
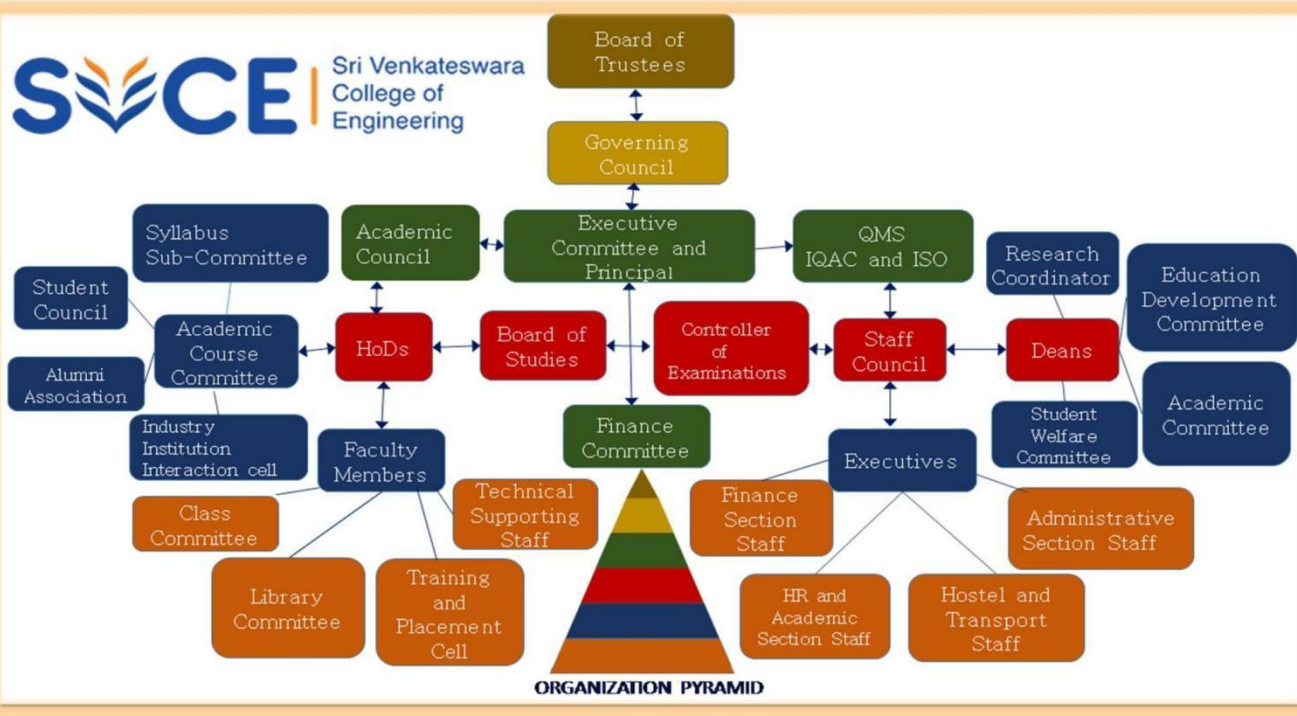


		<b>Mandatory Disclosure</b>	
<b>10.1</b>	AICTE File No.	F.No. Southern/1-36531100771/2023/EOA	
	Date & Period of last approval	15th July 2023 and 2023-24	
<b>10.2</b>	Name of the Institution	Sri Venkateswara College of Engineering (Autonomous)	
	Address of the Institution	Post Bag No:1 Pennalur, Sriperumbudur Taluk	
		Kancheepuram District	
		Tamil Nadu	
	City & Pin Code	Sriperumbudur Taluk-602 117	
	State / UT	Tamil Nadu	
	Longitude & Latitude	79.97 & 12.98	
	Phone number with STD code	044-21752000 (20 LINES)	
	FAX number with STD code	91-44-27162462	
	Office hours at the Institution	08.30 A.M to 04.30 P.M	
	Academic hours at the Institution	7 Hrs & 50 Min / Period	
	Email	<a href="mailto:principal@svce.ac.in">principal@svce.ac.in</a> and <a href="mailto:acm@svce.ac.in">acm@svce.ac.in</a>	
	Website	<a href="http://www.svce.ac.in">www.svce.ac.in</a>	
	Nearest Railway Station (distance in Km)	Central-Chennai (37)	
	Nearest Airport (distance in Km)	Meenambakkam-Chennai (37)	
<b>10.3</b>	Type of Institution	Private-Self Financing	
	Category (1) of the Institution	Minority – Telugu	
	Category (2) of the Institution	Co-Educational Institution	
<b>10.4</b>	Name of the organization running the Institution	Sri Venkateswara Educational and Health Trust	
	Type of the organization	Trust	
	Address of the organization	1/3A, River View Road, Kotturpuram Chennai-600085	

	Registered with	Sub Registrar, Sowcarpet, Chennai-600 003.																																																															
	Registration date	02/08/1984																																																															
	Website of the organization	<a href="http://www.svce.ac.in">www.svce.ac.in</a>																																																															
<b>10.5</b>	Name of the affiliating University	Anna University, Chennai																																																															
	Address	Chennai-600025.																																																															
	Website	<a href="http://www.annauniv.edu">www.annauniv.edu</a>																																																															
	Latest affiliation period	2016 - 17																																																															
<b>10.6</b>	Name of Principal	Dr.S.Ganesh Vaidyanathan																																																															
	Exact Designation	Principal																																																															
	Phone number with STD code	044-21752000, 27163785																																																															
	FAX number with STD code	91-44-27162462																																																															
	Email	<a href="mailto:principal@svce.ac.in">principal@svce.ac.in</a>																																																															
	Highest Degree	Ph.D.																																																															
	Field Specialization	Mechatronics and Image Processing																																																															
<b>10.7</b>	Governing Board Members	<table border="1"> <tr> <td>Dr. A.C. Muthiah.</td><td>Chairman</td><td>Chairman Emeritus, SPIC Ltd</td></tr> <tr> <td>Shri. Ashwin C. Muthiah</td><td>Member</td><td>Chairman, SPIC Ltd.</td></tr> <tr> <td>Shri. Jawahar Vadivelu</td><td>Member</td><td>Chairman, Cameo Corporate Services Ltd.</td></tr> <tr> <td>Shri. Y. P. Prasad</td><td>Member</td><td>Chairman, Sri Venkateswara Educational &amp; Health Tr</td></tr> <tr> <td>Shri. S. Rammohan</td><td>Member</td><td>Trustee, Sri Venkateswara Educational &amp; Health Tru</td></tr> <tr> <td>Prof. M. Sivanandham</td><td>Member</td><td>Secretary, SVEHT</td></tr> <tr> <td>Shri. A. Muthukumar</td><td>Member</td><td>Treasurer, SVEHT</td></tr> <tr> <td>Prof. N. Kumaravel</td><td>Member</td><td>Professor of Eminence, Dept. of ECE, Anna University</td></tr> <tr> <td>Prof. M. S. Ananth</td><td>Member</td><td>Former Director, Indian Institute of Technology, Mad</td></tr> <tr> <td>Dr. Subramani Ramakrishnan</td><td>Member</td><td>R &amp; CM, Supply Program Lead, Location Leader Chen</td></tr> <tr> <td>Shri. N. Reguraj</td><td>Member</td><td>Managing Director, NTT, Bengaluru</td></tr> <tr> <td>Prof. V. Kamakoti</td><td>Member</td><td>Director, Indian Institute of Technology, Madras</td></tr> <tr> <td>Dr. KR. Santha</td><td>Member</td><td>Professor and Head, Dept. of EEE, SVCE</td></tr> <tr> <td>Prof. T. Murugavel</td><td>Member</td><td>Professor &amp; Head, HSS Dept., SVCE</td></tr> <tr> <td>Dr. K. Pitchandi</td><td>Member</td><td>COE and Professor, Dept. of Mechanical Engineering</td></tr> <tr> <td>Prof. S. Usa</td><td>Anna University Nominee</td><td>Department of EEE, CEG Campus, Anna University</td></tr> <tr> <td>Dr. M. Arularasu</td><td>State Govt. Nominee,</td><td>Additional Director of Technical Education, DOTE, Ch</td></tr> <tr> <td>Prof. Jagat Bhushan Nadda</td><td>UGC Nominee</td><td>Director, Consortium for Educational Communication</td></tr> <tr> <td>Regional Officer</td><td>Member</td><td>Southern Region, AICTE, Chennai</td></tr> <tr> <td>Commissioner of Technical Education</td><td>Member</td><td>DOTE, Chennai</td></tr> <tr> <td>Prof. S. Ganesh Vaidyanathan</td><td>Member Secretary</td><td>Principal, SVCE</td></tr> </table>	Dr. A.C. Muthiah.	Chairman	Chairman Emeritus, SPIC Ltd	Shri. Ashwin C. Muthiah	Member	Chairman, SPIC Ltd.	Shri. Jawahar Vadivelu	Member	Chairman, Cameo Corporate Services Ltd.	Shri. Y. P. Prasad	Member	Chairman, Sri Venkateswara Educational & Health Tr	Shri. S. Rammohan	Member	Trustee, Sri Venkateswara Educational & Health Tru	Prof. M. Sivanandham	Member	Secretary, SVEHT	Shri. A. Muthukumar	Member	Treasurer, SVEHT	Prof. N. Kumaravel	Member	Professor of Eminence, Dept. of ECE, Anna University	Prof. M. S. Ananth	Member	Former Director, Indian Institute of Technology, Mad	Dr. Subramani Ramakrishnan	Member	R & CM, Supply Program Lead, Location Leader Chen	Shri. N. Reguraj	Member	Managing Director, NTT, Bengaluru	Prof. V. Kamakoti	Member	Director, Indian Institute of Technology, Madras	Dr. KR. Santha	Member	Professor and Head, Dept. of EEE, SVCE	Prof. T. Murugavel	Member	Professor & Head, HSS Dept., SVCE	Dr. K. Pitchandi	Member	COE and Professor, Dept. of Mechanical Engineering	Prof. S. Usa	Anna University Nominee	Department of EEE, CEG Campus, Anna University	Dr. M. Arularasu	State Govt. Nominee,	Additional Director of Technical Education, DOTE, Ch	Prof. Jagat Bhushan Nadda	UGC Nominee	Director, Consortium for Educational Communication	Regional Officer	Member	Southern Region, AICTE, Chennai	Commissioner of Technical Education	Member	DOTE, Chennai	Prof. S. Ganesh Vaidyanathan	Member Secretary	Principal, SVCE
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Prof. S. Ganesh Vaidyanathan	Member Secretary	Principal, SVCE																																																															
<b>10.8</b>	Academic Advisory Body	All Department HoDs and Deans																																																															
	Frequency of meeting & date of last meeting	Two times in a month 27.07.2023																																																															
<b>10.9</b>	Organizational Chart																																																																



10.10	Student feedback mechanism on Institutional Governance / faculty performance	<p>For academic courses, feedback is sought from the students in the middle of the semester. For other activities such as the Library, Canteen, Transport and Maintenance, Hostel, etc, students are members of the various committees for providing their feedback.</p> <p>An overall exit feedback is also taken from the students when they pass out of the college. Alumni are interacting and giving feedback regularly twice a year.</p>
10.11	Grievance redressal mechanism for faculty, staff and students	<p>Online Grievance redressal mechanism is available for faculty, staff and students. Different committee are constituted to deal with matters of concern for students, including areas such as anti ragging, women's welfare and Hostel welfare and Canteen Committee. The institution also has a Students Association to formally participate in meetings and provide feedback to the relevant authorities in the college. Regular meetings with parents are arranged twice in a year so that the voice of the students can be heard through the parents also and their problems solved.</p>

Department Details (UG and PG)

10.12

ANNEXURE - II			
	Name of the Department	Artificial Intelligence and Data Science	
	Course	Bachelor of Technology	
	Level	Under Graduate	
	1 <sup>st</sup> year of approval by the Council	2020	
		2022-23	2021-22
	Year wise sanctioned intake	120	60
	Year wise actual admission	113	55
	Cut off marks – General quota	191.5	192
	% Students passed with First Class with distinction	-	-
	% Students passed with First Class	-	-
	Students placed	-	-
	Average Pay package, Rs/year	-	-
	Students opted for Higher studies	-	-

Accreditation Status of the course	-----																											
Doctoral Courses	P.hD (Recognized as a Research Centre by Anna University,Chennai)																											
Foreign collaborations, if any	-----																											
Professional Society Memberships	ISTE, ACM, CSI, IEEE, IAENG																											
Professional Activities (AY 2022-23)	<table><tr><th>S.No</th><th>Name of the Supervisor</th><th>Supervisor ID</th><th>Faculty Department</th></tr><tr><td>1</td><td>Dr.R.Anitha</td><td>2640022</td><td>Faculty of Information and Communication Engineering</td></tr><tr><td>2</td><td>Dr.J.M.Gnanasekar</td><td>2740133</td><td>Faculty of Information and Communication Engineering</td></tr><tr><td>3</td><td>Dr.Rajganesh Nagarajan</td><td>3340056</td><td>Faculty of Information and Communication Engineering</td></tr><tr><td>4</td><td>Dr. P. Vinothiya lakshmi</td><td>4040028</td><td>Faculty of Information and Communication Engineering</td></tr><tr><td>5</td><td>Dr. M.S Girija</td><td>4140206</td><td>Faculty of Information and Communication Engineering</td></tr></table>				S.No	Name of the Supervisor	Supervisor ID	Faculty Department	1	Dr.R.Anitha	2640022	Faculty of Information and Communication Engineering	2	Dr.J.M.Gnanasekar	2740133	Faculty of Information and Communication Engineering	3	Dr.Rajganesh Nagarajan	3340056	Faculty of Information and Communication Engineering	4	Dr. P. Vinothiya lakshmi	4040028	Faculty of Information and Communication Engineering	5	Dr. M.S Girija	4140206	Faculty of Information and Communication Engineering
S.No	Name of the Supervisor	Supervisor ID	Faculty Department																									
1	Dr.R.Anitha	2640022	Faculty of Information and Communication Engineering																									
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4	Dr. P. Vinothiya lakshmi	4040028	Faculty of Information and Communication Engineering																									
5	Dr. M.S Girija	4140206	Faculty of Information and Communication Engineering																									

**FDP/SEMINAR/WORKSHOPS/EVENTS ORGANIZED:**

1. Ms. S. U. Muthunagai, Assoc. Prof. /CS, Dr. M. S. Girija, Ms. S. Poorani, Ms. R. Iyswarya, Ms. Rupa Kesavan, AP/CS, organized a five days STTP on Future Technologies: Insights and Challenges from 20th February to 24th February 2023.
2. Dr. R. Anitha, Professor Head / CSE and Dr. T. Padmavathy, ASP/CSE, organized a Two Days workshop on “Readiness for the Emerging Technologies” from 12/01/2023 to 13/01/2023, conducted for the Supporting staff of Computer Science and Engineering. Venue : CSE Department Library.
3. Dr. R. Anitha, Prof. Head and Ms. S. Poorani, has successfully coordinated and completed the course - PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP Course - Naalaiya Tiran Project 2022.
4. Dr. P. Vinothiyalakshmi, ASP/CSE, Dr. P. Geetha, AP/CSE, Ms. R. K. Kapilavani, AP/CSE, has organized 3-Day workshop on Machine Learning by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 14/11/22 to 16/11/22.
5. Ms. Ajoy Sweetlin Jeena A, AP/CSE, Ms. Shobanjaly P. Nair, AP/CSE, Ms. Uma. P, AP/CSE, Dr. S. D. Nandakumar, AP/CSE has organized 2-Day workshop on Innovative mindset on Robotics and CyberSecurity given by Mr. Harish Rammohan, Quality Assurance Engineer, Mando American Corporation, Detroit, Michigan, Dr. Ezhilvanan B, Founder and CEO, VEI Technologies Pvt. Ltd., Chennai by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 15/11/22 to 16/11/22.
6. Dr. P. Vinothiyalakshmi, ASP/CS, Mr. P. Selvamani AP/CSE arranged a Guest lecture on “8 Steps To Crack Top Paid Software Jobs in 2023-2025” given by Mr. Babu Narayanan Manickam, the CEO of Qeagle Assurance and TestLeaf Software Solutions, Chennai, during C2C club inauguration by the Department of Computer science and engineering at Sri Venkateswara college of engineering on 16/11/2022.
6. Ms. G. Janakasudha, AP/CSE, Mr. K. Srinivasan, AP/CSE and Ms. R. Iyswarya, AP/CSE, arranged a Guest lecture on “Cyber Forensics” given by Mr. Jothi Gouthaman, Director - Cloud Reliability Engineering, Accenture during ACE club inauguration by the Department of Computer Science and Engineering at Sri Venkateswara College of Engineering on 18/11/2022.
7. Ms. R. Poorni, AP/CSE, Ms. Ajoy Sweetlin Jeena, AP/CSE, has organized 2 Days Technical workshop on “Classifier Models in Data Mining”, from 28/10/2022 to 29/10/2020.
8. Mr. Lakshmanan M, AP/CSE, Mr. Gnanavel R, AP/CSE, Mr. Vibith A S, AP/CSE organized One day online Guest Lecture on “Security Concerns in Internet of Things in Cloud (IoTC)”, from 20/10/2022.

9. Mr. K. Srinivasan, AP/CSE, Ms. G. Janaksudha, AP/CSE, Ms. A. Ajoe Sweetlin Jeena, AP/CSE, on behalf of the Association of Computer Engineers, Department of Computer Science, SVCE, conducted a Workshop on Data Science held on 28th September, 2022 by Mr. N. Santhosh, Senior Mentor for Data Science at GUVI GEEK NETWORK Pvt.Ltd., IITM Research Park, Chennai.

Ms. G. Janakasudha, AP/CSE, on behalf of the Music Club, SVCE, conducted the Inauguration Ceremony of music club for the Academic year 2022-23 held on 26<sup>th</sup> September, 2022 at the Library Seminar Hall.

### Foreign Delegates Visit

1. Dr. R. Anitha, Prof HoD/CSE, Ms. S. Rajalakshmi, AP/CSE, Ms. J. Buvana, AP/CSE arranged a Guest Lecture on &quot;Augmented Reality and Virtual Reality. The lecture was handled by Shyamsundar Krishnamurthi SMC, Chief Customer Officer vy. ventures| Visionary| Client Engagement Santa Clara, California, United States (Alumni of SVCE: 1985-1989, ECE).  
<https://www.linkedin.com/in/shyamsundar-krishnamurthismc-39bb005>. Venue: CSE Department Library, SVCE

### Patent Filed and Published

1. Dr. R. Anitha, Prof./ CSE, Ms. Rupakesavan, AP/ CSE, Ms. S. Poorani, AP/ CSE, Ms. VP. Nivedita, IV/ CS, Mr. B. Sudarshan, IV/ CS, Ms.Neha Bhende, III/ CS, and Ms. G. Subasri, III/ AD have published a patent titled &quot; IOT BASED SMART SYSTEMS USING ML AND AI VULNERABILITIES AND INTELLIGENT SOLUTION in IPR, Chennai and it is published in the Patent Office. Journal. Application No. : 202241070181A ,Published on 09 / 12 / 2022.
2. Ms. S. Rajalakshmi, Associate Professor/ CSE, Ms. J. Buvana, AP/ CSE, Ms.R. Gayathri, AP/ CSE, Dr. N. Revathi, Associate Professor/ CSE, filled an Indian patent titled “ A Modern Digital Framework for Cities Based on BlockChain and Fog Computing Technologies on 16 / 12 / 2022 .
3. Ms. Rupa Kesavan AP/ CSE, published an Indian patent titled “ Solar Forecasting Methods For Renewable Energy Integration Performance Towards Industry Standards”, in IPR Chennai and the

same was published in the Patent Office Journal. Application No. 202241067474 A INDIA, Date of filing of Application : 24 / 11 / 2022 . Publication Date: 02 / 12 / 2022 .

4. Mr. P. R. Venkat, II Year ADS, Department of Computer Science and Engineering, Mr. S. Subburaj , Dr. D. Vinodha, AP/CSE , Dr. E. A. Mary Anita , Ms. T. Padmavathy, AP/CSE, Dr. A. K. Sujatha , Dr. J. Jeneefa, Dr. R. Barona, Ms. S. Sajini, published a patent titled “A Low cost and High Actuation Speed 3D Printed Prosthetic Arm”, on 2.9.2022.

5. Ms. V. RAJALAKSHMI, Assoc. Prof. /CS, Ms. G. R. KHANAGHAVALLE, Asst Prof/CS, Dr.R.JAYABHADURI, Prof. /CSE, Mr. B. DIVYAMSH, III/AD, Mr. R. IYYAPPAN, III/AD, and Mr. S. NANDA KUMAR, III/AD published a patent titled “IOT Based WiFi Enabled Smart Gardening System” in IPR on 10/02/2023.

### Consultancy Completed

Dr. R. Anitha, Prof HoD/CSE and Ms.S.Senthamizh Selvi, AP/CSE successfully completed and submitted the Closure report for the funded Project sanctioned by AICTE under RPS scheme worth Rs. 9.73 Lakhs. Closure report accepted by AICTE. Presentation was given to AICTE on 12.10.2022

Sl. No.	Name of the Faculty / Student	Funding Agency	Research topic	Amount
1.	Dr N Rajganes	DST	An Intelligent Agent based Cloud Assisted Smart HealthcareSystem for Disease Diagnosis, Treatment and Emergency RescueServices for Elderly People having Chronic Diseases	26,15,938

2.	N Revathi G Sumathi	DSTSE RB (Power )	Energy-Efficient Runtime Thread Mapping and Thermal Management on Heterogeneous Chip Multiprocessors	25.38 L
3.	S.Poorani	UGCD AE	Prediction of tensile strength of Cold metal transfer Robotic welded P91 steel joints by adaptive neuro- fuzzy inference system (ANFIS) and neural networks.	5
4.	Dr. R. Anitha, Madhu C, Roshini K T, Kishore Kumar K	SVCE	Early Detection and Classification of Pneumonia using Deep Convolutional Neural Network Model from Chest Xray Images during COVID-19	10000

### **Intramural Funds Received**

1. Final year UG project Work "Image Processing-Based Machine Vision System For Datum Setting In Computer Numerical Control (CNC) Machine" mentored by **Dr.R.Jayabhaduri, Professor/CSE** for the team comprising **Ms. Sadana U, Mr. B. Sathyavarthan and Ms. Shivane Ramesh, IV/CS**, has been selected for Intramural Funding for an amount of Rs.10,000/- for the Academic Year 2022-2023.
2. **Ms. Sai Madhuree Gopavaram, IV/CS**, UG project titled "Credit Card Fraud Detection System in Banking using ML and DL Algorithms" was selected for Intramural grant with cash Rs.10,000/- for the Academic Year 2022-2023 under guidance of **Dr. P. Vinothiyalakshmi, Assoc. Prof. /CSE**.

### **Book Chapters Published**

1. **R. Anitha, Ms. S. U. Muthunagai, Dr. M. S. Girija, R. Iyswarya, S. Poorani**, published a book chapter titled "Crowd Density Estimation Using Neural Network for COVID-19 and Future Pandemics", in Kanagachidambaresan, G.R., Bhatia, D., Kumar, D., Mishra, A. (eds) System Design for Epidemics Using Machine

	<p>Learning and Deep Learning. Signals and Communication Technology. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-19752-9_15">https://doi.org/10.1007/978-3-031-19752-9_15</a>.</p> <ol style="list-style-type: none"> <li>2. <b>R. Anitha, Ms. Rupa Kesavan, S. Poorani, R. Iyswarya, Ms. S. U. Muthunagai</b>, published book chapter titled "Convergence Perceptual Model for Computing Time Series Data on Fog Environment", in Kannan, R.J, Thampi, S.M., Wang, SH. (eds) Computer Vision and Machine Intelligence Paradigms for SDGs. Lecture Notes in Electrical Engineering, vol 967. Springer, Singapore. DOI:<a href="https://doi.org/10.1007/978-981-19-7169-3_2">https://doi.org/10.1007/978-981-19-7169-3_2</a>.</li> <li>3. <b>T.Padmavathy</b>, Dr.C.Muralidharan and Dr.Y.Mohmed Sirajudden published a Book Chapter " Cloud Based Industrial IoT to Facilitate Efficient Data Analytics" in the book " Cloud Analytics for Industry 4.0" , De Gruyter, Oct.2022, Vol.6, pp.31-51. DOI - <a href="https://doi.org/10.1515/9783110771572-003">https://doi.org/10.1515/9783110771572-003</a> ,ISBN - 9783110771572.</li> </ol> <p><b>No. of Papers published in Journal</b></p> <ol style="list-style-type: none"> <li>1. <b>Dr. R. Anitha, Prof. &amp; Head/CSE, Ms. S. U. Muthunagai, Assoc. Prof. /CSE</b>, "CTS-IIoT: Computation of Time Series Data During Index Based De-duplication of Industrial IoT (IIoT) Data in Cloud Environment", Wireless Personal Communication, DOI: <a href="https://doi.org/10.1007/s11277-022-10105-5">https://doi.org/10.1007/s11277-022-10105-5</a>, November 2022.</li> <li>2. <b>Dr. R. Anitha, Ms. S. Senthamizh Selvi</b>, ( 2022 ), Bilingual Corpus- based Hybrid POS Tagger for Low Resource Tamil Language: A Statistical approach, Journal of Intelligent and Fuzzy Systems, August 2022 , Impact factor: 1 . 737 .</li> <li>3. <b>Dr. P. Janarthanan</b>, V Muruges, N Sivakumar and Manoharan, "An Efficient Face Detection and Recognition System Using RVJA and SCNN" in Mathematical Problems in Engineering. (SCI Indexed, Impact factor: 1.430) DoI : <a href="https://doi.org/10.1155/2022/7117090">https://doi.org/10.1155/2022/7117090</a>. 2022.</li> <li>4. Bhuvaneswari R, <b>Rajalakshmi S</b>, Gurumoorthy G, Balaji A, Bhavya S, Dharan S, "BEAN LEAF DISEASE CLASSIFICATION USING MOBILENET", International Journal of Current Engineering And Scientific Research (IJCESR), Volume-9, Issue11, ISSN (Online): 2394-0697, ISSN (Print): 2393-8374, DOI:10.21276/ijcesr, (Impact Factor - 2.72)</li> </ol>
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5. Kalaiaarasi Governor, Padmavathy Ramanujam, Suja Cherukullapurath Mana, **Geetha Perumal**, "Near duplicate detection of images with area and proposed pixel-based feature extraction", Concurrency and Computation Practice and Experience, Online ISSN:1532-0634, ISSN: 1532-0626, Wiley Publications, (Impact factor: 1.831)
6. **P Geetha**, "Near duplicate detection of images with area and proposed pixel-based feature extraction", Concurrency and Computation Practice and Experience, Online ISSN:1532-0634, ISSN: 1532-0626, Wiley Publications. (Impact factor: 1.831). 2022.
7. **Rupa Kesavan**, published a paper title "Brain tumor identification using data augmentation and transfer learning approach", Computer Systems Science and Engineering, vol. 46, no.2, pp. 1845–1861, 2023 <https://doi.org/10.32604/csse.2023.033927> in Web Of Science with an Impact Factor 4.397.
8. **Ms. P. Uma**, ( 2022 ), “ Automated Helpdesk Using Supervised Learning”, Journal of Advances in Computational Intelligence Theory, HBRP Publication, Volume 4 , Issue 3 , December 22 .
9. **Ms. P. Uma** , ( 2022 ), " Embedded AI application in Defense UAV”, Journal of Advances in Computational Intelligence Theory, HBRP Publication, Volume 4 , Issue 3 , December 22 .

### No. of Papers Presented in Conferences

1. **Anitha, and Ms. S. Poorani** presented paper titled " A Cognitive Distortion based BB 84 protocol for Data Transmission in Intelligent System", in the 6 th International Conference on Electronics, Communication and Aerospace Technology [ ICECA] on 1 - 3 December 2022 in RVS Technical Campus, Coimbatore. Paper is published in IEEE Xplore - Scopus indexed journal.
2. **Rupa Kesavan**, presented a paper at IEEE Madras Section Technical sponsored ICCPC'22 Conference on Paper Titled “ Implementation of PV based Solar Water Cooler With Enhanced Chiller Performance Using Peltier Module”, Jan 2023 .
3. **Geetha, R. K. Kapilavani, Vinodha**, presented a paper titled " Biometric masking to re- establish the database through watermarking with Distortion Control", in 5 th International Conference on Communication and Computational Technologies ( ICCCT 2023 )" held on January 28 - 29 , 2023.
4. **R. Gnanavel and J. M. Gnanasekar**, presented a paper titled “ A Conceptual Overview on Earlier Methodologies Focused on Stock Price Prediction”, in 5 th International Conference on Smart Systems and Inventive Technology ( ICSSIT 2023 ) held in Francis

	<p>Xavier Engineering College, Tirunelveli, India on 23 rd to 25 th, January 2023 .</p> <ol style="list-style-type: none"> <li>5. <b>M. Lakshmanan</b> and G. S. Anandha Mala, presented a paper titled “ Augmented Random Search based Autonomous Driving System”, in 5 th International Conference on Smart Systems and Inventive Technology ( ICSSIT 2023 ) held in Francis Xavier Engineering College, Tirunelveli, India on 23 rd to 25 th, January 2023 .</li> <li>6. Oviya G, Kishore M, Pradeep S, <b>Poorani S, Anitha R</b> presented a paper titled “ Advanced Semiconductor Classifiers using Machine Learning Techniques" on AICTE sponsored International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering ( ICECONF - 2023 ) organized by St. Joseph' s Institute of Technology Chennai, held on 05 - 07 January 2023 .</li> <li>7. <b>R. Anitha, S. Senthamizh Selvi</b>, ( 2022 ), Computer Assisted Learning System for the Tamil Grammar Punarial, 21 st Tamil Internet Conference, Tamil University, Thanjavur on 15 th to 17 th Dec 2022 .</li> <li>8. <b>S. Poorani, R. Anitha</b> , ( 2022 ), “ A Cognitive Distortion( CD) based protocol for secured data transmission in intelligent system”, in 6 th International Conference on Electronics, Communication and Aerospace Technology ( ICECA 2022 ) organized by RVS Technical Campus, Coimbatore, Tamilnadu held on 1 - 3 December 2022 .</li> <li>9. Mr. K. Praveen Kumar ( IV/ CS), Sankar Lal T E ( IV/ CS), Shashwanth S ( IV/ CS), <b>S. Poorani, R. Anitha</b>, ( 2022 ), " GPS and QR based Vehicle Tracking System", in Two days International Conference on “ Digital Archiving and Presentation on Cultural Heritage of India” organized by AMET University, Chennai held on 8 - 9 December 2022 .</li> <li>10. Mr. Pradeep S ( IV/ EC), Kishore M ( IV/ EC), Oviya G( IV/ EC), <b>S. Poorani, R. Anitha</b>, ( 2022 ), " XGBoost based Prediction and Evaluation model for Enchanting Subscribers in Industrial sector", in the 4 th International Conference on Computing Communication and Cyber Security ( IC 4 S 2022 ) organized by IEI Delhi India held on 16 - 17 December 2022 .</li> <li>11. <b>M. Lakshmanan</b>, has presented a paper titled " Emotional Analysis Through Deep Learning Models", in 3 rd international conference on smart technologies in computing electrical and electronics, held at REVA University during 16 . 12 . 2022 to 17 . 12 . 2022 .</li> <li>12. <b>S. Poorani, R. Anitha</b>, “Fruit Classification in Convolution Neural Networks” International Conference on Automation, Signal Processing, Instrumentation and Control (iCASIC 2022) Organized by School of Computer Science and Engineering Taylor's University, Malaysia &amp; School of Electrical Engineering Vellore</li> </ol>
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Institute of Technology Vellore, India”, iCASIC 2022 on 29th November 2022.

13. Akshaya M, Aiswarrya B, **Muthunagai S U, Anitha R**, “Secured Data Retrieval from large database Using Transfer Learning”, NCITECC’22, October 2022.

### **No. of faculty members attended Seminars / FDPs / STTP**

#### **1) Dr.R.Jayabhaduri, Prof./CSE, attended**

- a) Online Workshop on Intellectual Property Rights (IPR) & Patents and Design filing" conducted by Institution Innovation Council (IIC-SVCE- KAPILA SCHEME) of Sri Venkateswara College of Engineering in association with Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Government of India, Nagpur on 30th January 2023.
- b) AICTE Sponsored Workshop on " Gender Audits in Higher Education Institutions: The Why and How?" under the Distinguished Chair Professor Scheme organized by Sri Venkateswara College of Engineering on 27th and 28th January 2023.
- c) 3 days Faculty Development Programme on “Stress Management” organized by ICT Academy at K.C.S. Kasi Nadar College of Arts and Science during December 12-14, 2022.
- d) 5 days Faculty Development Programme on “Optimization Techniques and its Emerging Applications” organized by the department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore during December 19-23, 2022.
- e) Five days Professional Development Programme on “IPR for Teachers” organized by National Institute of Technical Teachers' Training and Research, Chennai during 14/11/2022 to 18/11/2022
- f) Two days Seminar on “Innovative Practices for Quality Enhancement through IQAC in Higher Education Institutions” in collaboration with National Assessment and Accreditation Council at RMK Engineering College, Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District – 601206 during October 28,2022 and October 29,2022.

#### **2) Ms. V. Rajalakshmi, ASP/CSE, attended**

- a) Professional Development Programme on “Guidance and Counselling” conducted by National Institute of Technical Teachers

	<p>Training and Research (Online) between 14/11/2022 and 18/11/2022.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>c) Workshop on “Walk through from AI and ML” at Sri Venkateswara College of Engineering from 26.10.2022 to 29.10.2022.</p> <p><b>3) Ms. R. Gayathri, AP/CSE, attended</b></p> <p>a) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>b) Four-day workshop on "Walk through from AI and ML to XAI" organized by the Department of Information Technology, SVCE from 26th Oct 2022 to 29th Oct 2022.</p> <p><b>4) Ms.Ajoe Sweetlin Jeena, AP/CSE, attended</b></p> <p>a) attended a FDP on “Hands-on Training on Data Science Tools”, Chennai during the period 23-01-2023 to 28-01-2023.</p> <p><b>5) Mr. M. Lakshmanan, AP/CSE, attended</b></p> <p>a) Workshop on “Train the Trainer - Container Class, Coding Best Practices, HTML/CSS, Windows Services, Python with Data Science, ” organized by WorldLine India Pvt Ltd, Chennai during the period 10th February to 24th February 2023.</p> <p>b) One day Industrial visit to Indian space Research Organization (ISRO), Bangalore organized by the Department of Computer Science &amp; Engineering on 06/09/2022.</p> <p>c) FDP organized by Intellectual Property Office, India on “National Intellectual Property Awareness Mission” on 11/10/2022.</p> <p>d) Two days Workshop on “Classifier models in data mining” on 28/10/2022 – 29/10/2022.</p> <p>e) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>f) FDP organized by Intellectual Property Office, India on “National Intellectual Property Awareness Mission” on 11/10/2022.</p> <p>g) Two days Workshop on “Classifier models in data mining” on 28/10/2022 – 29/10/2022.</p>
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#### **Expert Lectures delivered in other college - 3 ( Count-5 , Faculty - 3)**

1. **Dr. R. Jayabhaduri, Prof./CSE** has delivered a Guest Lecture on "Real-World Implementation of AI and Exploring its effect in our Day to-Day Life" for The Two-Day Workshop On Application Of Artificial Intelligence In Everyday Life organized by the Department of Computer Science (AI & ML), Rajiv Gandhi National Institute of Youth Development (RGNIYD), Sriperumbudur on December 12, 2022.
2. **Dr. R. Jayabhaduri, Professor / CSE**, delivered a talk on "A Journey into the Applications of Transformers" on 27/01/2023 for the National Level FDP (Online) On "Machine Learning & Deep Learning" organized by the department of CSE and AI&DS, CARE College of Engineering, Trichy from 23/01/2023 to 28/01/2023.
3. **Ms. V. Rajalakshmi, ASP / CSE**, delivered a lecture on "Time series forecasting using machine learning models" in National Level FDP on Machine Learning and Deep Learning (Online) organized by CARE College of Engineering, Tiruchirapalli on 27-01-2023.

#### **Expert Lectures delivered in SVCE**

1. **Dr. R. Anitha, Prof, & HoD / CSE**, acted as a resource person for the Two Days workshop on "Readiness for the Emerging Technologies" from 12/01/2023 to 13/01/2023, and delivered a session on "Cloud Computing : An Eye Opener".
2. **Dr. R. Jayabhaduri, Professor / CSE**, delivered a talk "Real World implementation of AI and exploring its effect in Day-to-Day Life" on 12/01/2023 for the two day workshop on "Readiness for the Emerging Technologies" organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 12/01/2023 to 13/01/2023.
3. **Dr. P. Vinothiyalakshmi, ASP/CSE**, acted as a Resource Person in the Workshop EMTECH 2.0- C2C club on 16/11/2022 in the topic of "Building projects in Machine Learning", Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Chennai.

4. **Dr. T. Padmavathy, Associate Professor / CSE**, acted as a resource person for the Two Days workshop on “Readiness for the Emerging Technologies” from 12/01/2023 to 13/01/2023, and delivered a session on "AI, IoT and SDN : An Eye Opener”.
5. **Ms. S. Poorani, AP/CSE**, acted as a Resource person on the topic "Introduction to Cyber Security" in Two day workshop on "Readiness for the Emerging Technologies" organized by Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 12-01-2023 to 13-01-2023.
6. **Dr. P. Geetha, AP/CSE**, acted as a Resource Person in the Workshop EMIC-C2C club on 15/11/2022 in the topic of "Machine Learning R", Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Chennai.
7. **Ms. R. K. Kapilavani, AP/CSE**, acted as a Resource Person in the Workshop EMIC-C2C club on 14/11/2022 in the topic of "Machine Learning using Python", Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Chennai.

#### **Industry Training attended by faculty members**

- a) **Dr. Rajganesh N, ASP/CSE**, attended "Train The Trainer - Container Concepts" during 09.20.2023 to 20.02.2023.
- b) **Mr. Senthil Kumar R, AP/CSE**, Workshop on "Train The Trainer - Linux Commands, Windows Services, SQL Queries", Organized by Worldline India Pvt. Ltd during 7th February to 28th February.
- c) **Mr. M. Lakshmanan, AP/CSE**, attended Workshop on “Train the Trainer - Container Class, Coding Best Practices, HTML/CSS, Windows Services, Python with Data Science, ” organized by WorldLine India Pvt Ltd, Chennai during the period 10th February to 24th February 2023.

#### **Major achievements by faculty members**

1. **Dr. R. Anitha, Prof & HoD/CSE, Ms.S.Senthamizh Selvi, AP/CSE** has completed the RPS Project titled "Developing a Language Translation Engine for Book Conversion from Foreign to Native Language in the Field of Science & Technology based on Cloud Virtual Dictionary Using Deep Neural Network".
2. **Dr. R. Anitha, Prof & HoD/CSE**, acted as Special Invitee for the

	<p>Board of Studies Meeting, conducted on 28.12.2022 at Panimalar Engineering College.</p> <ol style="list-style-type: none"> <li>3. <b>Dr. R. Anitha, Prof &amp; HoD/CSE</b> acted as reviewer in Asian Journal of Advances and Research.</li> <li>4. <b>Dr. R. Anitha, Prof &amp; HoD/CSE</b> – Member, Board of Studies Meeting of the Department of Computer Science and Engineering (B.E- CSE &amp; B.Tech-AIDS), S.A.Engineering College as a University Nominee conducted on 12.10.2022 .</li> <li>5. <b>Dr. R. Anitha, Prof &amp; HoD/CSE</b> – Member, Board of Studies Meeting of the Department of Computer Science and Engineering (B.E-CSE &amp; B.Tech-AIDS), Panimalar Engineering College as a Subject Expert on 10.10.2022.</li> <li>6. <b>Dr. R. Jayabhaduri, Prof/CSE</b>, acted as a reviewer for the journal CMC- Computers, Materials &amp; Continua.</li> <li>7. <b>Dr. R. Jayabhaduri, Prof/CSE</b>, acted as a reviewer for the 6 th International Conference on Computational Intelligence in Data Science ( ICCIDS 2023 ) organized by the department of Computer Science and Engineering, Sri Sivasubramaniya Nadar College of Engineering ( SSNCE), Chennai during February 23 - 25 , 2023 .</li> <li>8. <b>Dr. N. Rajganesh, ASP/CSE</b> acted as reviewer in Journal of Multimedia Tools and Applications, Springer.</li> <li>9. <b>Dr. N. Rajganesh, ASP/CSE</b> acted as reviewer in Journal of King Saud University - Computer and Information Sciences, Elsevier.</li> <li>10. <b>Dr . N. Rajganesh, ASP/CSE</b> acted as reviewer in Journal of Ambient Intelligence and Humanized Computing, Springer.</li> <li>11. <b>Dr . N. Rajganesh, ASP/CSE</b> acted as reviewer in Journal of Multimedia Applications, Springer.</li> <li>12. <b>Dr. N. Rajganesh, ASP/CSE</b>, acted as a reviewer in Journal of King Saud University - Computer and Information Sciences and Journal of Ambient Intelligence and Humanized Computing.</li> <li>13. <b>Dr. P. Vinothiyalakshmi, ASP/CSE</b>, acted as reviewer in the Hindawi portfolio of journals.</li> <li>14. <b>Dr. T. Padmavathy , ASP/CSE</b>, acted as reviewer in Journal on Today' s Ideas - Tomorrow' s Technologies ( JOTITT)</li> <li>15. <b>Dr. T. Padmavathy, ASP/CSE</b>, acted as a reviewer for Journal of Intelligent and Fuzzy Systems, a SCIE journal.</li> <li>16. <b>Dr. T. Padmavathy, ASP/CSE</b>, acted as reviewer for ANTIC'2022, an International Conference on Advanced Network Technologies and Intelligent Computing.</li> <li>17. <b>Ms. S. Senthamizh Selvi, AP/CSE</b> completed her pre-synopsis seminar presentation on 1.11.22.</li> <li>18. <b>Ms. Poorani S, AP/CSE</b> has presented her Pre-Confirmation Seminar presentation titled "Data Security in Cloud Using Quantum Cryptography" on 12.12.2022, under the Guidance of <b>Dr. R. Anitha, Prof. &amp; Head/CSE</b>.</li> </ol>
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19. **Ms. Poorani S, AP/CSE** has completed her Confirmation Meeting on 13.12.2022, under the Guidance of **Dr. R. Anitha, Professor & Head/CSE**.
20. **Ms.M.ShanthaLakshmi, AP/CSE** acted as reviewer for OPJU International Technology Conference on Emerging Technologies for Sustainable Development, 8-10 Feb 2023.

### **Students Achievements**

1. **Mr. P. R. Venkat, II Year AD**, Department of Computer Science and Engineering, Mr. S. Subburaj , Dr. D. Vinodha, AP/CSE , Dr. E. A. Mary Anita , Ms. T. Padmavathy, AP/CSE, Dr. A. K. Sujatha , Dr. J. Jeneffa, Dr. R. Barona, Ms. S. Sajini, published a patent titled “A Low cost and High Actuation Speed 3D Printed Prosthetic Arm”, on 2.9.2022.
2. Sahana S, II year/AD, Department of Computer Science and Engineering showed a stunning performance in Table Tennis team (Women) and clinched the Winners title in Anna University zonal tournament held at Sri Muthukumaran Institute of Technology on 05/11/2022.
3. Ms. R. N. SAKTHI, II/AD has participated in a National Level Symposium “BOOTUP’23” conducted by Department of CSE, Rajalakshmi College of Engineering on 13th February 2023.
4. **Mr. Vishnuvasan T S, III/AD , Mr. G. Rahul, III/ AD and Mr. M. John William, III/ CSE** have actively participated at the MLH empowered Central India’ s Largest Hackathon, Version Beta 5 . 0 organized by ISTE SC MANIT from 02 - 12 - 2022 to 04 - 12 - 2022 .
5. **Dr. R. Jayabhaduri, Prof/CSE along with Dr. R. Anitha, Professor and HOD/CSE** mentored the following Undergraduate students for the State Level Science Expo “AB INITIO” conducted for school children by the Science Club and Students' Council of Sri Venkateswara College of Engineering from January 23, 2023 to January 25, 2023.
  - a) Final year CS students Abdul Rehman I, Adityan V, Benita Majo C, Aishwarya S, Akshaya L K and Ashika V had done their projects in the domain “Internet of Things”. Prefinal year CS students Kolla Mohan Rao and Kishan M exhibited 2 projects titled “MicroD” and “SVCE BoT”.
  - b) Third year B.Tech AD students Divyamsh B, Iyyappan R, Nandha Kumar S and Pranav Vignesh, Gopinathan K, Kesavaram V, Malapati Prasanth, Nithin Iswar P and Prajith K and Niyas Hameed and Vignesh R S exhibited their project titled “Smart Attendance”, “Automated Labour” and “VibR” respectively.
6. Ms. S. Sahana, II/AD attended a STTP program on Future Technologies: Insights and Challenges, organized by Department of CSE, SVCE ,Chennai during the period 20th February to 24th February 2023.

	<p>7. Mr. A. H. Muraharai, II/AD attended a STTP program on Future Technologies :Insights and Challenges, organized by Department of CSE, SVCE ,Chennai during the period 20th February to 24th February 2023.</p> <p>8. Ms. R. N. Sakthi, II/AD has participated in the event Code Lock organized by Know-I club on 18th February 2023.</p> <p>9. 50 Students of I year CSE and AD attended a One-day workshop on "Disaster Awareness and Management Training" (Second Phase), conducted by Sri Sathya Sai Seva Organisation and SVCE on 18th February 2023.</p> <p>10. The following students of III/ AD have exhibited their projects in " AB INITIO" a State- level Science exhibit conducted by Sri Venkateswara College of Engineering.</p> <p style="padding-left: 40px;">Team 1 : <b>Mr. B. Divyamsh, Mr. R. Iyyappan, Mr. S. Nandha Kumar</b> and <b>Mr. A. Pranav Vignesh</b> exhibited a model titled " Smart Attendance".</p> <p style="padding-left: 40px;">Team 2 : <b>Mr. K. Prajith, Mr. K. Gopinathan, Mr. V. Kesavaram</b> and <b>Mr. P. Nithin Iswar</b> exhibited a model titled " Automated Labour".</p> <p style="padding-left: 40px;">Team 3 : <b>Mr. R. F. Niyas Hameed</b> and <b>Mr. R. S. Vignesh</b> exhibited a model titled " Vib R", A Web Application powered by Spotify API, to generate shareable cards on recently liked songs.</p> <p>Mr. G. Rahul, III/AD attended a workshop on Make your own DALL-E at Shaastra'23, during 26th January 2023 to 29thJanuary 2023.</p>
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## ANNEXURE - II

1	Name of the Department	<b>AUTOMOBILE ENGINEERING</b>		
	Course	B.E.		
	Level	U.G		
	1 <sup>st</sup> year of approval by the Council	1999		
		2022-23	2021-22	2020-21
	Year wise sanctioned intake	30	30	60
	Year wise actual admission	18	16	32
	Cut off marks – General quota	Max :172.5 Min : 97	167.2	165.67
	% Students passed with First Class with distinction	31	36.21	34.78
	% Students passed with First Class	18	60.34	65.22
	Students placed	24	26	34
	Average Pay package, Rs/year	3.335 LPA	4.37 LPA	3.1 LPA
	Students opted for Higher studies	16	15	25
	Accreditation Status of the course	Accredited by NBA till 30.06.2025		
	Doctoral Courses	Not Applicable		
	Foreign collaborations, if any	Nil		

Professional Society Memberships	<p><b>Society of Automotive Engineers (SAE)</b>  Dr.J.Venkatesan, Professor  Dr.V.Ganesh, Associate Professor  Dr.S.Premnath, Associate Professor  Mr. J.Dhanabal, Assistant Professor  Dr. G.Ravi, Assistant Professor  Mr.R.Sakthivel Assistant Professor  Mr.A.K.Boobalasesenthilraj, Assistant Professor</p> <p><b>Indian Society for Technical Education</b>  Dr.J.Venkatesan, Professor  Dr.S.Premnath, Associate Professor  Mr.A.Balasubramanian, Assistant Professor  Mr.J.Dhanabal, Assistant Professor  Mr.K.Paul Durai, Assistant Professor  A.K. Boobalasesenthilraj, Assistant Professor</p> <p><b>International Association of Engineers (IAENG)</b>  Mr.R.Sakthivel Assistant Professor</p> <p><b>The Combustion Institute - Indian Section</b>  Mr.A.K.Boobalasesenthilraj, Assistant Professor</p>
Professional Activities	<p><b>Guest Lectures</b></p> <p><b>Mr. Sudershan S GUSAIN</b>, Head - Tyre Safety, Indian Tyre Technical Advisory Committee (ITTAC) &amp; Automotive Tyre Manufacturers Association (ATMA) has delivered a lecture on "<b>Trends in Automobile Industry</b>" on 10th May 2022. Mr. Vinay Vijayvargia, Deputy Director, ITTAC presented prizes in "On the spot Q &amp; A" for the students who gave best answers.</p> <p><b>Dr. Kulasekharan Naransingamurthi</b>, Deputy Director - CAE, VINFAST, Vietnam delivered a lecture titled "<b>Attribute Management in BEVs</b>". on 26.06.2023, through online mode.</p> <p><b>Faculty Contributions</b></p> <p>Dr Ganesh V, Associate Professor delivered a lecture on “Engine cooling system” on October 15 2022 in a three day workshop on Engine Cooling System organized by Sri Venkateswara College of Engineering from October 13 2022 to October 15 2022.</p> <p>Dr Ganesh V, Associate Professor delivered a lecture on “Automotive Materials and Testing” in a one day workshop on Innovations in Material Testing for Industries organized by Sri Venkateswara College of Engineering on October 07 2022.</p> <p>Dr. Ganesh V, Associate Professor served as a Panelist in "The Second Edition of ICUBE - A National Level Intercollegiate Technical Event", organized by Students' Council in association with Science Club of Sri Venkateswara College of Engineering from November 17 2022 to November 18 2022</p> <p>Dr.S. Premnath, Associate Professor, Department of Automobile Engineering, Sri Venkateswara College of Engineering, has acted as one of the Editor's for the Book chapter Recent Development in Multidisciplinary Science and Technological fields - Volume I - Feb 2023 issue , ISBN: 978-81-</p>

962098-1-0 published by Scientific Research Reports .

### **Students Achievements**

The Team ACCUCARE comprising of Mr. Bennett Joseph D, Mr.S.P.Solaiyappan, Mr. Guruvignesh B, Mr. Sivashankaran K and Mr. Giridharan R, Final Year students, along with Faculty Mentor Mr. R. Sakthivel Assistant Professor were selected for the PALS Innawah! Event and participated Final Compile titan held on 4th March 2023 in IIT Madras Research Park , Tamil .

Mr. A. Abhishek third year student has secured 3rd place and won Rs.1000 cash prize in the CAD Master of Prayatna - A Mechanical Symposium conducted by PSG College of Technology , Coimbatore during 18th and 19th February , 2023.

Mr. Daniyal Ruban. A and Mr. Yadhu Krishnan. P, third year students have secured 2nd place in CM Trophy (Basketball Tournament) at SDAT- Stadium, Kanchipuram, conducted on 18th February ,2023.

Mr. Bennet Joseph, Mr. Giridharan R, Mr. Kishore Kumar M and Mr. Sriram Murugappan, final year students have participated as one of the finalist under the category Innovel in The Second Edition of ICUBE - A National Level Intercollegiate Technical Event, organized by Students' Council in association with Science Club of Sri Venkateswara College of Engineering from November 17 2022 to November 18 2022

Mr. S. Gowtham, final year student participated as a team member and the team secured III place in Anna University - Inter Zonal level table tennis competition at KLN College of Engineering, Sivagangai district, from November 23 2022 to November 24 2022.

### **Publications**

N Tamiloli , Zh. Kalitchin and J Venkatesan published a paper titled, "Optimization of Chip Thickness, Roundness, And Surface Roughness of Dry Turned Component Using Grey Relational Analysis" , in the Journal of the Balkan Tribological Association, Vol . 28, No. 5, pp. 613–625, December 2022.

Dr Ganesh V, Associate Professor, Mr. Ramanjaneyulu Koll a , Mr. R. Sakthivel and Mr. A.K. Boobalasantilr a j Assistant Professors, published a paper titled "Simulation and Experimental Design of Load Adaptive Braking System on Two Wheeler " in an International Journal , Computer Systems Science and Engineering, Vol . 45, No. 3, pp. 3115-3134, December 2022

### **Paper Presentation**

Dr.S.Premnath, Associate Professor presented a technical paper titled "Enhancing Vehicle Performance by Reducing Air Drag" at National Conference on "Innovations and Recent Trends in Automotive Technologies (NCIRAT ' 23) - 23rd March 2023 at MIT, Anna University.

### **MoU**

Department of Automobile Engineering and Department of Computer Science Engineering, SVCE has signed a MoU with M/S Sharda Motor

	Industries Ltd, on 14.03.2022 for a period of one year.
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Grants fetched (Academic year 22-23)	<b>2022-23:</b> Dr.S.Premnath, Associate Professor, Department of Automobile Engineering, SVCE had received a grant of Rs . Seven thousand five hundred (Rs .7500/-) from Tamil Nadu State Council For Science And Technology (TNSCST) for the project "Enhancing Driver Maneuverability By Replacing Side Mirrors With Cameras And Reducing Air Drag.			
Departmental Achievements (Academic year 22-23)	Our College team “TRAXION OFFROADING” comprising of 13 Automobile, 10 Mechanical and 3 Electrical and Electronics Engineering students participated in the E-BAJA SAEINDIA 2023 held at Chitkara University, Baddi, Himachal Pradesh from 05.04.2023 to 10.04.2023. Our college team secured 15th position out of 27 teams that cleared technical inspections and participated in the Final Endurance Race. Additionally, the team was awarded the 2nd runner-up position in the Technology Innovation Event for using “Portal Axle system”. Overall, the team achieved 60th position out of 75 teams in the main event.			
Distinguished Alumni				
	S. No.	Name	Year Passed Out	Current Position
	1	Vignesh Gopal Shanbhag	2010	Product Manager, Microsoft
	2	Sriram Varadarajan	2013	Diagnostic/Tele matics Engineer, Van Hool, Belgium
	3	Sreedhar Venkatesan	2014	Volvo Cars, Sweden

Name of the Department	BIOTECHNOLOGY		
Course	B.Tech.		
Level	Under Graduate		
1 <sup>st</sup> year of approval by the Council	Approved by AICTE, Affiliated to Anna university, Chennai		
	2022-23	2021-2022	2020-21
Year wise sanctioned intake	60	60	60
Year wise actual admission	52	41	45
Cut off marks – Generalquota	189.5	191.5	192
% Students passed with First Class with Distinction	25	30	69
% Students passed with First Class	12	26	18
Students placed	9	29	9
Average Pay package, Rs/year	3.43 lakhs	440000	350000
Students opted for Higher studies	23	22	24
Accreditation Status of the course	Accredited by NBA Date and Period of Last Approval :29.03.2018 and till 30.06.2021		
Doctoral Courses	Ph.D. in Biotechnology		
Foreign collaborations, if any	Not available		

Paper publications							
Name of Faculty (Author)	Name of Co-Authors	National /International	Title of the paper	Name of the Journal	Year, Volume	Issue and Pages	Impact factor
Dr.P.K.Praveen Kumar	Ashwini Verma Nayaker, Priyadharshini A, Dharani Abirama Sundari S, Sivanandham M, Amrutha K, Prasanna D Revanasiddappa	International	Molecular docking and simulation binding analysis of Boeravinone B with Caspase-3 and EGFR of Hepatocellular carcinoma	Letters in Drug Design and Discovery	2023, 20	2, 238-244	1.15
Dr G Karthigadevi	Madhavan Y, Sai KV, Shanmugam DK, Manimaran A	International	Current treatment options for COVID-19 Associated Mucormycosis Present status and Future perspectives	Journal of clinical medicine	2022, 11	13, 3620	4.8
Dr G Karthigadevi	Chozhavadhan S, Bharathiraja B, Praveen Kumar R, Abo LD, Venkatesa Prabhu S, Balachandrar R, Jayakumar	International	Current and prognostic overview on the strategic exploitation of anaerobic digestion and digestate: A review	Environmental Research	2022, 14	216, 114, 526	8.431

	M							
Hariharan J	Ashwin Anandhapa dman & Nalinkanth Veerabadra n Ghone	Internati onal	In Vitro and In Vivo Comparativ e Analysis of Differentially Expressed Genes and Signaling Pathways in Breast Cancer Cells on Interaction with Mesenchy mal Stem Cells	Applied Biochem istry and Biotechn ology	2022		3.094	
Prof. E. Nakkeeran	Viveka R	National	Developme nt and characteriz ation of a novel biodegrada ble laboratory-made pullulan blended films	Journal of Environ mental Biology	2022 , 43	6, 755-763	0.719	

Dr. P.K.Praveen Kumar	Ashwini Devi Balaraman, Dharani Abirama Sundari Shanmugam, Meenakumari S, Abhijit Kar, Abishek Franco, Arjun Chandra Balaji B, Praveenkumar P K, Gayathri R, Charles Sharchil, Shanthi B, Senthilkumar K, Dharshene K, Merugumolu Vijay Kumar, Mahendra Gowdru Srinivasa, Soniya Charles, Priya Singh	National	Two novel SNPs, rs1545 and rs1547, in the BBS6/MKKS gene of Bardet Beidl syndrome have been linked to metabolic syndrome: Review	Environmental Research	2023 , 3	1, 73-86		
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Ganesh Prasath Krishnan	Kannappan Arunachalam, Sathya Sethuraman, Sybiya Vasantha Packiavathy Issac Abraham, Swetha Thirukannamangai Krishnan, Aakanksha Venkateswar, Jagadeesan Arunkumar, Chunlei Shi, and Davoodbasha MubarakAli	National	Exploring Possible Ways to Enhance the Potential and Use of Natural Products through Nanotechnology in the Battle against Biofilms of Foodborne Bacterial Pathogens	Pathogens	2023	12(2), 270	3.81
Kanagam Nachiappan	Rajasekaran Chandrasekaran	National	Reformation of dairy effluent - a phycoremediation approach	Environmental Monitoring and Assessment	2023	195, 405	3.307

#### Events attended by faculty members

Name of Faculty	National /International	Name of the symposium/workshop	Organized BY	EVENT sponsored by /sponsorship amount.	Place	Date (From - To)
Dr. P.K.Praveen Kum	National	SERB sponsored workshop on "Hands-on Training on Computer Aided	Shree S.K. Patel College of Pharmaceutical Education and Research, Ganpat	SERB /Rs. 29,000/-	Ahmedabad	11/07/2022 to 17/07/2022

ar		Drug Design and Discovery Tools"	University			
N.Satish	National	Three days FDP on "Emotional Intelligence"	ICT Academy, Guru Nanak College, Chennai	NO	Chennai	19th September 2022 to 21st September 2022
Dr. P.K.Praveen Kumar	National	NAAC-sponsored National seminar on IIQA, SSR, DVV and Peer Team visit: Modalities and Guidelines for HEIs	Shri Shankarlal Sundarbai Shasun Jain College for Women	NAAC	Chennai	15/09/2022 to 16/09/2022
Dr.K. Vasantharaj	National	One day Workshop and Hands-on Training on Development and Testing of Packaging Materials	Anna University	DST-SERB	Chennai	28/10/2022
R. Rathana	International	International Conference zVAtra 2k22 - on "Emerging Technologies for a Sustainable Food Industry "	Rajalakshmi Engineering College	No	Rajalakshmi Engineering College	28/10/2022 - 29/10/2022
Aswin Jeno J G	National	High end workshop program on "Application of Artificial Intelligence (AI) in Food Processing"	National Institute of Food Technology, Entrepreneurship and Management - Thanjavur (NIFTEM-T)	SERB	NIFTEM, Thanjavur	23/11/2022 to 29/11/2022
S. Naga Vign	National	3D Printing in Industry 4.0	B S Abdur Rahman Crescent Institute of Science &	AICTE	HYBRID	5/12/2022 - 16/12/2022

esh			Technology, Chennai			
Hariharan J	National	3D Printing in Industry 4.0	B S Abdur Rahman Crescent Institute of Science & Technology, Chennai	AICTE	HYBRID	5/12/2022 - 16/12/2022
Divakar K	National	Workshop on Chemoinformatics for Drug discovery	Anna University, Chennai	DBT, GoI	Centre for Biotechnology, Anna University, Chennai	15/03/2023 to 18/03/2023
Dr.K. Vasantharaj	National	One-week Training Program on R&D Equipment on the theme "Exploring the science with sophisticated instruments"	National Institute of Technology Warangal & Central University of Tamilnadu, Thiruvavur	DST	Central University of Tamilnadu Thiruvavur	21/06/2023 to 27/06/2023
Mr. J. Hariharan	International	Online Course on "Introduction to text classification in R with quanteda"	Coursera	No	Coursera	26/03/2023
Dr M Nareshkumar	National	One day Interaction meeting at IIT Madras organized by PALS.	PALS, IIT Madras	No	IIT Madras	07-07-2023

#### Events organized by the department

Name of Event	Period	No of partic	Organizing Secretary/Coordinator	Complete details of the resouce person
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		Participants (Internal/External)		
“SVCE Pathways: Biotechnology Engineering - The Future of Healthcare”	11-07-2022	10	Dr. E. Nakkeeran Dr. K. Divakar Mr. Aswin Jeno J G Dr. R. Lakshmi Devi	-
Alumni Interaction on “Higher Studies Opportunities in the USA	03-09-2022	67	Dr. E. Nakkeeran Mr. N. Sathish Mr. Aswin Jeno J G Dr. K. Ganesh Prasath	-
Guest Lecture on Induction of Antigen-Specific Immunosuppression or Tolerance via Immunization	23/09/2022	84	Dr. E. Nakkeeran Dr. K. Ganesh Prasath Mr. Aswin Jeno J G	Dr. Aoshuang Chen Associate Professor Biomedical Sciences University of Illinois College of Medicine Rockford, United States
Guest Lecture on Engineered Nanomaterials for Biomedical Applications	24/09/2022	110	Dr.K.Vasantharaj	Jagathesh Chandra Bose
Guest Lecture on Modeling Motor Neuron Diseases with Human Pluripotent Stem Cells	30/09/2022	58	Dr. E. Nakkeeran Mr. Aswin Jeno J G Dr. K. Ganesh Prasath	Dr. Xue-Jun Li Associate Professor Biomedical Sciences University of Illinois College of Medicine Rockford, United States
Lecture series in 'Sequence alignment' of Bioinformatics	26/10/2022 to 04/11/2022	38	Dr. P.K.Praveen Kumar	Dr. Mohan Venkatraman, CEO & Director- Experteze

and Computational Biology				
Guest Lecture on Design Facets of Ligand-Targeted Nano- Delivery Systems for Retinal Diseases	19/10/2022	64	Prof. E. Nakkeeran Dr. K. Divakar Dr. K. Ganesh Prasath	Dr. Divya Rani Bijukumar, Assistant Professor, Biomedical Sciences, University of Illinois College of Medicine Rockford, United States.
Workshop on Intellectual Property Rights & Patents and Design Filing	2-11-2022	280	Dr.K.Vasantharaj & Dr.G.Karthigadevi	Himanshu Chandrakar
Alumni interaction on “Higher Studies Opportunities in Denmark”	5-11-2022	87	Mr.N.Sathish AP	Mr. Sharan Ravi 2016-2020 Batch Food Science and Technology University of Copenhagen, Denmark
Alumni Talk on "Gateway to GATE, Tips & Tricks by SVCE-BIO GATE toppers (Session-1)	10-11-2022	88	Dr. E. Nakkeeran Dr. K. Divakar Mr. Aswin Jeno J G	Ms. ANUSUYA NARAYANAN GATE-2021 AIR-29 (Biotechnology) Class: 2017-2021 Batch M. Tech Biomedical Engineering IIT Bombay
Alumni Talk on "Gateway to GATE, Tips & Tricks by SVCE-BIO GATE toppers (Session-2)	12-11-2022	94	Dr. E. Nakkeeran Dr. K. Ganesh Prasath Mr. Aswin Jeno J G	Ms. AKSHATHA R R GATE-2022 Class: 2018-2022 Batch M.Tech Industrial Biotechnology NIT, Surathkal

Alumni interaction on “Higher Studies Opportunities In Germany	12-11-2022	93	Mr.N.Sathish AP	Ms.Sai Harshini Valluri Class: 2015-2019Batch Public Policy University of Erfurt,Germany
Alumni Talk on "Gateway to GATE, Tips & Tricks by SVCE-BIO GATE toppers (Session-3)	13/11/2022	101	Dr. E. Nakkeeran Mr. Aswin Jeno J G Dr. K. Divakar Dr. J. Isaivani	Ms. SHAKUNTHALA N GATE-2021 AIR-3 (Biotechnology) Class: 2017-2021 Batch M. Tech Biotechnology IIT Madras
Gateway to DBT Sponsored PG Programmes through GAT-B : An Overview	15/11/2022	89	Dr. E. Nakkeeran Dr. K. Ganesh Prasath Mr. Aswin Jeno J G	Prof. N. S. Vasanthi Former Head, Biotechnology, BIT Sathyamangalam Former Visiting Scientist, Copenhagen University, Denmark
Guest Lecture on Protease inhibitor – The first made in India product: A story behind the innovation	10-03-2023		Prof.P.K.Praveen Kumar, Mr.J. Hariharan, Mr. Aswin Jeno	Dr. Bijayananda Panigrahi, Founder and Managing Director, Biopioneer, Odisha
Guest Lecture on Recent trends of AI and Data Science in Biotechnology	14-03-2023		Prof.P.K.Praveen Kumar, Ms. Kanagam, Dr. J. Isaivani	Saranya Sankaranarayanan, Principal Bioinformatician, Mayo Clinic, USA
Guest Lecture on Understanding Fermenterphiles: By Integrating Multi-Omic Data with Bioprocess Development	20-03-2023		Prof.E.Nakkeeran	Dr. Suresh Sudarsan, Senior Program Manager, DTU Biosustain, Novo Nordisk Foundation Centre for Biosustainability, Kongens Lyungby, Capital Region, Denmark

Guest lecture on Basics and Advanced Immunotherapeutics	13.08.2022	85	Prof. E. Nakkeeran Dr. K.Ganesh Prasath	Dr. Sunitha Bagawath Singh, Scientist, Immunology and Cell Biology, BioArctic, AB, Sweden
Guest lecture on Clinical drug development a journey from bench to bedside	20.08.2022	75	Prof. E. Nakkeeran Dr. K.Ganesh Prasath Mr. J.G. Aswin Jeno	Dr. Sakthi VP Srinivasan, R&D Coordinator (Cell Therapy for COVID19), NextCell Pharma AB, Sweden
Guest Lecture on Metabolomics and its application in the Biomarker Discovery of Chronic Diseases	27.08.2022	46	Prof. E. Nakkeeran Dr. K.Ganesh Prasath Dr. K. Vasantharaj	Dr. Sreelakshmi Sankara Narayanan, Postdoctoral Fellow, School of Biosciences, Taylor's University, Malaysia
Guest lecture on Developing a Vaccine for Canine Dirofilariasis: Evaluating Vaccine Candidates in a Mouse Model	07.09.2022	46	Prof. E. Nakkeeran, Dr. K.Ganesh Prasath	Prof. Ramaswamy Kalyanasundaram Head, Department of Microbiology and Immunology Assistant Dean for Research University of Illinois College of Medicine Rockford United States
Guest lecture on Preeclampsia: An Introduction towards a Pregnancy related Hypertensive Disorder	10.09.2022	60	Dr. G. Karthigadevi Dr. K.Ganesh Prasath	Dr. Deepak Venkataraman, Postdoctoral Researcher, Division of Pharmacy and Optometry, University of Manchester, United Kingdom.

Guest lecture on Induction of Antigen-Specific Immunosuppression or Tolerance via Immunization	23.09.2022	88	Prof. E. Nakkeeran, Dr. K.Ganesh Prasath Mr. J.G.Aswin Jeno	Dr. Aoshuang Chen, Associate Professor, Biomedical Sciences, University of Illinois College of Medicine Rockford, United States.
Guest Lecture on Modeling Motor Neuron Diseases with Human Pluripotent Stem Cells	24.09.2022	95	Prof. E. Nakkeeran Dr. K. Vasantharaj Dr. K.Ganesh Prasath	Dr. Jagathesh Chandra Bose Rajendran, Postdoctoral Researcher, Biomedical and Translational Medicine, Masonic Medical Research Institute, United States
	30.09.2022	72	Prof. E. Nakkeeran Mr. J.G.Aswin Jeno Dr. K.Ganesh Prasath	Dr. Xue-Jun Li, Associate Professor, Biomedical Sciences, University of Illinois College of Medicine Rockford, United States
Guest Lecture on Design Facets of Ligand-Targeted Nano- Delivery Systems for Retinal Diseases	19.10.2022	64	Prof. E. Nakkeeran Dr. K.Ganesh Prasath	Dr. Divya Rani Bijukumar, Assistant Professor, Biomedical Sciences, University of Illinois College of Medicine Rockford, United States.
Guest Lecture on Managing Cancer: From Understanding the Cause to Developing Treatment	04.11.2022	130	Prof. E. Nakkeeran Dr. K. Divakar Dr. K.Ganesh Prasath	Dr. Gnanasekar Munirathinam Associate Professor Biomedical Sciences University of Illinois College of Medicine Rockford, United States.

Guest Lecture on Biomedical Implants: What We Should Know	11.11.2022	130	Prof. E. Nakkeeran Dr. K.Ganesh Prasath	Prof. Mathew T Mathew Director of Faculty Research Biomedical Sciences University of Illinois College of Medicine Rockford, United States
Guest Lecture on Production of Recombinant Proteins and Metabolites	17.12.2022	107	Dr. V Sumitha Dr. K. Divakar Dr. S.Pandi Prabha	Ms. Richa Srivastava, Prime Minister's Research Fellow, Bhupat Jyoti School of Biosciences, IIT Madras,
Biotryst 23	16/05/2023	80	S. Pandi Prabha	Mr. Arun Ramasamy, Managing Director of @Uniway Engineers Private Limited, Chennai. Syngene International Limited, namely Dr. Ganesh Babu Karunakaran, Dr. Sourav Ghosh, and Dr. Varun Ahuja, DVM, PhD, DABT, ERT,

**MOU signed by the DEPT**

Name of Industry/Institute signing MOU	Period of MOU	Date of signing MOU	Objective of the MOU	Coordinator
Experteze (USA)	3 Years	14/10/2022	To train students in Bioinformatics, Computational Biology,	Dr. P.K.Praveen Kumar

			Genomics, Systems Biology and other related areas	
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### Funded projects

Name of Project	Funding Agency	Sanction Order No.	Sanction Date	Project Period & Amount Sanctioned	Principal Investigator
Metabolic Engineering Approaches for Hyaluronic Acid Production in Lactococcus Lactis	SERB TARE	TAR/2020/00333	15/12/2020	1/12/2020 to 30/11/2023	Dr. V. Sumitha
Efficacy of HSP90 mitochondrial targeting of Withanolide A & Withaferin A in Hepatocellular carcinoma	SERB TARE	TAR/2021/000250	15/02/2021	03/12/2021 to 02/12/2024	Dr. P.K.Praveen Kumar
Marine microalgae as sustainable source of cosmeceuticals: Formulation of anti aging sheet mask	TNSCST	BS0870	03.03.23	Jan 2023- June 2023 & 7500	Dr G Karthigadevi
In vitro studies of withaferin A on mitochondrial targeting of HSP 90 in hepatocellular carcinoma	TNSCST	Ms0736	03.03.23	Jan 2023- June 2023 & 7500	Dr. P.K.Praveen Kumar

### Guest lectures delivered

Name of Facul	Title of the TALK	Name of the conference/ WORKSHOP /SYMPOSIUM	Conference organised by	Conference Venu	Date & Perio
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ty				e	d
Dr. P.K.Praveen Kumar	Molecular docking	SERB sponsored workshop on "Hands on Training on Computer Aided Drug Design and Discovery Tools"	Shree S.K. Patel College of Pharmaceutical Education and Research, Ganpat University	Ahmedabad, Gujarat	27/07/2022
Dr. K. Divakar	Student Centric Pedagogy	Webinar	KPRIET	on-line	29/07/2022
N. Kanagam	Natural conversion of waste to resource	Seminar on Biology Day	Velammal Matriculation Higher Secondary School	Mogaipair	07-11-2022
Dr. K. Divakar	Applications of Molecular Phylogenetics - Successful Case Studies	Guest Lecture	VIT School of Agricultural Innovations and Advanced Learning	VIT Vellore	30/03/2023
Prof. E. Nakkheeran	Techniques and Guidelines for Recombinant Protein Purification	workshop on recombinant protein production and purification	University of Madras, Guindy Campus	Chennai	19/06/2023
Prof. E. Nakkheeran	Introduction to SWOT Analysis	ROLE OF IQAC IN ASSESSMENT AND ACCREDITATION IN HIGHER EDUCATION INSTITUTIONS	SMK FOMRA INSTITUTE OF TECHNOLOGY	Chennai	10-04-2023
Awards and achievements					

Name of Faculty	Award Name	Cash Prize	Title of the paper	Conference Name	Organization name	Date
Dr. P.K.Praveen Kumar	First Prize	Rs.3000	Stagewise gene expression profiling reveals potential genes and the critical pathways in renal cell carcinoma	SymBiot'2022	Manipal Institute of Technology	11-11-2022
Dr. P.K.Praveen Kumar	Best Poster Award	NA	Harnessing next gen AI enabled biotech innovations for sustainable healthcare	Indo-Singapore International Conclave on Translational research in healthcare	Sathyabama Institute of Technology, Chennai	12/09/2022 to 13/09/2022

#### Consultancy work

Name of Faculty	Title of the consultancy work	Name and address of the Industry Consultancy done for	Consultancy fees collected	From	To	No of days/ Months
Dr. E. Nakkeeran & Dr. K. Ganesh Prasath	Microbial analysis of water samples	L&T Water Technology Centre , ampus, No.167, Neervallur Village Kanchipuram-631561	Rs. 4130	Jan 2023	Feb 2023	7 days

#### Membership in professional bodies

Name of	Member in	Membershi	Member
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Faculty		p No	Status
Prof. E. Nakkeeran E	International Association of Engineers	129163	Life
	Member of Institution of Engineers India	M-1566762	Life
	APCBEES - Asia Pacific Chemical Biological and Environmental Engineering Society	101037	Life
	Member of Asian Council of Science Editors	91.10026	Life
	International Association of Computer Science and Information Technology	-	Life
Dr. V. Sumitha	Life member of ISRD	179027	Life
	Life member of IAENG	M41509025 30	Life
	Senior Member of CBEES	101841	Life
Dr. S. Pandi Prabha	Life membership in ISTE	-	Life
	Life membership in ISRD	179323	Life
	Life membership in IAENG	-	Life
Dr. PK. Praveen Kumar	Life time Member in The Indian Science Congress Association	L22390	Life
	Life time Member in Biotechnology Research Society of India	LM1013	Life
	International Association of Engineers	138195	Life
	Scientific board member of Biological, Pharmaceutical and Medical Sciences in International Institute of Chemical, Biological and Environmental Engineering (Thailand)	-	Life
	Bentham Science Ambassador of India for Bentham Science Publishers (Singapore).	-	Life

	Advisory board member in World Journal of Pharmacy and Pharmaceutical Sciences (Bulgaria Journal)	-	Life
	Advisory board member in World Journal of Pharmaceutical Research (Bulgaria Journal).	-	Life
	Advisory board member in The Open Enzyme Inhibition Journal.	-	Life
	Member in Association of Scientists, Developers and Faculties- International (USA).	-	Life
	Member in International Association of Chemical, Biological & Medical Sciences Researchers (UAE).	-	Life
	Editorial member in Journal of Advanced Biotechnology and Genetic Engineering.	-	Life
	Editorial member in Journal of Journal of Enzymology and Metabolism.	-	Life
	Editorial member in Journal of British Journal of Research and Journal of Computing and Technology.	-	Life
	Associate Editor in BIOINFO Pharmaceutical Biotechnology.	-	Life
	Section Editor in Mini Reviews in Medicinal Chemistry Journal.	-	Life
	Editor in The Open COVID-19 Journal.	-	Life
	Section Editor in Medicinal Chemistry Journal.	-	Life
Mr. J. Hariharan	Life membership in ISTE	LM68337	Life
Mr. N. Sathish	Life Member in Asia Federation of Biotechnology Association	-	Life

	Indian society of Microbiology	-	Life
	International society of Research and Development	207387	Life
	Life member of IAENG	M41509034 01	Life
	Life member of IFERP	PMIN17832 650-	Life
Mr. S. Naga Vignesh	International Society for Computational Biology	-	Annual
	Microbiology Society		Annual
	Member of APCBEES - Asia Pacific Chemical Biological and Environmental Engineering Society	-	Life
Ms. N. Kanagam	Life member of ISRD	178465	Life
	Life member of IAENG	M41509025 93	Life
Dr. K. Divakar	Associate fellow Telangana academy of sciences	-	Life
	Life member- IAENG	260134	Life
Ms. R. Rathna	Associate Member of Chemical Engineering in IEI	AM170403 9	Annual
	Life member of IAENG	271658	Life
	European Biotechnology Network	-	Life
Dr. K. Vasantharaj	The Institution of Engineers (India)	M-1705711	Life
	Indian Society for Technical Education	LM 76517	Life
	International Association of Engineers	273693	Life
	Institute for Engineering Research and	PMIN38572	Profession

	Publication	610	al
Dr. G. Karthigadevi	Indian Society for Technical Education	LM 125521	Life
	Life member of IAENG (June)	275898	Life
Ms. U. Vidyadevi	Society for Biotechnologists (INDIA)	L617	Life
Dr. Aswin Jeno J G	International Association of Engineers	319578	Permanent

#### Inplant training Details

Name of the student	Register no	YEAR AND BATCH	Name of the company	Department/Field/ Area/Topic	From Date	To Date
Abhinav RA	190201002	4	Madras Vetenary college	Molecular biology and Immunotechnolog y	14/07/22	27/07/22
Haripriyaa A s	1902021013	4	ICMR-NIRT	Immunology department - observed vaccine development, drug development for tuberculosis. Identification of drug resistant strains and trails of diagnosis kit using CRISPR.	10-08-22	24/08/22
Gomathi T	190201011	4	ICMR-NIRT	Immunology department - observed vaccine development, drug development for tuberculosis. Identification of drug resistant strains and trails	10-09-22	24/08/23

				of diagnosis kit using CRISPR.		
Karthikeyan M	190201016	4	Cancer Institute (WIA)	Clinical biochemistry	22/08/22	07-09-22
Kamalavarshini B	190201015	4	Sri Ramachandra Higher Education and Research	Biochemistry and Microbiology	25/07/22	09-08-22
Lakshmi. B	190201017	4	ICMR - VCRC, puducherry	Molecular epidemiology	15/07/22	29/07/22
Leema Rose Sebastian	190201018	4	Singventur e Foods Pvt.Ltd.	Implant training on Extruders and packaging machineries in a food industry	14/07/22	26/07/22
Dhaksha Padmaja.S	190201008	4	Animal handling and toxicity studies	Siddha Central Research Institute	14/07/22	13/08/22
Jishnu Raj	190201014	4	Cancer Institute (WIA)	Clinical biochemistry	22/08/22	07-09-22
Anirudh J	190201005	4	Bioinformatics	Tamil Nadu Veterinary and Animal Sciences University, Vepery	20/09/22	19/10/22
Kamali.S	2127200201020	3	United Alacrity India Private Limited	Enzyme assay	15-07-22	30-08-22
Sakthivel S	2127200201037	3	Crescent Innovation	media preparation,	15-07-22	26-07-22

			and Incubation Council	inoculation, biochemical characterization, serial dilution		
Sakthivel S	21272002010 37	3	Crescent Innovation and Incubation Council	plant tissue culture, ptc media preparation, inoculation of ptc, callus induction, G9 banana culturing, extraction of secondary metabolites from callus	15-07- 22	26-07-22
NIVASHINI VINDHYA S	21272002010 31	3	FOODS & INNS LTD.	Food Technology	15-07- 22	26-08-22
Ananya R.C	21272002010 04	3	SIMS Hospital	Techniques involved in blood transfusion,aphere sis,serology,crossi ng,analysis of urine and blood samples,quantific ation of hormones ,electro lytes,hba1c,pcr techniques and how to operate an pcr and techniques involved,testing blood and urine samples using microbiology technique,tecniqu es involved in examination of biopsy	15-07- 22	30-07-22
G.kimaya	21272002010 21	3	SIMS	Department of Biochemistry, Haematology, Microbiology,	15-07- 22	30-07-22

				Histopathology, Molecular biology, Blood bank		
Arvind Srinivasan. A	2127200201008	3	Crescent Innovation and Incubation Council	Streaking, Handling of microbes, Laminar chamber sterilisation, Media preparation, Plating methods, Biochemical characterisation	15-07-22	26-07-22
Arvind Srinivasan. A	2127200201008	3	Crescent Innovation and Incubation Council	Callus induction techniques, Explant culturing, media preparation	15-07-22	26-07-22
M HARITHA	2127200201014	3	Intermed pharma company	formation of tablet	15-07-22	30-07-22
S.S Priyadarshini	2127200201032	3	Intermed Pharma company.	preparation of tablets.	15-07-22	30-07-22
KIRTANA S	2127200201022	3	Optimurz Bioscience	Isolation of bacteria, water quality analysis, Isolation of Nucleic acid, SDS-PAGE, Agarose Gel Electrophoresis	18-07-22	25-07-22
Ragini Vidyashankar	2127200201033	3	Defence Food Research Laboratory	Microbial Culture techniques, RT-PCR, PCR, instruments like: retort machine, Khejdals fat analyser, soxhlet fat analyser	18-07-22	29-07-22

Rajavarsini.R	2127200201034	3	Tamilnadu Co-operative Milk Producers Federation-Aavin Ambattur dairy	quality control tests, quantitative and microbial analysis for milk	18-07-22	22-07-22
RUPIKA RAJENDRA N	2127200201035	3	Tamil Nadu Cooperative Milk Producers Federation Limited-Aavin ambattur dairy	quality control tests, quantitative, microbial analysis for milk	18-07-22	22-07-22
LAVANYA J	2127200201023	3	Optimurz Bioscience	Microbiology and Molecular Biology such as isolation of bacteria, water quality analysis, isolation of nucleic acid, PCR, agarose gel electrophoresis, Native PAGE, SDS PAGE	18-07-22	25-07-22
Maanasa M	2127200201024	3	Life Teck Research Centre	Animal cell culture techniques-subculturing , cytotoxicity of cells , determination of viability of vero and cancer cells in MTT assay	20-07-22	27-07-22
AADHAN G A	2127200201001	3	LIFE TECK	DESIGNING OF ANIMAL CELL	20-07-22	27-07-22

			RESEARCH CENTRE	CULTURE, METHODS OF STERILIZATION, SUBCULTURE AND MAINTAINING OF CELLS, MTT ASSAY, CRYOPRESERVATION		
AADHAN GA	2127200201001	3	LIFETECK RESEARCH CENTRE	SETTING UP OF MYCOLOGY LAB, ISOLATION OF FUNGUS FROM DIFFERENT SOURCES, ANTIFUNGAL ASSAY, MAINTENANCE OF FUNGAL CULTURES, FUNGAL PROTEIN PROFILE USING SDS-PAGE SCREENING FOR EXTRACELLULAR ENZYME PRODUCTION, DETECTION OF ENDOPHYTIC FUNGI	02-08-22	13-08-22
DHAKSHNI SS	2127200201010	3	LIFETECK RESEARCH CENTRE	SETTING UP OF MYCOLOGY LAB, ISOLATION OF FUNGUS FROM DIFFERENT SOURCES, ANTIFUNGAL ASSAY, MAINTENANCE	02-08-22	13-08-22

				OF FUNGAL CULTURES, FUNGAL PROTEIN PROFILE USING SDS-PAGE SCREENING FOR EXTRACELLULAR ENZYME PRODUCTION, DETECTION OF ENDOPHYTIC FUNGI		
Madhumitha K	2127200201025	3	Sri Shakti Food Testing laboratory	Culture growth, identifying the bacteria in the food and water samples, presence of chemical compounds in water and soil.	18-08-22	01-08-22
MAYURI S	190201021	7	TANUVA S	Molecular Biology and Immunotechnology	14-07-22	27-07-22
MAYURI S	190201021	7	NIRT	Immunology techniques	16-08-22	29-08-22
RAJASHREE R	190201026	7	CANCER INSTITUTE	Clinical Biochemistry	22-08-22	07-09-22
RAJASHREE R	190201026	7	MGM Healthcare	Clinical Biochemistry and microbiology	21-07-22	30-07-22
RYTHIKA C	190201027	7	SGS Indian Pvt Ltd	Microbiology and food	16-07-22	30-07-22
SANJANA S	190201028	7	CANCER INSTITUTE	Clinical Biochemistry	22-08-22	07-09-22
SARVIKA P M	190201029	7	Cancer Institute	Clinical Biochemistry	22-08-22	07-09-22

			(WIA)			
SHARATH R	190201031	7	TANUVA S	Molecular Docking	20-09-22	19-10-22
SHARATH R	190201031	7	Cambrionics Life Science	molecular biology, zebrafish husbandry	24-01-22	05-02-22
SHRUTHI V	190201032	7	TANUVA S	Molecular Biology and Immunotechnology	14-07-22	27-07-22
SHRUTHI V	190201032	7	NIRT	Immunology techniques	16-08-22	29-08-22
SRI NITHYA S	190201035	7	CANCER INSTITUTE	Clinical Biochemistry	22-08-22	07-09-22
UMADEVI V H	190201036	7	Siddha Central Research Institute	Animal handling and toxicity studies	14-07-22	13-08-22
VANAJA N	190201037	7	VIDYASAGAR INSTITUTE OF BIOMEDICAL TECHNOLOGY AND SCIENCE	Ocular Pathology	19-07-22	28-07-22

#### Patents

Name of the Inventor	Name of the Applicants:	Title of Invention	Application No & Date of Filing:
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Dr. P.K.Praveen Kumar	Dr. Nikhat Farhana, Dr. S. Thenmozhi, Ms. Bhawana Kapoor, Dr. S. Srinivasan, Dr. Shubhajit Halder, Dr. Manoj kumar katual, Dr. Amarendranath Choudhury, Dr. Sunil kumar, Dr. Deepika Kapoor, Dr. Harikumar Pallathadka.	: Bacillus cereus can cause experimental Endophthalmitis, which can be treated with Moxifloxacin with or without dexamethasone	202241040267, 13.07.2022
Dr. P.K.Praveen Kumar	Ms. Rakhi Bakuli, Dr. Ponnu Kangeswari, Dr. Abdul Rahman H Ali, Dr. Priti Nilesh Bhagat, Mr. Prasanna Lohe, Mr. Pranit Dinesh Thakare, Mr. Jyotirmay Sarkar, Mr. Soumitra Sahana, Mr. Logeswaran and Dr. V. Kannan	Biomedical imaging system for cancer screening using artificial intelligence	202231059318, 17.10.2022

#### Students achievements

Name of the student	Register no	YEAR	BATCH	Nature of the competition	Title of the event	Score/Awards	From Date	To Date
Kamalavathini V	190201015	IV	2019-23	National Symposium	SymBiot'22	First Prize	11-11-2022	12-11-2022
Harini	19020101	IV	2019-23	National Symposium	SymBiot'22	First Prize	11-11-	12-11-

Sund ar	3						2022	2022
Divy asakt hi M	1902 0100 9	IV	2019- 23	International Conference	International Conference on "Emerging Technologies for a Sustainable Food Industry	First Prize	28/10 /2022	29/0 8/20 22
Nithi n Raj	1902 0102 2	IV	2019- 23	International Conference	International Conference on "Emerging Technologies for a Sustainable Food Industry	First Prize	28/10 /2022	29/0 8/20 22
Priya nkara j	2127 2012 0102 8	II	2021- 25	Naitonal	Bug to Business'22	BEST MARKETIN G STRATEGY AWARD	05- 11- 2022	06- 11- 2022
<div> <div>Distinguished Alumni</div> <div> <ol style="list-style-type: none"> <li>Mr. Prasanth M, Proprietor, JK cakes and cookies</li> <li>Rajeshwar Nitiyanandan, Cancer Research ScientistSageMedic Corp., Redwood City, California</li> <li>Janani Sridar scientific researcher at this company called Calico Labs. South San Francisco, California</li> </ol> </div> </div>								

## ANNEXURE - II

1	Name of the Department	<b>Department of Civil Engineering</b>		
	Course	<b>B.E.</b>		
	Level	<b>UG</b>		
	1 <sup>st</sup> year of approval by the Council	<b>2008</b>		
		<b>2022-23</b>	<b>2021-22</b>	<b>2020-21</b>
	Year wise sanctioned intake	30	30	60
	Year wise actual admission	20	14 + 5	23+11
	Cut off marks – General quota	189.50	193.28	175.00
	% Students passed with First Class with distinction	10/38 = 26.32%	16/51= 31.37%	13/68= 20%
	% Students passed with First Class	28/38 = 73.67%	34/51 = 66.67%	51/68 = 75%
	Students placed	12	15	15
	Average Pay package, Rs/year	2,00,000	3,47,000	2,28,000
	Students opted for Higher studies	16	15	18
	Accreditation Status of the course	NBA Accredited from July 2023 till June 2026		
	Doctoral Courses	Anna University Recognised Research Center to guide PhD Candidates from 13.12.2022 till December 2025		
	Foreign collaborations, if any	Not Applicable		
	Professional Society Memberships	<ul style="list-style-type: none"> <li>➤ Indian Society for Technical Education (ISTE)</li> <li>➤ Indian Concrete Institute (ICI)</li> <li>➤ Indian Society of Hydraulics (ISH)</li> <li>➤ Institution of Engineers (India)</li> <li>➤ Indian Geotechnical Society (IGS)</li> <li>➤ Indian Green Building Council (IGBC)</li> <li>➤ Institute of Doctors Engineers and Scientists (IDES)</li> <li>➤ Indian Road Congress (IRC)</li> <li>➤ Institute of Urban Transport (IUT)</li> <li>➤ International Society for Research and Development (ISRDR)</li> </ul>		

Professional Activities	<ul style="list-style-type: none"> <li>➤ Students actively participate in technical events organized by colleges and industries</li> <li>➤ Every year a symposium is organized by the students with the faculties support in the department, by which students get educated in different aspects like leadership qualities, Coordination, knowledge sharing, etc.</li> <li>➤ Guest Lecture and Webinars are conducted to enhance the students technical knowledge</li> <li>➤ Students were taken for Industrial Visits regularly to meet industry requirements</li> </ul>
Grants fetched	<ul style="list-style-type: none"> <li>➤ <b>Dr.R.Kumutha</b>, Professor &amp; Head received a TARE fellowship from SERB for the project titled “Mix Optimization and design guidelines for fully recycled geopolymers concrete” under the guidance of Dr.S.Maheswaran, Senior Principal Scientist, Advanced Materials Laboratory, Structural Engineering Research Centre, CSIR, Chennai with an grant of <b>Rs.18,30,000</b> on 6th October 2022.</li> <li>➤ Dr.R.Kumutha, Professor &amp; Head received of <b>Rs. 1,50,000</b> from Science &amp; Engineering Research Board (SERB) under the scheme “Assistance to Professional bodies &amp; Seminar / Symposia” to organize a National Conference on “Smart and Energy Efficient Construction Materials and Technologies for Sustainable Infrastructure” on 28.09.2022</li> <li>➤ <b>Dr.R.Kumutha</b>, Professor &amp; Head received a grant of <b>Rs. 2,00,000</b> from AICTE, New Delhi under the Scheme “YUVAK” to arrange the students visit the ATAL Tunnel.</li> <li>➤ <b>Dr.R.Kumutha</b>, Professor &amp; Head, and Ms. Ruby Freya, Assistant Professor received a grant of Rs.30,000 from Anna University, Chennai to organize a Faculty Development Program on “CE18301 – Strength of Materials - I”</li> <li>➤ <b>Ms.Ruby Freya</b> received a grant of Rs.7,500 from TNSCST, Chennai under the scheme of “Student Projects Scheme (SPS)” for the project titled “Low cost speedy recovery of dwellings from disaster”</li> <li>➤ <b>Dr.R.Kumutha</b>, Professor &amp; Head/Civil received a grant of <b>Rs.93,000</b> from AICTE Training and Learning (ATAL) Academy for conducting an Online FDP on “Earthquake Resistant Structural Systems and Design for Buildings and Structures” during 7<sup>th</sup> to 11<sup>th</sup> June 2021.</li> <li>➤ <b>Dr.R.Kumutha</b>, Professor &amp; Head/Civil and Dr.R.Sathia, ASP/Civil received a grant of <b>Rs.30,000</b> from Centre for Faculty Development, Anna University, Chennai for conducting an Online FDP on “CE8502 -Structural Analysis I” during 14<sup>th</sup> to 19<sup>th</sup> June 2021.</li> </ul>
Departmental Achievements (Last three Academic years 21-22,20-21 and 19-20)	<p><b>1. Faculty with Ph.D. Qualifications:</b></p> <p>Four faculty members with PhD qualifications (Three of them from <i>IIT Madras</i> &amp; one from <i>Anna University</i>) and Two faculty submitted the Thesis in Anna University and one faculty member pursuing Ph.D. in Anna University, Chennai.</p>

		<p><b>2. Organizing FDP/STTP:</b></p> <p><b>Dr.R.Kumutha, Ms.Ruby Freya, &amp; Mr.A.Vijay Vignesh</b> organized Faculty Development Training Program on “Construction Management in BIM with Project Management” in association with BIM Labs Engineering Private Limited, Trivandram, Kerala</p>																												
		<p><b>Dr.R.Kumutha &amp; Ms.K.Sathyapriya</b> organized a Faculty Development Program in “ETABS Software” in association with CSI Engineering Software Private Limited, New Delhi.</p> <p><b>Dr.R.Kumutha &amp; Ms.Ruby Freya</b> Organized AICTE Training and Learning (ATAL) Academy Sponsored Online FDP on “Earthquake Resistant Structural Systems and Design for Buildings and Structures” from 7<sup>th</sup> to 11<sup>th</sup> June 2021.</p> <p><b>Dr.R.Kumutha &amp; Dr.R.Sathia</b> Organized Anna University Sponsored Six Day Faculty Development and Training Program on the subject “CE8502 – Structural Analysis – I” from 14<sup>th</sup> to 19<sup>th</sup> June 2021.</p> <p><b>Dr.R.Kumutha &amp; Mr.R.Kalaivannan</b> Organized Five days Faculty Development Program on “Land Surveying Using Total Station " from 8<sup>th</sup> to 12<sup>th</sup> March 2021.</p> <p><b>3. MoU:</b></p> <ul style="list-style-type: none"><li>➤ Signed the MoU with Construction Management Training Institute, Bangalore on 2<sup>nd</sup> September 2021.</li><li>➤ Signed the MoU with National Highways Authority of India (NHAI) on 7<sup>th</sup> October 2020.</li></ul> <p><b>4. Online Course</b></p> <ul style="list-style-type: none"><li>➤ Students and faculties from the department completed the online courses offered by different platforms such as NPTEL, SWAYAM, Coursera, etc.</li></ul> <p><b>5. External Participation by Faculties:</b></p> <table><tr><th>Academic Year</th><th>2022 - 2023</th><th>2021 - 2022</th><th>2020-2021</th></tr><tr><td></td><td colspan="3">No. of Programs</td></tr><tr><td>Number of Faculty Members</td><td>10</td><td>12</td><td>12</td></tr><tr><td>Faculty Development Programs</td><td>10</td><td>15</td><td>14</td></tr><tr><td>Short term courses / Workshop / Seminars</td><td>6</td><td>4</td><td>12</td></tr><tr><td>Industrial training</td><td>2</td><td>Nil</td><td>3</td></tr><tr><td>NPTEL / Online Courses</td><td>5</td><td>4</td><td>21</td></tr></table>	Academic Year	2022 - 2023	2021 - 2022	2020-2021		No. of Programs			Number of Faculty Members	10	12	12	Faculty Development Programs	10	15	14	Short term courses / Workshop / Seminars	6	4	12	Industrial training	2	Nil	3	NPTEL / Online Courses	5	4	21
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Industrial training	2	Nil	3																											
NPTEL / Online Courses	5	4	21																											

**6. Program Organized:**

Academic Year	No of Programs Organized		
	2022 - 2023	2021 - 2022	2020-2021
Guest Lecture / Webinar	16	20	29
Workshop	2	2	4
Seminar	1	2	Nil
FDP	1	2	3
Certification Course	2	2	Nil
Other Event Involving Students	1	4	14
Total	23	32	50

**7. Interaction with Industries:**

- Students were motivated to undergo final year projects in reputed Industries/Organization like Highway Research Station (HRS), Tamil Nadu Police Housing Corporation, L&T, Chennai River Restoration Trust, etc.
- Industrial Visits to Industries/Organization (Chennai Metropolitan Water Supply & Sewerage Board, Institute of Hydraulics & Hydrology – Poondi, L&T Tunneling Academy, Public Work Department, Neyveli Lignite Corporation, etc) were arranged frequently for students to familiarize the theoretical concepts.
- Students completed the Industrial Training in reputed industries.

**8. Technical Training to students:**

- Experienced and GATE qualified faculties from the department train the students to clear the competitive exams like GATE, SSC, TNPSC, UPSC, etc for the interested students.
- Training on Aptitude and programming skills were offered to the students based on the expectations of core/Software companies during on-campus recruitment.

**9. Students Participation:**

- Students were motivated to participate in all activities like paper presentation, poster presentation, quiz, project competition, etc organized by inside and outside SVCE by providing On-Duty.

#### 10. Consultancy:

- Dr. R. Kumutha, Professor and Head, Civil Engineering, SVCE, Ms.Ruby Freya, Assistant Professor, Civil Engineering, SVCE and Mr. R.Srinivasan, Estate Engineer, SVCE submitted a Consultancy Report on Inspection of Water Proofing work at SICCI Building on 14th May 2022.
- Dr. R. Kumutha, Professor & Head, Ms.Ruby Freya, Assistant Professor, Mr. Gopinath A.V, IIIrd yr student and Mr. Dhanush Aurobindo J, IIIrd yr student submitted the report on Technical Specifications for the proposed Swimming Pool Complex as a Consultancy project report GULF ENGINEERING CONSULTANCY on 3rd June 2022.
- Dr. R. Kumutha, Dr. R. Sathia, Ms. Ruby Freya and Ms.K.SathyaPriya have done a consultancy project on Area Requirements for Integrated Bus Terminus to Gulf Engineering Consultancy
- Dr.R.Kumutha, Mr.R.Kalaivannan, Mr.S.Hariswaran carried out a consultancy at Southern India of Chamber of Commerce and Industry (SICCI), Chennai for Rs.11,800 on 19<sup>th</sup> March 2020.

#### 11. Faculty Publication:

Academic Year	No. of Publications		
	2022 - 2023	2021 - 2022	2020-2021
International Journal	6	5	11
National Journal	2	-	-
International Conference	7	8	-
National Conference	-	-	-

#### 12. Students

##### Achievements:

##### Academic Year 2021-

##### 2022:

- Ms.Dharshini G has received the “**Outstanding Civil Engineering Award**” for the academic year 2021- 2022 on the College Day function held on 10th June 2022.
- Mr.Ajay Krishnamurthy , Mr.S.Naveen and Ms.R.Logeswari received the **Best Paper Award** in the International Conference on “ Sustainable Environment & Civil Engineering ICSECE’22” held on 18th & 19th May 2022 at Easwari Engineering College, Chennai.

- Amaravathy U, Puviarasu S and Jayasurya J have secured the SVCE- INNOVATES 2022, held on 08<sup>th</sup> April 2022. (Project topic : Instrument to check the tile levels)

- Mr. Mohamed Shafeen, Mr. Padmanaban N and Mr. Hari Prakash J

	<p>of third year secured <b>Second place and won cash prize</b> for Poster presentation at St. Joseph's College of Engineering on 27<sup>th</sup> April 2022.</p> <ul style="list-style-type: none"> <li>➤ Ms Jenisha A and Ms. Harshavarthani G secured <b>Second place and won a cash prize</b> in the Technical connection event in the symposium at SRM Easwari Engineering College on 29<sup>th</sup> April 2022.</li> <li>➤ Ms. Viveditha Varshini A G secured <b>First place and won a cash prize</b> in Technical Quiz in the symposium at SRM Easwari Engineering College on 29<sup>th</sup> April 2022.</li> <li>➤ Ms. Viveditha Varshini A G and Mr. D. Laleeth Kumar secured <b>First place and won cash prize</b> in the Technical Connection event in the symposium at SRM Easwari Engineering College on 29<sup>th</sup> April 2022.</li> <li>➤ Mr. Siddharth J U, Mr. Gopinath A V and Mr. Gokul K won <b>Second place</b> in Students' Research Day, SVCE Innovates on 9<sup>th</sup> April 2022.</li> <li>➤ Ms. Lomina, Ms. Nithila and Mr. Aadeshwar (First Year Student) have secured Second place in the SVCE- INSPIRE 2K22, an intercollegiate innovative project contest held on 28<sup>th</sup> April 2022.</li> <li>➤ Ms. R. Logeshwari won <b>first prize</b> in the drawing competition held on Women's Day 2022 - 8<sup>th</sup> March 2022, SVCE.</li> <li>➤ Ms. V. Monica won <b>first prize</b> in the essay writing competition held on Women's Day 202 - 8<sup>th</sup> March 2022, SVCE.</li> <li>➤ Mr. Ajay Krishnamurthy, Mr. S. Naveen and Ms. Sharadha Lakshmi had won <b>First Prize</b> under the category Innovel in The First Edition of iCube - A State level technical event organized by SVCE Science Club of Sri Venkateswara College of Engineering, Sriperumbudur held between 19.09.2021 and 03.10.2021.</li> <li>➤ Ms. R. Logeshwari, Ms. H. Nancy, Ms. S. Kiruthiga and Ms. D. Pershiya had won <b>First Prize</b> under the category Ideo-o-lite in The First Edition of iCube - A State level technical event organized by SVCE Science Club of Sri Venkateswara College of Engineering, Sriperumbudur held between 19.09.2021 and 03.10.2021.</li> <li>➤ Ms. A. Jenisha, Mr. D. Laleeth Kumar, Mr. N. Gogula Chezhiyan and Ms. G. Harshavarthani had won <b>Second Prize</b> under the category Ideo-o-lite in The First Edition of iCube - A State level technical event organized by SVCE Science Club of Sri Venkateswara College of Engineering, Sriperumbudur held between 19.09.2021 and 03.10.2021.</li> </ul>
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	<ul style="list-style-type: none"> <li>➤ Mohammad Salmaan Shariff K N and Promoth Madavan K P have won <b>Second prize</b> in Paper Presentation event in XIPHIAS 2K21 on 10 Dec 2021, organized by Department of Civil Engineering ,DMI engineering college, Chennai.</li> <li>➤ Baala Subramaniyan K, has won <b>First Prize</b> in Photography contest in XIPHIAS 2K21 on 10 Dec 2021, organized by Department of Civil Engineering, DMI engineering college, Chennai.</li> <li>➤ Mr.Puviarasu secured <b>First Prize</b> in the poster presentation event at National level Technical Symposium CONSTRUO 2021, held at Valliammai Engineering College, Chennai on 28th August 2021.</li> <li>➤ Mr.AURUDRA ADISESHAIAH KRISHNA (II year )secured II place in the ADZAP event at National level Technical Symposium CONSTRUO 2021, held at Valliammai Engineering College, Chennai on 28<sup>th</sup> August 2021.</li> </ul> <p><b><u>Academic Year 2020-2021:</u></b></p> <ul style="list-style-type: none"> <li>➤ Ms. Harshavarthani G. and Ms. Hemalatha R. received the Budding Bright Engineers Award with <b>Rs.2000 cash prize</b> from Alumni Association of SVCE on 15<sup>th</sup> August 2020.</li> <li>➤ Ms.G.Monisha has secured <b>Second Place</b> in Bharatnatyam (Senior Category) in Sanskriti Utsav 2 ,International level Online dance, vocal and Instrument Competition ,held during 30<sup>th</sup> October to 01<sup>st</sup> November 2020. This event was organized by All India Cultural Society.</li> <li>➤ Mr. Nishanth K and Mr.Jotheeswaran K C of Student Batch 2016-2020 got <b>selected</b> for apprenticeship training in Public Works Department (PWD), Tamil Nadu on 31<sup>st</sup> Dec 2020.</li> <li>➤ Mr.Rohan Lewis has secured <b>3<sup>rd</sup> prize</b> and and Ms.U Amaravathy has secured <b>Consolation Prize</b> in the Inter college Technical Oratorical Competition on the Topic “Safety is not expensive - It is priceless” organized by Builders Association of India(BAI), Southern Centre, Chennai on 12<sup>th</sup> Jan 2021.</li> <li>➤ Mr.Richin John Charley has been selected as one of the <b>finalist</b> from the southern region for the QUIZ Competition STIMULUS Conducted by ULTRA TECH Cement.</li> </ul>
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	Distinguished Alumni	<p><b>Mr.B.Sai Sudhir,</b> Senior Design Engineering, L&amp;T Construction</p> <p><b>Mr.S.Sakthivel</b> Assistant Engineer Highways Department, Government of Tamil Nadu</p> <p><b>S.Manikandan</b> of 2011-15 batch has topped in the TNHB examination and received the appointment order from the Deputy chief minister of Tamil Nadu on 5<sup>th</sup> April 2018</p> <p><b>Mr. A.Aarliusrebony and</b> <b>Ms. T. Geetha,</b> Deputy superintendent of Police, Tamilnadu Police Service</p>
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## ANNEXURE - II

1	Name of the Department	<b>Chemical Engineering</b>		
	Course	B.Tech. Chemical Engineering		
	Level	Undergraduate		
	1 <sup>st</sup> year of approval by the Council	1994		
		<b>2022-23</b>	<b>2021-22</b>	<b>2020-21</b>
	Year wise sanctioned intake	60	90	90
	Year wise actual admission	39	68	63
	Cut off marks – General quota		167.5	156.84
	% Students passed with First Class with distinction	54.21%	36.14%	28%
	% Students passed with First Class	45.78%	61.45%	66.6%
	Students placed	49	49	36
	Average Pay package, Rs/year	4.5 LPA	3.89 LPA	3.5 LPA
	Students opted for Higher studies	34	17	40

Accreditation Status of the course	NBA accredited till 30 <sup>th</sup> June 2022
Doctoral Courses	The department has been recognized as research centre for M.S and Ph.D program from 05 April 2011.
Foreign collaborations, if any	<p><b>USIEF-</b> (The united States- India Educational Foundation) – Student Exchange Programme</p> <p>Mr. Himanshu Dashora, Fullbright Scholar from Johns Hopkins University, USA worked under the mentorship of Prof.Nalinkanth V. Ghone in the Department of Chemical Engineering on the project titled “Cell-Cell Interaction Systems with Mesenchymal Stem Cells”, He received fellowship amount of Rs 10,00,000 -/- from United States - India Educational Foundation (USIEF) for a period of nine months (Sept 2018 to May 2019).</p>
Professional Society Memberships	Most of the faculty members are holding membership in ISTE and IChE
Professional Activities	<p>The International Conference on “ Green Materials And Renewable Energy” was conducted on 10th and 11th June, 2021.</p> <p>National conference on “Technological Innovations in Chemical Engineering towards sustainability conference 22” (TICChCON'22) was conducted during 27th and 28th May, 2022.</p> <p>Two Days National level Conference on Technological Innovations in Chemical Engineering towards sustainability conference 23, (TICChS'23) was conducted during 05th and 06th April 2023.</p> <p>A total of 33 guest lectures were delivered by eminent professionals and industrialists which were conducted by the Department of Chemical Engineering in association with AIChE and IChE - SVCE Student Chapter in the last three academic years.</p> <p>Every Academic Year a National Level Technical Symposium “PANSOPHY” is organized by our students in the department.</p>

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	<b>PATENTS GRANTED:</b>																																														
	<b>Name Of The Faculty</b>	<b>Patent Topic</b>	<b>Patent Application Number</b>																																												
	Dr.N.Meyyappan, HOD/CHE Professor Dr.D.G.Rao, Professor, Ms.G.Havisha Final Year UG Student Mr.M.Asifullah Final Year UG Student Ms.E.Lavanya Final Year UG Student	A Process for the preparation of the fruit toffees by microwave heating	350323 Patent granted on 28/10/2020																																												
	Dr.N.Meyyappan, HOD/CHE Professor Dr C Anand Babu, Former Professor  Mrs S Swathi, Former Faculty Member  Mr LS Badhri Narayanan, Former Research Scholar	Laboratory Scale Invertible and Constant Flow Resin Column	396960 Patent granted on 17/05/2022																																												
<b>NPTEL CERTIFICATION – FACULTY</b>																																															
	<table border="1"> <thead> <tr> <th>S.NO</th><th>FACULTY MEMBER</th><th>PROGRAMME DETAILS</th><th>DURATION</th></tr> </thead> <tbody> <tr> <td>1</td><td>Mr. N. ArunPremAnand</td><td>Transport Phenomena</td><td>12 Weeks</td></tr> <tr> <td>2</td><td>Dr.D.Swaminathan,ASP</td><td>Bioreactors</td><td>4 Weeks</td></tr> <tr> <td>3</td><td>Ms.S.Swathi,AP</td><td>Mechanical Operations</td><td>4 Weeks</td></tr> <tr> <td>4</td><td>Ms.S.Swathi,AP</td><td>Matlab Programming for Numerical Methods</td><td>8 Weeks</td></tr> <tr> <td>5</td><td>Ms.G.Thayanidhi,AP</td><td>Mechanical Operations</td><td>4 Weeks</td></tr> <tr> <td>6</td><td>Dr.M.YogeshKumar,AP</td><td>Matlab Programming for Numerical Methods</td><td>8 weeks</td></tr> <tr> <td>7</td><td>Mr.N.ArunPremAnand AP</td><td>Waste to Energy Conversion</td><td>8 Weeks</td></tr> <tr> <td>8</td><td>Dr.R. Palani,ASP</td><td>Waste to Energy Conversion</td><td>8 Weeks</td></tr> <tr> <td>9</td><td>Ms.S.Swathi,AP</td><td>Technical English for Engineers</td><td>8 Weeks</td></tr> <tr> <td>10</td><td>Ms.G.Thayanidhi,AP</td><td>Technical English for Engineers</td><td>8 Weeks</td></tr> </tbody> </table>			S.NO	FACULTY MEMBER	PROGRAMME DETAILS	DURATION	1	Mr. N. ArunPremAnand	Transport Phenomena	12 Weeks	2	Dr.D.Swaminathan,ASP	Bioreactors	4 Weeks	3	Ms.S.Swathi,AP	Mechanical Operations	4 Weeks	4	Ms.S.Swathi,AP	Matlab Programming for Numerical Methods	8 Weeks	5	Ms.G.Thayanidhi,AP	Mechanical Operations	4 Weeks	6	Dr.M.YogeshKumar,AP	Matlab Programming for Numerical Methods	8 weeks	7	Mr.N.ArunPremAnand AP	Waste to Energy Conversion	8 Weeks	8	Dr.R. Palani,ASP	Waste to Energy Conversion	8 Weeks	9	Ms.S.Swathi,AP	Technical English for Engineers	8 Weeks	10	Ms.G.Thayanidhi,AP	Technical English for Engineers	8 Weeks
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		11	Ms.S.Swathi,AP	Laws of Thermodynamics	4 Weeks	
		12	Ms.G.Thayanidhi,AP	Laws of Thermodynamics	4 Weeks	
		13	Ms.A.C.Vijayalakshmi, AP	Programming for everybody (getting started with Python)	4 Weeks	
	Grants fetched  (Last three Academic years 2022-23,2021-22 and 2020-21)	<b>Completed Project:</b>  <b>Name of the project:</b> Design of low-cost carbon absorbers to control the emission of carbon-di-oxide from the environment. Completed on 30th June 2022. <b>Funding Agency:</b> TNSCST <b>Period and amount sanctioned:</b> 3 months & Rs.7500 <b>Coordinators:</b> Mr. M. Ananda Boopathy  <b>Ongoing Project:</b> <b>Name of the project:</b> Process development and pilot scale demonstration for removal of metallic and other impurities from used pickle solution of SSTP <b>Funding Agency:</b> Board of Research in Nuclear Sciences (BRNS) <b>Period and amount sanctioned:</b> 3 years & 20.15 lakhs <b>Coordinators:</b> Dr. C. Anand Babu , Ms.S.Swathi, Dr N Meyyappan, Dr M Yogesh Kumar and Mr S Jai Ganesh.				
	Departmental Achievements  (Last three Academic years 2022-23,2021-22 and 2020-21)	Association of Chemical Technologist, IChE- SVCE Students chapter bagged “AMBUJA’S BEST STUDENTS CHAPTER AWARD”- FIRST PLACE in the Academic Year:2019-20 and SECOND PLACE in the Academic Year:2021-22. MoU Signed with IndCzech Engineering Private Limited,Chennai on 12-02-2020, Precision Equipments Chennai Private Limited, Chennai on 09-02-2022 and Kothari Petrochemicals Ltd., (KPL) Chennai on 21-02-2023.				

	<p><b>Consultancy Activities:</b></p> <p>Dr.N.Meyyappan,HOD/CHE, Mr.S.Jai Ganesh received Rs.1.42 Lakhs from Thirumalai Chemicals,Ranipet for consultancy and advisory service.</p> <p>Dr.N.Meyyappan,HOD/CHE,Mr.S.Jai Ganesh ,AP and Mr.N.Arun Premanand ,AP received Rs.38,950 from IndCzech Engineering Private Limited, Chennai for consultancy and advisory service.</p> <p>Dr.N.Meyyappan,HOD/CHE,Mr.S.Jai Ganesh ,AP and Mr.N.Arun Premanand ,AP received Rs.2.95 Lakhs from M/s CREVAC TECH Private Limited, Chennai for consultancy and advisory service.</p>		
Distinguished Alumni	<b>S.No</b>	<b>Name of the alumni</b>	<b>Current Position</b>
	1	Mr.Varun Mammen	Director Madras Rubber Factory, Chennai
	2	Mr.Perumal Arumugam	Programme Officer (Team Lead), Regulatory Development Unit (MRV) of SDM at UNFCCC,Germany.
	3	Dr. Prasad Ramachandran	Global Licensing & Technology Manager at BASF, Process Catalysts Frankfurt Am Main Area, Germany
	4	Mr.W.B.Santhosh	Senior Manager (Process & Mass transfer Division) Engineers India Limited, New Delhi
	5	Dr.Karthik Pushpavanam.	Assistant Professor, Chemical Engineering, Indian Institute of Technology Gandhinagar, Gujarat
	6	Mr.K.Vadivelan	DGM Operations, Ultramarine pigments, Ranipet.
	7	Mr.N.S.R Kishore	Partner, Ennor muds and Chemicals, Anna Nagar,Chennai.
	8	Ms. B V Piriavadhanaa	Directorate of Industrial Safety and Health, TN factory service,Chennai

**ANNEXURE - II**

1	Name of the Department	<b>Computer Science and Engineering</b>		
	Course	Bachelor of Engineering		
	Level	Under Graduate		
	1 <sup>st</sup> year of approval by the Council	1985		
		<b>2022-23</b>	2021-22	2020-21
	Year wise sanctioned intake	180	180	180
	Year wise actual admission	187	187	171
	Cut off marks – General quota	195.5	Max: 195.5 Min: 193.7	190
	% Students passed with First Class with distinction	90	58	70.5
	% Students passed with First Class	63	41	28.4
	Students placed	116	130	122
	Average Pay package, Rs/year	5.3Lakhs	5.00 lakhs	5.75 lakhs
	Students opted for Higher studies	32	30	25

Accreditation Status of the course	Accredited by NBA
Doctoral Courses	PhD( <i>Recognized as a Research Centre by Anna University, Chennai</i> )
Foreign collaborations, if any	-----
Professional Society Memberships	ISTE , ACM , CSI , IEEE, IAENG
Consultancy Services	<p><b>Name of the Organization:</b> Cameo Corporate Services Limited</p> <p><b>Year of Signing:</b> 2020</p> <p><b>Duration:</b> 24 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha</p> <p><b>Faculty coordinator:</b> Dr. T. Padmavathy</p> <p><b>Title of the project:</b> RPA to extract the information from Cheque Truncation System</p> <p><b>Nature of MoU:</b> Software Development on Robotic Process Automation (RPA) / Consultancy Work</p> <p><b>Amount (in Rs.):</b> 2,50000</p> <p><b>Name of the Organization:</b> ICT Academy-Palo Alto Networks</p> <p><b>Year of Signing:</b> 2021</p> <p><b>Duration:</b> 12 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha, Mr. R. Senthilkumar</p> <p><b>Nature of MoU:</b> Cybersecurity Courses</p> <p><b>Name of the Organization:</b> ICT Academy-AWS Educate</p> <p><b>Year of Signing:</b> 2021</p> <p><b>Duration:</b> 12 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha, Mr. R. Senthilkumar</p> <p><b>Nature of MoU:</b> Teaching and learning resources / Cloud computing Resources</p>

	<p><b>Name of the Organization:</b> M/s TICVIC Technologies Private Limited</p> <p><b>Year of Signing:</b> 2021</p> <p><b>Duration:</b> 36 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha, Ms.T.Padmavathy</p> <p><b>Nature of MoU:</b> Student Internships, Consultancy work and Certification Course – Hackathon was conducted and the Students are pursuing internship</p> <p>Name of the Organization: M/s. SM Enterprises India Pvt. Ltd.</p> <p>Title of the project: Police Training College Software-Module II</p> <p>Year of Signing: 2021</p> <p>Duration: 36 months</p> <p>Faculty In-charge: Dr. R. Anitha, Ms. S. U. Muthunagai</p> <p>Nature of MoU: Students Projects / In plant training / Internship to students / Joint Program for Workshop/ Technical Seminar/ Webinar and STTP</p> <p>Name of the Organization: M/s.Virtusa</p> <p>Year of Signing: 2021</p> <p>Duration: 36 months</p> <p>Faculty In-charge: Dr. R. Anitha, Dr.P.Geetha in association with SVCE Placement Cell signed MoU.</p> <p>Nature of MoU: Industry oriented course will be offered in MS Azure.</p>
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Recognized Supervisors	<b>S.No</b>	<b>Name of the Supervisor</b>	<b>Supervisor ID</b>	<b>Faculty Department</b>
	1	Dr.R.Anitha	2640022	Faculty of Information and Communication Engineering
	2	Dr.J.M.Gnanasekar	2740133	Faculty of Information and Communication Engineering
	3	Dr.Rajganesh Nagarajan	3340056	Faculty of Information and Communication Engineering
	4	Dr. P. Vinothiya lakshmi	4040028	Faculty of Information and Communication Engineering
	5	Dr. M.S Girija	4140206	Faculty of Information and Communication Engineering

<p>Events Organized by the Departments (Conferences / Workshops / FDPs etc.)</p>	<ol style="list-style-type: none"> <li>1. Ms. S. U. Muthunagai, Assoc. Prof. /CS, Dr. M. S. Girija, Ms. S. Poorani, Ms. R. Iyswarya, Ms. Rupa Kesavan, AP/CS, organized a five days STTP on "Future Technologies: Insights and Challenges" from 20th February to 24th February 2023.</li> <li>2. Dr. R. Anitha, Professor &amp; Head / CSE and Dr.T.Padmavathy,ASP/CSE, organized a Two Days workshop on "Readiness for the Emerging Technologies" from 12/01/2023 to 13/01/2023, conducted for the Supporting staff of Computer Science and Engineering. Venue : CSE Department Library.</li> <li>3. Dr. R. Anitha, Prof. &amp; Head and Ms. S. Poorani, has successfully coordinated and completed the course - PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP Course - Naalaiya Tiran Project 2022.</li> <li>4. Dr. P. Vinothiyalakshmi, ASP/CSE, Dr P Geetha, AP/CSE, Ms. R. K. Kapilavani, AP/CSE, has organized 3-Day workshop on Machine Learning by the Department of Computer Science and Engineering , Sri Venkateswara College of Engineering from 14/11/22 to 16/11/22.</li> <li>5. Ms. Ajoe Sweetlin Jeena A, AP/CSE, Ms. Shobanjaly P. Nair, AP/CSE, Ms. Uma. P, AP/CSE, Dr. S D Nandakumar, AP/CSE has organized 2-Day workshop on "Innovative mindset on Robotics and CyberSecurity" given by Mr. Harish Rammohan, Quality Assurance Engineer, Mando American Corporation, Detroit, Michigan, Dr. Ezhilvanan B, Founder and CEO, VEI Technologies Pvt. Ltd., Chennai by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 15/11/22 to 16/11/22.</li> <li>6. Dr. P. Vinothiyalakshmi, ASP/CS, Mr. P. Selvamani AP/CSE arranged a Guest lecture on "8 Steps To Crack Top Paid Software Jobs in 2023-2025" given by Mr. Babu Narayanan Manickam, the CEO of Qeagle Assurance and TestLeaf Software Solutions, Chennai, during C2C club inauguration by the Department of Computer science and engineering at Sri Venkateswara college of engineering on 16/11/2022.</li> <li>7. Ms. G. Janakasudha, AP/CSE, Mr. K.Srinivasan, AP/CSE and Ms. R. Iyswarya, AP/CSE, arranged a Guest lecture on "Cyber Forensics" given by Mr. Jothi Gouthaman, Director - Cloud Reliability Engineering, Accenture during ACE club inauguration by the Department of Computer Science and Engineering at Sri Venkateswara College of Engineering on 18/11/2022.</li> <li>8. Ms. R. Poorni, AP/CSE, Ms. Ajoe Sweetlin Jeena, AP/CSE, has organized 2 Days Technical workshop on "Classifier Models in Data Mining", from 28/10/2022 to 29/10/2020.</li> <li>9. Mr. Lakshmanan M, AP/CSE, Mr. Gnanavel R, AP/CSE, Mr. Vibith A S, AP/CSE organized One day online Guest Lecture on "Security Concerns in Internet of Things in Cloud (IoTC)", from 20/10/2022.</li> <li>10. Mr. K. Srinivasan, AP/CSE, Ms. G. Janaksudha, AP/CSE, Ms. A. Ajoe</li> </ol>
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Sweetlin Jeena, AP/CSE, on behalf of the Association of Computer Engineers, Department of Computer Science, SVCE, conducted a Workshop on Data Science held on 28th September, 2022 by Mr. N. Santhosh, Senior Mentor for Data Science at GUVI GEEK NETWORK Pvt. Ltd., IITM Research Park, Chennai.

11. Ms. G. Janakasudha, AP/CSE, on behalf of the Music Club, SVCE, conducted the Inauguration Ceremony of music club for the Academic year 2022-23 held on 26th September, 2022 at the Library Seminar Hall.

### Foreign Delegates Visit

1. Dr. R. Anitha, Prof & HoD/CSE, Ms. S. Rajalakshmi, AP/CSE, Ms. J. Buvana, AP/CSE arranged a Guest Lecture on "Augmented Reality and Virtual Reality". The lecture was handled by Shyamsundar Krishnamurthi SMC, Chief Customer Officer vy. ventures|Visionary|Client Engagement Santa Clara, California, United States (Alumni of SVCE: 1985-1989, ECE). <https://www.linkedin.com/in/shyamsundar-krishnamurthismc@-39bb005>. Venue: CSE Department Library, SVCE

### Patent Filed and Published

1. **Dr. R. Anitha, Prof./ CSE, Ms. Rupakesavan, AP/ CSE, Ms. S Poorani, AP/ CSE, Ms. VP. Nivedita, IV/ CS, Mr. B Sudarshan, IV/ CS, Ms. Neha Bhende, III/ CS, and Ms. G Subasri, III/ AD** have published a patent titled "*IoT BASED SMART SYSTEMS USING ML AND AI VULNERABILITIES AND INTELLIGENT SOLUTIONS*", in IPR, Chennai and it is published in the Patent Office Journal. Application No. : 202241070181 A, Published on 09 / 12 / 2022.
2. **Ms. S. Rajalakshmi, Associate Professor/ CSE, Ms. J. Buvana AP/ CSE, Ms. R. Gayathri, AP/ CSE, Dr. N. Revathi, Associate Professor/ CSE**, filled an Indian patent titled "A Modern Digital Framework for Cities Based on Block Chain and Fog Computing Technologies", on 16 / 12 / 2022 .
3. **Ms. Rupa Kesavan AP/ CSE**, published an Indian patent titled "Solar Forecasting Methods For Renewable Energy Integration Performance Towards Industry Standards", in IPR Chennai and the same was published in the Patent Office Journal. Application No 202241067474 A INDIA, Date of filing of Application : 24 / 11 / 2022 . Publication Date: **02 / 12 / 2022** .
4. Mr. P. R. Venkat, II Year ADS, Department of Computer Science and Engineering, Mr. S. Subburaj , Dr. D. Vinodha, AP/CSE , Dr. E. A Mary Anita , **Ms. T. Padmavathy**, AP/CSE, Dr. A. K. Sujatha , Dr. J Jenefa, Dr. R. Barona, Ms. S. Sajini, published a patent titled "A Low cost and High Actuation Speed 3D Printed Prosthetic Arm", on 2.9.2022.
5. Ms. V. RAJALAKSHMI, Assoc. Prof. /CS, Ms. G. R.

KHANAGHAVALLE, Asst Prof/CS, Dr.R.JAYABHADURI, Prof. /CSE, Mr. B. DIVYAMSH, III/AD, Mr. R. IYYAPPAN, III/AD, and Mr. S. NANDA KUMAR, III/AD published a patent titled "IOT Based WiFi Enabled Smart Gardening System" in IPR on 10/02/2023.

### Consultancy Completed

**Dr. R. Anitha, Prof & HoD/CSE and Ms.S.Senthamizh Selvi, AP/CSE** successfully completed and submitted the Closure report for the funded Project sanctioned by AICTE under RPS scheme worth Rs. 9.73 Lakhs. Closure report accepted by AICTE. Presentation was given to AICTE on 12.10.2022

### Projects submitted to Funding Agencies

Sl. No.	Name of the Faculty / Student	Research topic	Amount
1.	Dr N Rajganesh	An Intelligent Agent based Cloud Assisted Smart HealthcareSystem for Disease Diagnosis, Treatment and Emergency RescueServices for Elderly People having Chronic Diseases	26,15,938
2.	N Revathi G Sumathi	Energy-Efficient Runtime Thread Mapping and Therma Management on Heterogeneous Chip Multiprocessors	25.38 L
3.	S.Poorani	Prediction of tensile strength of Cold metal transfer Robotic welded P91 steel joints by adaptive neuro-fuzzy inference system (ANFIS) and neural networks.	5

		4.	Dr. R. Anitha, Madhu C, Roshini K T, Kishore Kumar K	Early Detection and Classification of Pneumonia using Deep Convolutional Neural Network Model from Chest Xray Images during COVID-19	10000
		<p><b>Intramural Funds Received</b></p> <p>1) Final year UG project Work “Image Processing-Based Machine Vision System For Datum Setting In Computer Numerical Control (CNC) Machine” mentored by <b>Dr.R.Jayabhaduri, Professor/CSE</b> for the team comprising <b>Ms. Sadana U, Mr. B. Sathyavarthan and Ms. Shivaneer Ramesh, IV/CS</b>, has been selected for Intramural Funding for an amount of Rs.10,000/- for the Academic Year 2022- 2023.</p> <p>2) <b>Ms. Sai Madhuree Gopavaram, IV/CS</b>, UG project titled "Credit Card Fraud Detection System in Banking using ML and DL Algorithms" was selected for Intramural grant with cash Rs.10,000/- for the Academic Year 2022-2023 under guidance of <b>Dr. P. Vinothiyalakshmi, Assoc. Prof. /CSE</b>.</p> <p><b>Book Chapters Published</b></p> <p>1) <b>R. Anitha, Ms. S. U. Muthunagai, Dr. M. S. Girija, R. Iyswarya, S. Poorani</b>, published a book chapter titled "Crowd Density Estimation Using Neural Network for COVID-19 and Future Pandemics", in Kanagachidambaresan, G.R., Bhatia, D., Kumar, D., Mishra, A. (eds) System Design for Epidemics Using Machine Learning and Deep Learning. Signals and Communication Technology. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-19752-9_15">https://doi.org/10.1007/978-3-031-19752-9_15</a>.</p> <p>2) <b>R. Anitha, Ms. Rupa Kesavan, S. Poorani, R. Iyswarya, Ms. S. U. Muthunagai</b>, published book chapter titled "Convergence Perceptual Model for Computing Time Series Data on Fog Environment", in Kannan, R.J, Thampi, S.M., Wang, SH. (eds) Computer Vision and Machine Intelligence Paradigms for SDGs. Lecture Notes in Electrical Engineering, vol 967. Springer, Singapore. DOI:<a href="https://doi.org/10.1007/978-981-19-7169-3_2">https://doi.org/10.1007/978-981-19-7169-3_2</a>.</p> <p>3) <b>T.Padmavathy</b>, Dr.C.Muralidharan and Dr.Y.Mohmed Sirajudden published a Book Chapter " Cloud Based Industrial IoT to Facilitate</p>			

Efficient Data Analytics" in the book " Cloud Analytics for Industry 4.0" , De Gruyter, Oct.2022, Vol.6, pp.31-51. DOI - <https://doi.org/10.1515/9783110771572-003> ,ISBN - 9783110771572.

### **No. of Papers published in Journal**

10. **Dr. R. Anitha, Prof. & Head/CSE, Ms. S. U. Muthunagai, Assoc. Prof. /CSE**, "CTS-IIoT: Computation of Time Series Data During Index Based De-duplication of Industrial IoT (IIoT) Data in Cloud Environment", Wireless Personal Communication, DOI: <https://doi.org/10.1007/s11277-022-10105-5>, November 2022.
11. **Dr. R. Anitha, Ms. S. Senthamizh Selvi**, ( 2022 ), Bilingual Corpus- based Hybrid POS Tagger for Low Resource Tamil Language: A Statistical approach, Journal of Intelligent and Fuzzy Systems, August 2022 , Impact factor: 1 . 737 .
12. **Dr. P. Janarthanan**, V Murugesh, N Sivakumar and Manoharan, "An Efficient Face Detection and Recognition System Using RVJA and SCNN" in Mathematical Problems in Engineering. (SCI Indexed, Impact factor: 1.430) DoI : <https://doi.org/10.1155/2022/7117090>. 2022.
13. Bhuvaneswari R, **Rajalakshmi S**, Gurumoorthy G, Balaji A, Bhavya S, Dharan S, "BEAN LEAF DISEASE CLASSIFICATION USING MOBILENET", International Journal of Current Engineering And Scientific Research (IJCESR), Volume-9, Issue11, ISSN (Online): 2394-0697, ISSN (Print): 2393-8374, DOI:10.21276/ijcesr, (Impact Factor - 2.72)
14. Kalaiarasi Governor, Padmavathy Ramanujam, Suja Cherukullapurath Mana, **Geetha Perumal**, "Near duplicate detection of images with area and proposed pixel-based feature extraction", Concurrency and Computation Practice and Experience, Online ISSN:1532-0634, ISSN: 1532-0626, Wiley Publications, (Impact factor: 1.831)
15. **P Geetha**, "Near duplicate detection of images with area and proposed pixel-based feature extraction", Concurrency and Computation Practice and Experience, Online ISSN:1532-0634, ISSN: 1532-0626, Wiley Publications. (Impact factor: 1.831). 2022.
16. **Rupa Kesavan**, published a paper title "Brain tumor identification using data augmentation and transfer learning approach", Computer Systems Science and Engineering, vol. 46, no.2, pp. 1845-1861, 2023 <https://doi.org/10.32604/csse.2023.033927> in Web Of Science with an Impact Factor 4.397.

17. **Ms. P. Uma**, ( 2022 ), " Automated Helpdesk Using Supervised Learning", Journal of Advances in Computational Intelligence Theory, HBRP Publication, Volume 4 , Issue 3 , December 22 .
18. **Ms. P. Uma** , ( 2022 ), " Embedded AI application in Defense UAV", Journal of Advances in Computational Intelligence Theory, HBRP Publication, Volume 4 , Issue 3 , December 22 .

### **No. of Papers Presented in Conferences**

14. **Anitha, and Ms. S. Poorani** presented paper titled " A Cognitive Distortion based BB 84 protocol for Data Transmission in Intelligent System", in the 6 th International Conference on Electronics, Communication and Aerospace Technology [ ICECA] on 1 - 3 December 2022 in RVS Technical Campus, Coimbatore. Paper is published in IEEEExplore - Scopus indexed journal.
15. **Rupa Kesavan**, presented a paper at IEEE Madras Section Technical sponsored ICCPC`22 Conference on Paper Titled " Implementation of PV based Solar Water Cooler With Enhanced Chiller Performance Using Peltier Module", Jan 2023 .
16. **Geetha, R. K. Kapilavani, Vinodha**, presented a paper titled " Biometric masking to re- establish the database through watermarking with Distortion Control", in 5 th International Conference on Communication and Computational Technologies ( ICCCT 2023 )" held on January 28 - 29 , 2023.
17. **R. Gnanavel and J. M. Gnanasekar**, presented a paper titled " A Conceptual Overview on Earlier Methodologies Focused on Stock Price Prediction", in 5 th International Conference on Smart Systems and Inventive Technology ( ICSSIT 2023 ) held in Francis Xavier Engineering College, Tirunelveli, India on 23 rd to 25 th, January 2023 .
18. **M. Lakshmanan** and G. S. Anandha Mala, presented a paper titled " Augmented Random Search based Autonomous Driving System", in 5 th International Conference on Smart Systems and Inventive Technology ( ICSSIT 2023 ) held in Francis Xavier Engineering College, Tirunelveli, India on 23 rd to 25 th, January 2023 .
19. Oviya G, Kishore M, Pradeep S, **Poorani S, Anitha R** presented a paper titled " Advanced Semiconductor Classifiers using Machine Learning Techniques" on AICTE sponsored International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering ( ICECONF - 2023 ) organized by St. Joseph' s Institute of Technology Chennai, held on 05 - 07 January 2023 .
20. **R. Anitha, S. Senthamizh Selvi**, ( 2022 ), Computer Assisted Learning System for the Tamil Grammar Punarial, 21 st Tamil

	<p>Internet Conference, Tamil University, Thanjavur on 15<sup>th</sup> to 17<sup>th</sup> Dec 2022 .</p> <p>21. <b>S. Poorani, R. Anitha</b> , ( 2022 ), “ A Cognitive Distortion( CD) based protocol for secured data transmission in intelligent system”, in 6<sup>th</sup> International Conference on Electronics, Communication and Aerospace Technology ( ICECA 2022 ) organized by RVS Technical Campus, Coimbatore, Tamilnadu held on 1 - 3 December 2022 .</p> <p>22. Mr. K. Praveen Kumar ( IV/ CS), Sankar Lal T E ( IV/ CS), Shashwanth S ( IV/ CS), <b>S. Poorani, R. Anitha</b>, ( 2022 ), " GPS and QR based Vehicle Tracking System", in Two days International Conference on “ Digital Archiving and Presentation on Cultural Heritage of India” organized by AMET University, Chennai held on 8 - 9 December 2022 .</p> <p>23. Mr. Pradeep S ( IV/ EC), Kishore M ( IV/ EC), Oviya G( IV/ EC), <b>S. Poorani, R. Anitha</b>, ( 2022 ), " XGBoost based Prediction and Evaluation model for Enchanting Subscribers in Industrial sector", in the 4<sup>th</sup> International Conference on Computing Communication and Cyber Security ( IC 4 S 2022 ) organized by IEI Delhi India held on 16 - 17 December 2022 .</p> <p>24. <b>M. Lakshmanan</b>, has presented a paper titled " Emotional Analysis Through Deep Learning Models", in 3<sup>rd</sup> international conference on smart technologies in computing electrical and electronics, held at REVA University during 16 . 12 . 2022 to 17 . 12 . 2022 .</p> <p>25. <b>R. Anitha, S. Poorani</b>, “Fruit Classification in Convolution Neural Networks” International Conference on Automation, Signal Processing, Instrumentation and Control (iCASIC 2022) Organized by School of Computer Science and Engineering Taylor’s University, Malaysia &amp; School of Electrical Engineering Vellore Institute of Technology Vellore, India”, iCASIC 2022 on 29<sup>th</sup> November 2022.</p> <p>26. Akshaya M, Aiswarrya B, <b>Muthunagai S U, Anitha R</b>, “Secured Data Retrieval from large database Using Transfer Learning”, NCITECC’22, October 2022.</p> <p><b>No. of faculty members attended Seminars / FDPs / STTP</b></p> <p><b>1) Dr.R.Anitha, Prof. &amp; HoD/CS attended</b></p> <p>h) 5 Days Online STTP on "Future Technologies: Insights and Challenges” conducted by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Sriperumbudur from 20<sup>th</sup> February to 24<sup>th</sup> February 2023.</p> <p>i) one day workshop on IP Awareness/Training program under</p>
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	<p>National Intellectual Property Awareness Mission on 30th January 2023, conducted by National IP Awareness Mission, Government of India, Ministry of Commerce and Industry, Intellectual Property India in association with RGNIIPM, Nagpur.</p> <p>j) Three Faculty Development Program on “Capacity Building for Productivity Enhancement”, organized by “The Art of Living” at Sri Venkateswara College of Engineering from 09.01.2023 to 11.01.2023.</p> <p>k) AICTE Sponsored Workshop on "Gender Audit in Higher Education Institutions: The Why and How?" under the Distinguished Chair Professor Scheme organized by Sri Venkateswara College of Engineering on 27th and 28th January 2023.</p> <p>l) Online Workshop on Intellectual Property Right (IPR) &amp; Patents and Design filing" conducted by Institution Innovation Council (IIC-SVCEKAPILA SCHEME) of Sri Venkateswara College of Engineering in association with Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Government of India, Nagpur on 30th January 2023.</p> <p>m) Two-day National Level Seminar on “NAAC – Revised Assessment and Accreditation Framework” in academic collaboration with NAAC organized by IQAC, SVCE on 24th and 25th November 2022.</p> <p>n) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>o) One-day Guest Lecture on “Security Concerns in Internet of Things in Cloud (IoTC)” conducted by department of Computer Science and Engineering, SVCE on October 18, 2022.</p> <p>p) Two-day Workshop on “EAT, TSA, GNA &amp; SNA in PFMS E-Governance” conducted by SVCE on 31.10.22 &amp; 01.11.2022.</p> <p><b>2) Dr. J. M. Gnanasekar, Prof/CSE, attended</b></p> <p>q) A workshop on "One API Toolkit" conducted by that will be conducted by Sri Venkateswaraa College of Technology, in association with Intel and Boston, on 24th February 2023.</p> <p>r) Three Faculty Development Program on “Capacity Building for Productivity Enhancement”, organized by “The Art of Living” at Sri Venkateswara College of Engineering from 09.01.2023 to 11.01.2023.</p> <p><b>3) Dr. P. Janarthanan, Prof/CSE, attended</b></p> <p>s) AICTE Sponsored Workshop On "Gender Audit In Higher Education: The Why And How", at Sri Venkateswara College of Engineering from 27.01.2023 to 28.01.2023.</p>
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	<p>t) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>4) Dr. Rajganesh N, ASP/CSE, attended</b></p> <p>a) Seminar on NAAC – Revised Assessment and Accreditation Framework, organized by IQAC, SVCE from 24.11.2022 to 25.11.2022.</p> <p>b) "Train The Trainer - Container Concepts" during 09.20.2023 to 20.02.2023.</p> <p><b>5) Dr. Revathi, ASP/CSE, attended</b></p> <p>a) National level seminar on NAAC-Revised Assessment and Accreditation Framework in collaboration with NAAC on 24th and 25th November 2022, which was held at SVCE.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>c) Two-day workshop on “EAT, TSA, CNA &amp; SNA IN PFMS E-GOVERNANCE” held at SVCE on 31st Oct 2022 and 1st November 2022.</p> <p>d) Four-day workshop on "Walk through from AI and ML to XAI" organized by the Department of Information Technology, SVCE from 26th Oct 2022 to 29th Oct 2022.</p> <p><b>6) Dr. Vinothiyalakshmi P, ASP/CSE, attended</b></p> <p>a) Three-day FDTP on “Internet of Things(IoT) and Cloud interface”, held from 21/11/22 to 23/11/2023, St. Joseph’s Institute of Technology, Chennai.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>c) Two-day Workshop on “Classifier Models in Data Mining”, held from 28/10/22 to 29/10/2022, Sri Venkateswara College of Engineering, Chennai.</p> <p>d) "IP Awareness training programme" under National Intellectual Property Awareness Mission on 30th January 2023.</p> <p><b>7) Dr. T. Rajasekaran, ASP/CSE, , attended</b></p> <p>u) Six day FDP "Hands on Training on Data Science Tools" in association with ISTE" from 23-01-2023 to 28-01-2023.</p> <p>v) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p>
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	<p>w) One Day online Guest Lecture on “Security Concerns in Internet of Things in Cloud (IoTC)” organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering held on 20th OCT 2022. Dr. T. Rajasekaran, ASP/CSE, Attended Industrial Training Program on AI &amp; ML organized by Wipro Talentnext during 31-10-2022 to 04-11-2022</p> <p>x) Six day FDP "Platforms and System Security in Cyber Space", organized by VNR Vignana Jothi Institute of Engineering and Technology" from 30-01-2023 to 04-02-2023.</p> <p><b>8) Dr. B. Praveen Kumar, ASP/CSE, attended</b></p> <p>a) Jury member in the Second edition of iCUBE, a National level Technical event organized by The Students’ Council in Association with SVCE Science Club, from 17.11.2022 to 18.11.2022.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>c) One Day online Guest Lecture on “Security Concerns in Internet of Things in Cloud (IoTC)” organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering held on 20th OCT 2022.</p> <p><b>9) Dr. Padmavathy T, ASP/CSE, attended</b></p> <p>a) One day Faculty Development Programme titled “Shift Innovation Resilient Strategies for Academics” held on 21/02/2023, conducted by Department of information Technology,SVCE.</p> <p>b) “One week Workshop on Tamil Language” , conducted by SVCE from 07/11/2022 to 11/11/2022.</p> <p>c) Jury member in the Second edition of iCUBE , a National level Technical event organized by The Students’ Council in Association with SVCE Science Club, from 17.11.2022 to 18.11.2022.</p> <p>d) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>e) Five days online FDP on “Machine Learning for multidisciplinary fields” from 27.10.2022 to 31.10.2022 organized by the Department of Data Science and Business systems SRM in association with RAISE center of excellence powered by MIT square London.</p> <p><b>10) Mrs.S.Rajalakshmi, ASP/CSE, attended</b></p> <p>y) 5 Days Online STTP on "Future Technologies: Insights and Challenges” conducted by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering,</p>
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	<p>Sriperumbudur from 20th February to 24th February 2023.</p> <p>z) FDP on "Advanced Green Computing Technology in Healthcare", conducted by IEEE Student Branch, Saveetha Engineering College, Chennai from 26/12/2022 to 30/12/2022.</p> <p>aa) 30 day Masterclass training program on "Java Full Stack Development", Pantech e Learning Pvt Ltd, Chennai during the period 10.12.2022 to 10.01.2023.</p> <p>ab) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>ac) Four days workshop on "Walk through from AI and ML to XAI" conducted by Dept. of INT, SVCE from October 26, 2022 to October 29, 2022.</p> <p><b>11) Ms. S. U. Muthunagai, ASP/CSE, attended</b></p> <p>a) One Week Online Short Term Faculty Development Program on "Ethics in Academic Research Writing" from 30th January 2023 to 4th February 2023.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>12) Mr. M. Suresh Kumar, ASP/CSE, attended</b></p> <p>ad) Six day FDP "Hands on Training on Data Science Tools" in association with ISTE" from 23-01-2023 to 28-01-2023.</p> <p>ae) One week FDP on "Data Science for Engineers" at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad during 23.01.2023 to 28.01.2023.</p> <p><b>13) Ms. Janakasudha, AP/CSE, attended</b></p> <p>a) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>14) Ms. Buvana J, AP/CSE, attended</b></p> <p>af) International FDP on "Artificial Intelligence in Health care" organized by the Department of Electronics and Instrumentation Engineering, EASWARI ENGINEERING COLLEGE(AUTONOMOUS), Chennai from 24.01.2023 to 31.01.2023.</p> <p>ag) 30 days Masterclass training program on "Java FullStack Development", Pantech e Learning Pvt Ltd, Chennai during the period 10.12.2022 to 10.01.2023.</p> <p>ah) One</p>
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	<p>day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>ai) Four days workshop on "Walk through from AI and ML to XAI" conducted by Dept. of INT, SVCE from October 26, 2022 to October 29, 2022.</p> <p><b>15) Ms. Poorani S, AP/CSE, attended</b></p> <p>aj) One day workshop on IP Awareness/Training program under National Intellectual Property Awareness Mission on 30th January 2023, conducted by National IP Awareness Mission, Government of India, Ministry of Commerce and Industry, Intellectual Property India in association with RGNIPM, Nagpur</p> <p>ak) Five days FDP on Industry 4.0 organized by the Department of Information Technology from 5/12/2022 to 09/12/2022 at Easwari Engineering College, Chennai.</p> <p>al) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>16) Ms. Iyswarya R, AP/CSE, attended</b></p> <p>am) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>an) One Week Online Short Term Faculty Development Program on "Ethics in Academic Research Writing" from 30th January 2023 to 4th February 2023.</p> <p>ao) One day workshop on IP Awareness/Training program under National Intellectual Property Awareness Mission on 30th January 2023, conducted by National IP Awareness Mission, Government of India, Ministry of Commerce and Industry, Intellectual Property India in association with RGNIPM, Nagpur</p> <p><b>17) Mr. Senthil Kumar R, AP/CSE, attended</b></p> <p>a) 5 Days FDP on Power BI Data Analyst Associate conducted by ICT Academy from 30/08/2022 to 05/09/2022.</p> <p>b) Two Day Workshop on "Innovative Mindset Using Robotics &amp; Cyber Security" organized by SVCE held on 15/11/22 to 16/11/22.</p> <p>c) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>d) Workshop on "Train The Trainer - Linux Commands, Windows Services, SQL Queries", Organized by Worldline India Pvt. Ltd during</p>
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	<p>7th February to 28th February.</p> <p>e) 5 Days Online STTP on "Future Technologies: Insights and Challenges" conducted by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Sriperumbudur from 20th February to 24th February 2023.</p> <p><b>18) Mr. P. Selvamani, AP/CSE, attended</b></p> <p><b>ap)</b> Six day FDP "Hands on Training on Data Science Tools" in association with ISTE" from 23-01-2023 to 28-01-2023.</p> <p>aq) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>ar) Seven days Online ATAL FDP on "IoT for Precision Agriculture and Transportation" from 28th January to 3rd February 2023, organized by Government College of Engineering, Thanjavur.</p> <p><b>6) Mr. Srinivasan, AP/CSE, attended</b></p> <p>a) One day Industrial visit to Indian space Research Organization (ISRO), Bangalore was organized by Department of Computer Science &amp; Engineering on 06/09/2022. It was a full day visit by students of III/CS along with 4 faculty members.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>c) 5 Day FDP on "Cloud Essentials" at Anna University, Chennai from 8.10.2022 to 12.10.2022.</p> <p><b>7) Dr. Girija, AP/CSE, attended</b></p> <p>a) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>b) One Week Online Short Term Faculty Development Program on "Ethics in Academic Research Writing" from 30th January 2023 to 4th February 2023.</p> <p>c) One day FDP on "Shift Innovation Resilient Strategies for Academics", organized by Department of IT, SVCE on 21st February 2023</p> <p><b>8) Ms. Radha V, AP/CSE, attended</b></p> <p>a) Five days online FDP on "Cyber security-An insight and Practical Approach" conducted by the Department of CSE ,SSN College of Engineering, Chennai during the period 30th January 2023 to 2nd</p>
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	<p>February 2023.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>9) Ms. Rupa Kesavan, AP/CSE, attended</b></p> <p>a) Five days workshop on Industry4.0 from 5/12/2022 to 9/12/2022 at Easwari Engineering College Chennai.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>10) Dr. Vinodha D, AP/CSE, attended</b></p> <p>a) Six days online FDP on "Cloud Computing and its Applications" organized by Department of Computer Science and Engineering held from 28-11- 2022 to 3-12-2022 at G. PULLA REDDY ENGINEERING COLLEGE (Autonomous), Kurnool.</p> <p>b) 11 days online ATAL FDP(Hybrid mode) on " Biosignal Processing using AI Biomedical Engineering" organized by Department of Biomedical Engineering held from 02-02-2023 to 07-02-2023, 17-02-2023 to 21-02-2023 at AGNI COLLEGE OF TECHNOLOGY,Chennai.</p> <p>c) Two days online workshop on "Linear Algebra for Computer Science and Machine Learning" on 19/11/2022 and 20/11/2022 organized by NPTEL.</p> <p><b>11) Dr. Geetha P, AP/CSE, attended</b></p> <p>a) National Level two day workshop on "A pathway to Industry Readiness, Innovation and Patent" organized by Academic2IT, Chennai during the period 04-01- 2023 to 05-01-2023.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>12) Ms Kapilvani R, AP/CSE, attended</b></p> <p>a) National Level two day workshop on "A pathway to Industry Readiness, Innovation and Patent" organized by Academic2IT, Chennai during the period 04-01-2023 to 05-01-2023.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>13) Ms. G.R. Khanaghavalle, AP/CSE, attended</b></p> <p>a) One day Workshop on "IP Awareness/Training program" organized by Intellectual Property Office, India on 02/11/22.</p>
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		<p><b>14) Ms. Padmavathy T, AP/CSE, attended</b></p> <p>a) 5 Days Online STTP on "Future Technologies: Insights and Challenges" conducted by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Sriperumbudur from 20th February to 24th February 2023.</p> <p><b>15) Ms. Janani, AP/CSE, attended</b></p> <p>a) 5 Days Online STTP on "Future Technologies: Insights and Challenges" conducted by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Sriperumbudur from 20th February to 24th February 2023.</p> <p><b>16) Ms. YuvaPrabha, AP/CSE, attended</b></p> <p>a) One day Industrial visit to Indian space Research Organization (ISRO), Bangalore was organized by Department of Computer Science &amp; Engineering on 06/09/2022.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>17) Ms. Kiruthiga, AP/CSE, attended</b></p> <p>a) One day Industrial visit to Indian Space Research Organization (ISRO), Bangalore organized by the Department of Computer Science &amp; Engineering on 06/09/2022.</p> <p>b) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p><b>18) Dr. S. D. Nandakumar, AP/CSE, attended</b></p> <p>a) 5 Days Online STTP on "Future Technologies: Insights and Challenges" conducted by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Sriperumbudur from 20th February to 24th February 2023.</p> <p>b) FDP on Innovation in Recent Trends in Computing, JIS University, Kolkata from 28/11/2022 to 02/12/2022.</p> <p>c) One day online Guest Lecture on "Security Concerns in Internet of Things in Cloud (IoTC)" on 20/10/2022, conducted by Department of CSE, SVCE.</p> <p>d) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>e) One day online Guest Lecture on "Security Concerns in Internet of Things in Cloud (IoTC)" on 20/10/2022, conducted by Department of CSE, SVCE.</p>
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		<p><b>19) Ms.R.Poorni, AP/CSE, attended</b></p> <p>a) FDP organized by Intellectual Property Office, India on “National Intellectual Property Awareness Mission” on 11/10/2022. Ms.</p> <p>b) Guest lecture on “Security Concerns in Internet of Things in Cloud (IoT)” on 20/10/2022.</p> <p>c) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>d) FDP organized by Intellectual Property Office, India on “National Intellectual Property Awareness Mission” on 11/10/2022.</p> <p>e) Guest lecture on “Security Concerns in Internet of Things in Cloud (IoT)” on 20/10/2022.</p> <p><b>20) Mr. Vibith A S, AP/CSE, attended</b></p> <p>a) Workshop on Academic Research and Publication in High Quality Journals, organized by Centre for Research and University Library, Anna University on 20/12/2022.</p> <p>b) Two days Workshop on “Classifier models in data mining” on 28/10/2022 – 29/10/2022.</p> <p>c) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>d) Two days Workshop on “Classifier models in data mining” on 28/10/2022 – 29/10/2022.</p> <p><b>21) Ms. P. Uma, AP/CSE, attended</b></p> <p>a) Five days International FDP on Innovation in Recent Trends in Computing organized by Department of Computer Science &amp; Engineering, JIS University, Kolkata, from 28/11/2022 to 02/12/2022.</p> <p>b) Two-day Technical Workshop on “Classifier Models in Data Mining” at Sri Venkateswara College of Engineering from 28.10.2022 to 29.10.2022</p> <p>c) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>d) Two-day Technical Workshop on “Classifier Models in Data Mining” at Sri Venkateswara College of Engineering from 28.10.2022 to 29.10.2022</p> <p><b>22) Ms. Shobhanjaly P Nair, AP/CSE, attended</b></p>
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	<p>a) One Week International FDP on Innovation in Recent Trends in Computing from 28.11.2022 to 02.12.2022.</p> <p>b) 2 days Online workshop on “Classifier Models in Data Mining” on 28th and 29th ,October, 2022 at Sri Venkateswara College of Engineering.</p> <p>c) One day webinar on “Blockchain Technology” organized by Oracle Academy on 13.10.2022.</p> <p>d) One day Webinar on “Security Concerns in Internet of Things in Cloud(IoTC) at Sri Venkateswara College of Engineering on 20.10.2022.</p> <p>e) One day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.</p> <p>f) 2 days Online workshop on “Classifier Models in Data Mining” on 28th and 29th ,October, 2022 at Sri Venkateswara College of Engineering.</p> <p>g) One day webinar on “Blockchain Technology” organized by Oracle Academy on 13.10.2022.</p> <p>h) One day Webinar on “Security Concerns in Internet of Things in Cloud(IoTC) at Sri Venkateswara College of Engineering on 20.10.2022.</p> <p><b>23) Mr. Gnanavel, AP/CSE, attended</b></p> <p>a) “One week Workshop on Tamil Language”, conducted by SVCE from 07/11/2022 to 11/11/2022.</p> <p>b) One day workshop on “Curriculum Design”, organized at Sri Venkateswara College of Engineering on 18.10.2022.</p> <p>c) One day Industrial Visit in SANSBOUND networks lab for the networking training course, Anna Nagar, Chennai on 19/09/2022.</p> <p>d) One day workshop on “Curriculum Design”, organized at Sri Venkateswara College of Engineering on 18.10.2022.</p> <p><b>24) Ms. M. Shanthalakshmi, AP/CSE, attended</b></p> <p>a) 5 days FDP on Industry 4.0 conducted from 5.12.2022 to 9.12.2022 at Easwari engineering college</p> <p><b>25) Ms. Kaviya P, AP/CSE, attended</b></p> <p>a) 5 Days FDP on Power BI Data Analyst Associate conducted by ICT Academy from 30/08/2022 to 05/09/2022.</p> <p>b) One day Industrial Visit to SANSBOUND networks lab for the</p>
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networking training course, Anna Nagar, Chennai on 19/09/2022.

### **Expert Lectures delivered in other college**

1. **Dr. P. Geetha, AP/CSE**, acted as a Resource Person on 05/11/2022 in the topic of "Approximation Algorithm", Department of Computer Science and Engineering, SRM Institute of Science and Technology, Ramapuram, Chennai.

2. **Dr. P. Geetha, AP/CSE**, acted as a Resource Person for Guest Lecture on the topic of "SYNTAX DIRECTED TRANSLATION – COMPILER DESIGN", organized by Department of Computer Science and Engineering, Roever Engineering College, Perambalur on 17th February 2023.

### **Expert Lectures delivered in SVCE**

- 1) **Dr. R. Anitha, Prof, & HoD / CSE**, acted as a resource person for the Two Days workshop on "Readiness for the Emerging Technologies" from 12/01/2023 to 13/01/2023, and delivered a session on "Cloud Computing : An Eye Opener".
- 2) **Dr. R. Jayabhaduri, Professor / CSE**, delivered a talk "Real World implementation of AI and exploring its effect in Day-to-Day Life" on 12/01/2023 for the two day workshop on "Readiness for the Emerging Technologies" organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 12/01/2023 to 13/01/2023.
- 3) **Dr. P. Vinothiyalakshmi, ASP/CSE**, acted as a Resource Person in the Workshop EMTECH 2.0- C2C club on 16/11/2022 in the topic of "Building projects in Machine Learning", Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Chennai.
8. **Dr. T. Padmavathy, Associate Professor / CSE**, acted as a resource person for the Two Days workshop on "Readiness for the

Emerging Technologies" from 12/01/2023 to 13/01/2023, and delivered a session on "AI, IoT and SDN : An Eye Opener".

9. **Ms. S. Poorani, AP/CSE**, acted as a Resource person on the topic "Introduction to Cyber Security" in Two day workshop on "Readiness for the Emerging Technologies" organized by Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 12-01-2023 to 13-01-2023.
10. **Dr. P. Geetha, AP/CSE**, acted as a Resource Person in the Workshop EMIC-C2C club on 15/11/2022 in the topic of "Machine Learning R", Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Chennai.
11. **Ms. R. K. Kapilavani, AP/CSE**, acted as a Resource Person in the Workshop EMIC-C2C club on 14/11/2022 in the topic of "Machine Learning using Python", Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Chennai.

### **Industry Training attended by faculty members**

- d) **Dr. Rajganesh N, ASP/CSE**, attended "Train The Trainer - Container Concepts" during 09.20.2023 to 20.02.2023.
- e) **Mr. Senthil Kumar R, AP/CSE**, Workshop on "Train The Trainer - Linux Commands, Windows Services, SQL Queries", Organized by Worldline India Pvt. Ltd during 7th February to 28th February.
- f) **Mr. M. Lakshmanan, AP/CSE**, attended Workshop on "Train the Trainer - Container Class, Coding Best Practices, HTML/CSS, Windows Services, Python with Data Science, " organized by WorldLine India Pvt Ltd, Chennai during the period 10th February to 24th February 2023.

### **Major achievements by faculty members**

21. **Dr. R. Anitha, Prof & HoD/CSE, Ms.S.Senthamizh Selvi, AP/CSE** has completed the RPS Project titled "Developing a Language Translation Engine for Book Conversion from Foreign to Native Language in the Field of Science & Technology based on Cloud Virtual Dictionary Using Deep Neural Network".
22. **Dr. R. Anitha, Prof & HoD/CSE**, acted as Special Invitee for the Board of Studies Meeting, conducted on 28.12.2022 at Panimalar

	<p>Engineering College.</p> <p>23. <b>Dr. R. Anitha, Prof &amp; HoD/CSE</b> acted as reviewer in Asian Journal of Advances and Research.</p> <p>24. <b>Dr. R. Anitha, Prof &amp; HoD/CSE</b> – Member, Board of Studies Meeting of the Department of Computer Science and Engineering (B.E- CSE &amp; B.Tech-AIDS), S.A.Engineering College as a University Nominee conducted on 12.10.2022 .</p> <p>25. <b>Dr. R. Anitha, Prof &amp; HoD/CSE</b> – Member, Board of Studies Meeting of the Department of Computer Science and Engineering (B.E-CSE &amp; B.Tech-AIDS), Panimalar Engineering College as a Subject Expert on 10.10.2022.</p> <p>26. <b>Dr. R. Jayabhaduri, Prof/CSE</b>, acted as a reviewer for the journal CMC- Computers, Materials &amp; Continua.</p> <p>27. <b>Dr. R. Jayabhaduri, Prof/CSE</b>, acted as a reviewer for the 6 th International Conference on Computational Intelligence in Data Science ( ICCIDS 2023 ) organized by the department of Computer Science and Engineering, Sri Sivasubramaniya Nadar College of Engineering ( SSNCE), Chennai during February 23 - 25 , 2023 .</p> <p>28. <b>Dr. N. Rajganesh, ASP/CSE</b> acted as reviewer in Journal of Multimedia Tools and Applications, Springer.</p> <p>29. <b>Dr. N. Rajganesh, ASP/CSE</b> acted as reviewer in Journal of King Saud University - Computer and Information Sciences, Elsevier.</p> <p>30. <b>Dr . N. Rajganesh, ASP/CSE</b> acted as reviewer in Journal of Ambient Intelligence and Humanized Computing, Springer.</p> <p>31. <b>Dr . N. Rajganesh, ASP/CSE</b> acted as reviewer in Journal of Multimedia Applications, Springer.</p> <p>32. <b>Dr. N. Rajganesh, ASP/CSE</b>, acted as a reviewer in Journal of King Saud University - Computer and Information Sciences and Journal of Ambient Intelligence and Humanized Computing.</p> <p>33. <b>Dr. P. Vinothiyalakshmi, ASP/CSE</b>, acted as reviewer in the Hindawi portfolio of journals.</p> <p>34. <b>Dr. T. Padmavathy , ASP/CSE</b>, acted as reviewer in Journal on Today' s Ideas - Tomorrow' s Technologies ( JOTITT)</p> <p>35. <b>Dr. T. Padmavathy, ASP/CSE</b>, acted as a reviewer for Journal of Intelligent and Fuzzy Systems, a SCIE journal.</p> <p>36. <b>Dr. T. Padmavathy, ASP/CSE</b>, acted as reviewer for ANTIC'2022, an International Conference on Advanced Network Technologies and Intelligent Computing.</p> <p>37. <b>Ms. S. Senthamizh Selvi, AP/CSE</b> completed her pre-synopsis seminar presentation on 1.11.22.</p> <p>38. <b>Ms. Poorani S, AP/CSE</b> has presented her Pre-Confirmation Seminar presentation titled "Data Security in Cloud Using Quantum Cryptography" on 12.12.2022, under the Guidance of <b>Dr. R. Anitha, Prof. &amp; Head/CSE</b>.</p>
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39. **Ms. Poorani S, AP/CSE** has completed her Confirmation Meeting on 13.12.2022, under the Guidance of **Dr. R. Anitha, Professor & Head/CSE**.
40. **Ms.M.ShanthaLakshmi, AP/CSE** acted as reviewer for OPJU International Technology Conference on Emerging Technologies for Sustainable Development, 8-10 Feb 2023.

### Student Achievements

11. **Mr Kolla Mohan Rao, III/CSE**, got the certificate of recognition "ET Campus Stars 2022-23" for his exceptional performance in India's Largest hunt for brightest engineering minds, conducted by Campus Stars Season-6.
12. **Mr. Praveen Kumar K, IV/ CSE, Mr. Sankar Lal T E, IV/ CSE, Mr. Shashwanth S, IV/ CSE**, presented a paper titled "GPS and QR based Vehicle Tracking System" at the Two days International Conference on " Digital Archiving and Presentation on Cultural Heritage of India" organized by AMET University, Chennai held on 8 - 9 December 2022 .
13. SVCE Cricket Team showed a stunning performance and clinched the Winners title in Anna University zonal tournament which was organized in our campus from 10 / 01 / 2023 to 18 / 01 / 2023 . **Mr. G. Viswesh, III/ CSE, Mr. C. S. Mukundan, I/ CSE, and Mr. Shravan Raghunath, I/ CSE** have participated in the event.
14. **M.S.Kiran** secured II place in the Karate Championship held On 4th December and organized by Tamilnadu State Karate Championship.
15. SVCE Basketball(Men) team showed a stunning performance and secured the Runners position in the CM Trophy 2023. It was organized by the Sports Development Authority of Tamil Nadu held at Kanchipuram District stadium on 18th Feb 2023. **Mr. S. Yokes, II/CSE** has participated in the event.
16. **Mr. Purushothaman R, I/CSE** secured First place in Tamilnadu Yoga Carnival & 77 th Tamilnadu Yoga Sports Open Championship 2022 held on 3 rd December 2022 at Sethpathi Higher Secondary School, Madurai.
17. **Mr. Purushothaman R, I/CSE** secured First position in Hand Balancing event conducted by World Sports Yoga Championship 2022 held on 4 rd December 2022 at U. C. C. K Mat. Higher Secondary School, Ayarambakkam.
18. **Dr. R. Jayabhaduri, Prof/CSE along with Dr. R. Anitha, Professor and HOD/CSE** mentored the following Undergraduate students for the State Level Science Expo "AB INITIO" conducted for school children by the Science Club and Students' Council of Sri Venkateswara College of Engineering from January 23, 2023 to January 25, 2023.

	<p>c) Final year CS students Abdul Rehman I, Adityan V, Benita Majo C, Aishwarya S, Akshaya L K and Ashika V had done their projects in the domain "Internet of Things". Prefinal year CS students Kolla Mohan Rao and Kishan M exhibited 2 projects titled "MicroD" and "SVCE BoT".</p> <p>d) Third year B.Tech AD students Divyamsh B, Iyyappan R, Nandha Kumar S and Pranav Vignesh, Gopinathan K, Kesavaram V, Malapati Prasanth, Nithin Iswar P and Prajith K and Niyas Hameed and Vignesh R S exhibited their project titled "Smart Attendance", "Automated Labour" and "VibR" respectively.</p> <p>19. <b>Mr. Lakshmi Narayanan, III/CSE</b> is receiving the Temenos Merit-based scholarship for the AY 2022-23.</p> <p>20. Mr. MAANESH M, Mr. MOHAMADH NOOH, Mr. PRADESH KUMAR, Mr. LEKSHMAN BABU, under the guidance of Dr. B. Praveen Kumar, ASP/CSE and Mr. TARUN VVS, Mr. LAKSHMI NARAYANAN, Mr. KARTHIKRAM G, B.E (Computer Science and Engineering) under the guidance of Ms. R. Iyswarya AP/CSE has won <b>3rd place</b> with a cash prize of <b>Rs.20,000</b> in a 72-hour long triathlon conducted by Vivekananda Global University, Jaipur.</p> <p>21. <b>Ms. Neha Bhende, Ms. K. Lakshmi Sruthi and Ms. T. Pooja, III/CSE</b> won <b>second place in the FORESE Hackathon'23</b> and was awarded a cash prize of <b>3000 INR</b>. The event was judged by Saha-AI and the cash prize was sponsored by Edwise.</p> <p>22. <b>Ms. Neha Bhende, III/CSE</b> and as a sign of Best Performer Neha Bhende was shortlisted for an internship with Saha- AI.</p> <p>23. <b>Ms. S. K. Keerthana, III/CSE</b> completed the certificate course "Python for Beginners" from Scaler Academy.</p> <p>24. <b>Mr. Kolla Mohan Rao, III/CSE, Ms. V. Shanmathi, Ms. S G Srivarshini and Ms. B Vinaya, I/CSE</b> participated in the event "Analytic Showdown" conducted by the Know-I club of SVCE on 18th February 2023.</p> <p>25. <b>Ms. S. K. Keerthana, III/CSE</b> completed her internship in C++ under Pie Infocomm Private Limited from 2nd January 2023 to 12th February 2023 and also completed a Project titled "Bank Management System".</p> <p>26. <b>Ms. M. Manusrimanjari, Ms. R. Kaviyadharshini, Ms. Nivedha Shankar, Ms. Rajeswari, Ms. S. Keerithika, III/CSE</b> attended the special talk on "Crime against Women and Children &amp; Cyber Crime Awareness", organized by WEC, SVCE on 7th February 2023.</p> <p>27. <b>Ms. V. Shanmathi, I/CSE</b>, participated and completed two levels in Out of the Box Thinking Through Mathematics Course organized by IIT Madras Pravartak Technology Foundation.</p> <p>28. Ms. Krithika, III/CSE has successfully participated in IP Awareness/Training program under NiPAM on 30th January 2023.</p>
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	<p>29. Mr. M. Kishan, III/CSE attended “Republic Day Celebrations” and “Environmental Pollution Awareness Talk”, events of Mega Awareness Program- 2023 organized by Youth Red Cross, SVCE on 26th &amp; 28th January 2023.</p> <p>30. Ms. M. Iyswarya, III/CSE completed her internship of Full Stack Developer from August to October 2022 under Solar Secure Solutions MSME (Govt. of India).</p> <p>31. <b>Mr. S. Akash, III/CS</b> has won the First place in FANDOM WARS at BOOTUP'23 - National Level Symposium conducted by Dept. of CSE, Rajalakshmi Engineering College, Chennai on 13th February 2023.</p> <p>32. Ms. Smirtha Chandran, I/CSE, participated in Nature Art Expo contest conducted by CARE Club of SVCE on 22nd February 2023.</p> <p>33. Ms. G. Durga, II/CSE completed the course by demonstrating theoretical and practical understanding of Introduction to Javascript with Sololearn, during the period 17th January 2023 to 6th February.</p> <p>34. Ms. E. Janani, II/CSE has participated in the event Code Lock organized by Know-I club on 18th February 2023.</p> <p>35. Ms. G. Durga, II/CSE completed the course by demonstrating theoretical and practical understanding of Introduction to Javascript with Sololearn, during the period 17th January 2023 to 6th February</p> <p>36. <b>Ms. S. K. Keerthana , III/CSE</b> completed 5 certificate courses from Great Learning Academy are My SQL Basics, Crash Course on Data Structure and Algorithms in C++, OOPs Concepts in C++.</p> <p>37. <b>Ms. S. K. Keerthana , III/ CSE</b> completed Hacker Rank Certificates are Problem Solving ( Basic) and SQL Intermediate.</p> <p>38. <b>Ms. V. Shanmathi, I/ CSE</b>, participated in ICT Skill a thon.</p> <p>39. <b>s. V. Shanmathi, I/ CSE</b>, participated and went upto prelims 2 in the * EARTHIAN QUIZ CONDUCTED BY WIPRO* online mode event held on 12 th and 13 th of January 2023 .</p> <p>40. <b>Mr. V. V. S. Tarun, IV/ CSE</b> has attended two days workshop on " Gender Audits in Higher Education Institutions: The Why and How? " Organized by sri venkateswara college of engineering sponsored by AICTE held on 27 - 01 - 2023 and 28 - 01 - 2023 .</p> <p>41. <b>Ms. U. Sadana, IV/CSE</b>, attended AICTE sponsored Two day workshop on “ Gender Audits in Higher Education Institutions: The Why and How?” organized by Sri Venkateswara College of Engineering from 27 - 01 - 2023 to 28 - 01 - 2023</p> <p>42. <b>Ms.V.Shanmathi , I/CSE</b>, participated in Logo making competition (12 m) conducted by PALS -IIT MADRAS on 09 . 01 . 2023 .</p>
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43. **Ms. V. Shanmathi, I/CSE**, participated and demonstrated project in ABINITIO Event conducted by SVCE during 23 . 01 . 23 to 25 . 01 . 23 .
44. **Mr. Kolla Mohan Rao, III/CSE** actively participated in the Quiz ( Online Assessment) of Hero Campus Challenge Season 8 organised by Hero Moto Corp Limited.
45. **Mr. M. Balaji, III/CSE** attended a training programme on Networking with Eduxlab, Chennai during the period 04 - 12 - 2022 to 10 - 12 - 2022 .
46. **Ms. Shanmathi V and Ms. Srinidhi S I/CSE** have actively participated in the Quiz ( Online Assessment) of Hero Campus Challenge Season 8 organised by Hero Moto Corp Limited.
47. **Mr. Vinochan K B , II/CSE** attended the RESIDENTIAL STUDENT WORKSHOP in IIT Madras from DEC 12 – DEC 14 2022 .
48. The First Year CSE ( 30 ) and ADS ( 20 ) students participated in the Disaster and Awareness Management Training held on 17 . 12 . 2022 .
49. Muralidharan S, I Year CSE B Section Student, was a FINALIST for presenting a paper titled “IoT-based Air Pollution Monitoring System” under the category Idea-O-Lite in The Second Edition of iCUBE – A National Level InterCollegiate Technical Event, organized by Students’ Council in association with SVCE Science Club of SVCE held between 1.11.22 and 18.11.22.
50. Sadana U, Shivanee Ramesh, Suriya S S, Shri Rajamanikandan V, IV year, Department of Computer Science and Engineering, has participated in HACKFEST 3.0 organized by Sapthagiri College of Engineering, Bengaluru on 17/11/2022 and 18/11/2022.
51. Abinesh K, III year/CS, Department of Computer Science and Engineering, secured runner up in Badminton (Men), organized by Sri Venkateswara College of Engineering, on 18/11/2022.
52. Mr. Divyamsh B, Mr. Iyappan R, Mr. Nandha Kumar S, and Mr. Pranav Vignesh have bagged the 1st position in HACK IN HUB '22, a 24hrs National Level Hackathon at Sairam Institute of Technology on 19th and 20th October. The project is mentored by mentored by Dr.N.M.Balamurugan, ASP/CSE.
53. Mr. MAANESH, Mr. MOHAMMEDH NOOH, III year CSE, received Best UI/UX award in Hackerrupt'22, ACE CLUB of SVCE IIT Research park on 9/10/2022 to 10/10/2022.
54. Ms.MADHUMITHA R, Mr.MAVRESH, III year CSE, won in "QUIZ ON CYBER SECURITY" at SIMATS: Saveetha School of Engineering 31/10/2022.

### **No.of Industrial Visits**

1. **III year CS- C** section students along with **Mr. K. Srinivasan and**

	<p><b>Ms. Shobanjaly Nair AP/CSE</b> visited Kamarajar Port, Ennore on 23rd February 2023.</p> <p>2. <b>Mr. Srinivasan, AP/CSE, Mr. Lakshmanan, AP/CSE, Ms. Yuva Prabha, AP/CSE, Ms. Kiruthiga, AP/CSE</b>, has attended one day Industrial visit to Indian space Research Organization (ISRO), Bangalore was organized by Department of Computer Science &amp; Engineering on 06/09/2022 along with students of <b>III Year A and B</b>.</p> <p>3. <b>Mr. Gnanavel, AP/CSE, Ms. P. Kaviya, AP/CSE</b>, has attended one day Industrial Visit to SANSBOUND networks lab for the networking training course, Anna Nagar, Chennai on 19/09/2022 along with <b>II CSE students</b>.</p> <p>4. <b>Students of III/CSE</b> has attended one day Industrial Visit to SANSBOUND networks lab for the networking training course, Anna Nagar, Chennai on 20/09/2022.</p> <p>5. <b>Ms. Shoba Anjali Nair, AP/CSE and the students of III/ADS</b> has attended one day Industrial Visit to SANSBOUND networks lab for the networking training course, Anna Nagar, Chennai on 21/09/2022.</p> <p><b>No.of Students underwent Intern / InPlant Training - 4</b></p> <p>1. <b>Ms. S. K. Keerthana, III/CSE</b> completed her internship in C++ under Pie Infocomm Private Limited from 2nd January 2023 to 12th February 2023 and also completed a Project titled "Bank Management System".</p> <p>2. <b>Ms. Neha Bhende, III/CSE</b> and as a sign of Best Performer Neha Bhende was shortlisted for an internship with Saha- AI.</p> <p>3. <b>Ms. M. Iyswarya, III/CSE</b> completed her internship of Full Stack Developer from August to October 2022 under Solar Secure Solutions MSME (Govt. of India).</p> <p>4. <b>Ms. S. K. Keerthana, III/CSE</b> completed her internship in C++ under Pie Infocomm Private Limited from 2nd January 2023 to 12th February 2023 and also completed a Project titled "Bank Management System".</p>
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Distinguished Alumni		<table><tr><td>SL.No</td><td>Distinguished Alumni</td><td>SL.No</td><td>Distinguished Alumni</td></tr><tr><td>1.</td><td>Dr. V.Kamakoti Director - IIT MADRAS Batch: 1985 – 1989</td><td>2.</td><td>Mr. Anand Daniel Seed/Early stage investor with Accel Partners Batch: 1992 – 1996</td></tr><tr><td>3.</td><td>Dr Srinivasa Rajagopalan Associate Professor Mayo Clinic College, USA. Batch: 1985 – 1989</td><td>4.</td><td>Mr. Murari Sridharan CTO – Bank Bazaar Batch: 1993 – 1997</td></tr><tr><td>5.</td><td>Mr. Balamurali  Shankar Vice President,Insurance Infrastructure Practice Batch: 1986 - 1990</td><td>6.</td><td>Dr. Shankar Balachandran Visiting Professor –IIT Bombay Batch: 1994 – 1998</td></tr><tr><td>7.</td><td>Mr. M. J. Shankar Raman Counselling &amp; Advisory – unotech Senior Advisor &amp; Principal Scientist, IITM. Batch: 1986 – 1990</td><td>8.</td><td>Dr.Vijay Srinivas Agneeswaran Senior Director of Technology – SapientRazorFish Batch: 1994 – 1998</td></tr><tr><td>9.</td><td>Mr. Lawrence F Senior Vice President,Mphasis BFL Ltd Batch: 1986 – 1990</td><td>10.</td><td>Mr. Ravikiran Durbha Data Solutions Architect – Dude Solutions , North Carolina Batch: 1995 – 1999</td></tr></table>	SL.No	Distinguished Alumni	SL.No	Distinguished Alumni	1.	Dr. V.Kamakoti Director - IIT MADRAS Batch: 1985 – 1989	2.	Mr. Anand Daniel Seed/Early stage investor with Accel Partners Batch: 1992 – 1996	3.	Dr Srinivasa Rajagopalan Associate Professor Mayo Clinic College, USA. Batch: 1985 – 1989	4.	Mr. Murari Sridharan CTO – Bank Bazaar Batch: 1993 – 1997	5.	Mr. Balamurali  Shankar Vice President,Insurance Infrastructure Practice Batch: 1986 - 1990	6.	Dr. Shankar Balachandran Visiting Professor –IIT Bombay Batch: 1994 – 1998	7.	Mr. M. J. Shankar Raman Counselling & Advisory – unotech Senior Advisor & Principal Scientist, IITM. Batch: 1986 – 1990	8.	Dr.Vijay Srinivas Agneeswaran Senior Director of Technology – SapientRazorFish Batch: 1994 – 1998	9.	Mr. Lawrence F Senior Vice President,Mphasis BFL Ltd Batch: 1986 – 1990	10.	Mr. Ravikiran Durbha Data Solutions Architect – Dude Solutions , North Carolina Batch: 1995 – 1999
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11.	Mr. T.M Karthik Member of Evam Group Co-Founder at Sideways Training Batch:1987-1991	12.	<u>Mr. Sathish</u> Gopalakrishnan Director, Master of Software Systems Program. The University of British Columbia Vancouver, Canada. Batch:1995 – 1999
	13.		Mr. Elias Yakub Senior Director of Engineering – Microsoft Batch:1988 – 1992
	14.		Mr. Thanveer H Director, Applications Delivery – Keste Batch: 1997 – 2001
	15.		Dr.Vijay Krishnan Narayan Batch:1989 – 1993
	16.		Mr.Sai Pradeep @ Aadhi Pinisetty Actor Batch: 2000 – 2004
17.	Mr. Malolan Chetlur Master Inventor, Researcher – IBM Batch: 1990 - 1994	18.	<u>Mr. Krishnamurti G</u> Business Planning Manager at Standard Chartered Bank United Arab Emirates  Batch: 2001 – 2005
	19.		Mr. Herschal Trivedi Managing Principal Batch: 1991 – 1995
	20.		Mr. Thuriya Rajkumar Senior Manager – Apple, San Francisco Batch: 2002 – 2006

**ANNEXURE - II**

1	Name of the Department	<b>Electronics and Communication Engineering</b>		
	Course	B.E.		
	Level	Under Graduate		
	1 <sup>st</sup> year of approval by the Council	1984		
		<b>2022-23</b>	<b>2021-22</b>	<b>2020-21</b>
	Year wise sanctioned intake	180	180	180
	Year wise actual admission	171+16 (LE-2020 Batch)	159+17(LE-2020 Batch) LE* - Lateral Entry	149+8(LE-2019 Batch) LE* - Lateral Entry
	Cut off marks – General quota	191.5	191.3	190
	% Students passed with First Class with distinction	60.14%	53.5%	39%
	% Students passed with First Class	36.96%	46.5%	60%
	Students placed	107 (out of 116 placement preferred students)	125 (out of 128 placement preferred students)	108 (out of 108 placement preferred students)
	Average Pay package, Rs/year	5.5 lakhs/year	5.12 lakhs/year	4.01 lakhs/year
	Students opted for Higher studies	21	14	16

Accreditation Status of the programme	NBA Accredited up to 30-06-2025
Doctoral Courses	Yes. Recognized research Centre by Anna University, Chennai
Foreign collaborations, if any	Nil
Professional Society Memberships	All faculty members have at least one life time membership in ISTE, IETE, IEEE, CSI and had also become members in ISCS,IAENG,ISRD.
Professional Activities (Last three Academic years 2022-23, 2021-22, 2020-21)	<b>No.of Workshops/Conference/webinar conducted:</b> 2022-23: 30 2021-22: 31 2020-21: 64
Grants fetched (Last three Academic years 2022-23,2021-22, 2020-21)	<b>Research grants:</b> 2022-23: 1 2021-22: 1 2020-21: 2
Departmental Achievements (Last three Academic years 2022-23,2021-22, 2020-21)	<b>Research publications:</b> <p>Faculty members published around 150 research papers through various peer reviewed international journals (IJ) / conferences (IC).</p> 2022-23: 31 (IJ) + 14 (IC) = 45 2021-22: 39 (IJ) + 2 (IC) = 41 2020-21: 34 (IJ) + 30 (IC) = 64  The department has been recognized as a Research Centre by Anna University with effect from May 2009 for pursuing Ph.D and renewed till Dec-2023.  <b>Patent Published:</b> 2022-23: 6 Indian patent (3 published + 3 granted) and 2 International patent (2 granted) 2021-22: 3 Indian patent (3 published) and 1 International patent (1 granted) 2020-21: 2 Indian patent (2 published)  <b>University level Rankings:</b>  MANOJ D(2019-23 BATCH) secured first Rank with a CGPA of 9.785 in ECE department..  <b>MoU:</b> 12 MoUs are signed with industries for mutual benefits.

		<b>Consultancy:</b> Department carries out consultancy work to industries and institutions in the field of PCB prototype design using PCB Prototyping machine - ETS-PCBMATE and RF measurements using Network Analyzer - ENA E5062.
	Distinguished Alumni	1.Mr. Vineeth Vijayaraghavan,Director,Solarillion Foundation,Chennai. 2.Dr.Subramani Ramakrishnan,Director, Workforce Management,IBM,Chennai. 3.Ms. Sowmya Mahadevan ,Chief Operating Officer,Exeter Premedia Services, Chennai 4.Mr. Bala V.Sathyanarayanan,Executive vice president and chief human resources officer, Grief Inc.Ohio 5.. Mr. Arun Bhikshesvaran, CEO,Radisys corporation, Texas. 6. Mr.Pravin Shekar,outlier marketer and keynote speaker,Krux108,Chennai.

## ANNEXURE - II

	Name of the Department	<b>Electrical and Electronics Engineering</b>		
	Course	B.E.		
	Level	Under Graduate		
	1 <sup>st</sup> year of approval by the Council	1994		
		2022-23	2021-2022	2020-21
	Year wise sanctioned intake	120	120	120
	Year wise actual admission	93	89	97
	Cut off marks – General quota	188	186	192
	% Students passed with First Class with distinction	61.38	47	31.62
	% Students passed with First Class	35.64	51	68.37
	Students placed	83	71	90
	Average Pay package, Rs/year	550000	550000	525000
	Students opted for Higher studies	4	7	18
	Accreditation Status of the	Accredited by NBA for six years from June 2016 to June 2022		

	course	
	Doctoral Courses	Yes. Recognized research centre by Anna University, Chennai
	Foreign collaborations, if any	<ul style="list-style-type: none"> <li>• Mr.Peter Lee, Midas Systems (P) Ltd, Korea, Workshop on IC Fabrication, Nov 7th to 9th, 2021.</li> <li>• Mr. Prem Kumar, Hydrotek Automation, Kuwait, delivered a lecture in two days workshop on “Recent Technologies in Electric Vehicle and Smart Grid” on 30.5.2022.</li> <li>• Dr.Jaideep Chandran,School of software and Electrical Engineering, Swinburne University of Technology,Australia</li> <li>• Dr.R.Jayashree ,New Southwales University , Australia as a member of team of delegates from Australia to promote higher education opportunities in Australia.</li> </ul>
	Professional Society Memberships	All faculty members have atleast one life time membership in ISTE, IEEE, CSI,ISTD, Institution of Engineers, MMA .
	Professional Activities	<ul style="list-style-type: none"> <li>• The inauguration of Association of Electrical and Electronics Engineers (AEEE) for the AY 2022-2023 was held on 19 th Sep 2022.Mrs.KamatchiNadan, Founder and Managing Director, SEN Electrical Design Systems, Chennai, was the chief guest of the event.</li> <li>• The guest lecture on “Battery Energy Storage systems (Grid-scale)” was held on 20<sup>th</sup> October, 2022 .The guest speaker, Mr.R.Annamalai, Deputy General Manager (O&amp;M), NTPC Limited, Karnataka presented his guest lecture by explaining need for grid-scale energy storage technologies to optimize extraction of renewable energy</li> <li>• The Department of Electrical and Electronics Engineering in association with M/S Festo India Pvt. Ltd.organised an Exhibition on Wheel -"The Expotainer"on 10<sup>th</sup> October 2022.</li> <li>• The guest lecture on the topic ‘Power Transformer Operation and Conditional Assessment’ was presented by Mr.M.Babu, Director - Operations, Voltech Manufacturing Company Limited, Chennai on 09/02/2023.</li> <li>• The National Level Championship and Workshop series of Matlab on the topic “Matlab with Robotics” was organised in association with ‘elan&amp;nvision’, Indian Institute of Technology, Hyderabad and ‘Techradiance’ with Sri Venkateswara College of Engineering, Sriperumbudur as Nodal Center during 16<sup>th</sup> to 17<sup>th</sup> February 2023</li> <li>• PULSE’23 is a National Level Technical Symposium organized by the Department ofElectrical and Electronics Engineering, Sri Venkateswara College of Engineering. The symposium was conducted on 31 st March 2023 that featured ten technical events</li> <li>• Inauguration (AY 2021-2022) of the “Association of Electrical and Electronics Engineers (AEEE)” on 17/09/2021 by Mr.S.Nandhakumar, Deputy General Managaer,Power Grid Corporation of India</li> <li>• A guest lecture on the topic “Wind - technology, trends &amp; opportunities” was presented by Ms.Swarna Priya Natarajan , Lead Engineer at Vestas Technology R &amp; D on 22/11/2021.</li> <li>• A guest lecture on the topic “Project Management in Power Transmission and Distribution” was presented by Mr.Adithya Sreenivasan Nagarajan, Assistant Vice President, Analytics and Insights, Accenture on 24/11/2021.</li> <li>• 3-days "Sensor Guided Robotics - Hands-on Training" program on 18/03/2022 to 21/3/2022</li> <li>• Guest lecture on the topic “Robots and Autonomous Mobile Robots Applications in Industries”on 21/03/2022 by Mr.B.Saravanan, BrixEn HiTech Pvt. Ltd.,Chennai.</li> <li>• A guest lecture on the topic "Clean Coal Technologies for Sustained Power Generation" on 10/05/2022 by Mr.R.Krishnakumar, Deputy Executive Engineer, NLC India Limited.</li> </ul>

		<ul style="list-style-type: none"> <li>• FDTP on “MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems” from 20/1/2022 to 25/1/2022 by Dr.Ravindar Reddy CH Engineer Technical Support-MathWorks,DesignTech Systems Pvt Limited</li> <li>• MATLAB DAY – MATLAB and Simulink hands-on session on 11/1/2022 by Mr.Dhiraj Jagtap Mr.D.Rajkumar,Application Engineers,DesignTech System Pvt Ltd</li> <li>• The two-day workshop on “Recent Technologies in Electrical Vehicles and Smart Grid” was conducted on 30th and 31st of May, 2022 by Mr.P.S.Prem Kumar,Division Manager-Industrial Automation,Hydrotek Engineering Company,Kuwait.</li> <li>• Dr.Ravindar Reddy CH Engineer Technical Support- MathWorks, DesignTech Systems Pvt Limited handled and delivered expert lectures on advanced MATLAB in the Five days online FDTP on MATLAB for System Design Engineers held online from 7/6/2021 to 11/6/2021</li> <li>• A webinar on the title ‘ACE TECHWRITING’ was presented by Dr.Sudhakar K B, Prof/EEE and Dr.S.G.Bharathidasan ASP/EEE on 07/05/2021</li> <li>• A webinar on the title ‘Idea generation for project implementation’ was presented by Dr.R.Karthikeyan ASP/EEE and Dr.S.Kumaravel AP/EEE on 07/05/2021</li> <li>• A National Level Technical e-Symposium PULSE’21 was organized on 13/05/2021.</li> </ul>
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		<p>Dr.KR.Santha Vice Principal, Prof &amp; HOD/EEE presented the inaugural address.</p> <ul style="list-style-type: none"> <li>● A value added course on ‘VD18603 Modeling and Simulation of Electrical Systems’ was organised online for II year students from 07/04/2021 to 12/04/2021 (5 days).</li> <li>● A National Level Technical Project Exhibit “Bring-it-to-Light” for polytechnic college students was organized on 16/04/2021 coordinated by HoD/ EEE, Dr.C.Gopinath ASP / EEE, Dr.S.Kumaravel AP /EEE, Dr.T.Annamalai AP/EEE, Dr.M.Sankar AP/EEE, Mr.G.Vinoth Kumar AP/EEE, Dr.C.Kamal AP/EEE</li> <li>● A webinar on the title “Women in Start-Ups” by Ms.Vanipriya Jayaraman, Director(Co-Creation) - Exotel was held on 08th March 2021.</li> <li>● A skill development programme for imparting technical skills for placement under the aegis of placement cell of the college was conducted for III yaer students of Option A from 19/4/202 to 26/5/2021 and all faculty members of the department delivered lectures in it.</li> <li>● An online guest lecture on the topic “Building a Data Center Network” was presented by Mr.VS.Balasubramanian, Senior Analyst, IT Network Development, DELL Technologies based in Massachusetts on 26/09/2020.</li> <li>● An online guest lecture on the topic “Career Guidance and Prospects post B.E., EEE” was presented by Mr.Adithiya Sreenivasan Nagarajan, Senior Manager, KEC international Limited on 03/10/2020 .</li> <li>● An online guest lecture on the topic “Magnificent Industrial Robots to Minuscule low-power Embedded Internet of Things” was presented by Mr.Vijay Karthick Baskar, Embedded System Engineer, Dover Corp on 15/10/2020 (Thursday).</li> </ul>
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Grants fetched  (Last three Academic years 23-22 ,22-21 and 21-20)	Completed:				
	Name of the Faculty Member(s)	Funding Agency	Research Topic	Amount (Rs in lakhs)	Period
	Dr.KR.Santha	AICTE-MODROBS	‘PLC based Modernization of Electrical Machines’	8.27	2018-2021
	Dr.KR.Santha Dr.C.Gopinath Mr.D.S.Purushothaman	AICTE-ISTE Refresher Programme	SOLAR PV SYSTEM DESIGN USING IoT	3.00	2020-2021

		Dr.KR.Santha Dr.C.Gopinath Ms.S.Arulmozhi Ms.N.Shanmugav adivu Dr.T.Annamalai Mr.D.S.Purushoth aman	AICTE- E- Conference	International Conference on Smart Technologies in electric Vehicles and Power Grid	1.66	2020-2021
		Dr KR.Santha Dr S G Bharathidasan Dr M Sankar Dr S.Kumaravel Dr S S Sethuraman Mr S.Thamizmani	AICTE NewDelhi	Short Term Training Programme (STTP) On Electric Vehicle Evolution - Impact On Power Grid.	3.16	2020-2021
		Dr.KR.Santha,	AICTE- MODROB S	'PLC based Modernization of Electrical Machines'	6.61	2018-2020
		Dr.Sudhakar K.B Ms.S.Anitha	IEI, India	Fabrication of A Broadband photo detector using metal oxides	0.33	2019-2020
		<b>Ongoing :</b>				
		<b>Name of the Faculty Member(s)</b>	<b>Funding Agency</b>	<b>Research Topic</b>	<b>Amount (Rs in lakhs)</b>	<b>Period</b>
		Dr.GaneshVaidyan athan, Dr.K.B.Sudhakar, Dr. NalinkanthGhone	DST FIST	Inter disciplinary Nano Research Centre	80.00	2019- 2024
		Dr.KR.Santha, Dr.K.B.Sudhakar	AICTE RPS	Micro-fabrication of Monolithic TFT based DC-DC Converter using Low cost RF Sputtering	11	2019 -2022
		Dr.KR.Santha, Dr.KB.Sudhakar Mr.V.Mohanraj.	Gulf Ltd.	E-Ticketing and Transport Management System	0.25	2021-2022
		Dr.KB.Sudhakar	Anna University – Ph.D Scholar	Thin film and Microelectronics	0.059	2021-2022

	Dr. R Kannadasan	SERB-EEQ	Multi-Layer Multi-Purpose Smart Waste Management System Using Internet Of Things (Iot)	42	2022-2024
	Mr.S.Sudharsanam	TNSCST	Fabrication of MoS2 based thin film transistor for display applications	0.075	2012-2022
	Mr S Thamizmani, and Dr S G Bharathidasan	Tamilnadu State Council for Science and Technology (TNSCST-STUDENT PROJECT SCHEME)	“Building energy conservation using electric vehicle” (Project No. : EEE-1860, S.No. 884).	0.075	2022-23
	Dr.KR.Santha, Dr.Sudhakar K B  Dr.S.G.Bharathidasan  Dr.S.Kumaravel	Gulf Engineering	E-Ticketing and Transport Management System  Bird Repellent System	0.50	2022-23
Departmental Achievements	<p><b>Achievements / Awards</b> <b>Year2022-2023</b></p> <p><b>The faculty members published papers in indexed journals, in conferences and published patents.</b></p> <p><b>Journal publications: 23</b></p> <p><b>Conference Papers: 14</b></p> <p><b>Patents : 9</b></p> <p><b>Achievement of staff</b></p> <p>1.Dr.KR.Santha,Dr.Sudhakar K B,Designed and spearheaded the project E-Ticketing and I-Transport Management System in collaboration with Gulf Engineering (P) Ltd which has been adapted by the transport department of Government of Tamilnadu during March 2022.</p> <p>2.Mr.Sudharsanam,Mr.M.Ranjith Kumar,Ms.S.Sinthamani,MHRD sponsored Indian Nanoelectronic User programme, IIT Madras. Selected for project execution during April 2022</p> <p>3.Dr.Sudhakar K B,Innovation Ambassador, MoE on 03.08.2022</p> <p>4.Dr.KR.Santha,Chief mentor under the Mentor - Mentee program under the aegis of IIC-SVCE and visited a constituent college near Trichy and offered guidance under this program with SVCE as the role model during August 2022.</p>				

	<p>(Last three Academic years 23-22, 22-21 and 21-20)</p>	<p>5. Dr. R. Kannadasan, 2020 Highly cited Research paper award - Elsevier, August 2022</p> <p>6. Dr. K.R. Santha, Dr. Sudhakar Bharatan, Dr. S.G. Bharathidasan, Dr. S. Kumaravel, Prototype development – Electronic Animal Repellent System for M/S Gulf Engineering, Karaikudi during June 2022</p> <p>7. Dr. K.R. Santha and Dr. Sudhakar Bharatan, Prototype development – Electronic ticketing and Transport Management System for M/S Gulf Engineering, Karaikudi during June 2022.</p> <p>8. Dr. R. J. Venkatesh/AP/EEE, International teacher of the year Award 2022- Global Edu Conclave 2022 International Institute of Organized Research (I2OR), India in association with Centre for Smart Modern Construction - Western Sydney University (Australia) on 25.12.2022</p> <p>9. Dr. R. J. Venkatesh/AP/EEE, Certificate of appreciation - Mentor for the NPTEL online certification course " Problem Solving through Programming in C" during July- December 2022</p> <p>10. Dr. C. Gopinath, Mr. D. S. Purusthottaman, Mentored Students Irfan Abdulla, Ashiq Mohamed Illahi who has secured the First position with a cash prize of Rs. 25,000/- in Icube Hackathon, Students council in association with SVCE Science Club - A national level intercollegiate technical event. on 18.11.2022</p> <p><b>Faculty Fellowship:</b></p> <p>Indian Nanoelectronic User program Idea to Innovation (INUP i2i – IIT Madras) <b><u>supported by MeitY</u></b></p> <p>i. <b>Ms. S. Sinthamani</b>, AP/EEE - Fabrication of Thin Film Solar Cell</p> <p>ii. <b>Mr. S. Sudharsanam</b>, AP/EEE - Fabrication and Characterization of MoS<sub>2</sub> Thin film transistor for Flexible electronic applications.</p> <p>iii. <b>Ms. M. Ranjith Kumar</b> AP/EEE - “Fabrication of Schottky type photo detector”.</p> <p><b>Major Activities:</b></p> <p>1. Ms. Amudhavalli D , Assistant professor, Department of EEE, SVCE, defended her thesis titled, “Mathematical Modeling and Implementation of Quadratic Boost Converter For Solar PV System" on 06.04.2022 ( Wednesday) at 02.00pm, through online mode.</p> <p>2. Dr. C. Kamal , Assistant professor, Department of EEE, SVCE has received research supervisor status from Anna University (Supervisor Number :3930006).</p> <p>3. Mr. M. Pandiyarajan, AP/EEE , defended his thesis titled, “Fabrication ,Performance and Stability Analysis of the Lead/Bismuth based inverted planar device structured Perovskite solar cells" on 05.05.2022 ( Wednesday) at 11.30AM, through online mode.</p> <p>4. Dr. S. S. Sethuraman , Associate professor, Department of EEE, SVCE has received research supervisor status from Anna University (Supervisor Number:3930016 ).</p> <p>5. Mr. C. Venkatesan, AP/EEE, defended his thesis titled, “A Novel Multi-Objective Hybrid Optimization Technique for Optimal Deployment of Distributed Generations and Shunt Capacitors" on 20.05.2022 at 10.20AM, through online mode.</p> <p><b>2021 -2022:</b></p> <p><b>Total No. of faculty members</b></p> <ul style="list-style-type: none"> <li>➤ Attended Seminars / FDPs / STTP = 84</li> <li>➤ Attended NPTEL/ COURSERA Courses = 2</li> <li>➤ Delivered Expert Lectures in other colleges = 4</li> <li>➤ Attended Industrial Training = 7</li> </ul> <p>1. Dr. K.R. Santha Vice Principal, Prof &amp; HoD/EEE addressed new members of faculty in the New Faculty Induction Program organized by the college on 22-07-2021</p>
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2. E-Ticketing and I-Transport Management System: The launch of a product conceptualized, designed and implemented by the students and faculty members of SVCE in collaboration with Gulf Engineering (P) Ltd was held on 13.05.2022. The Chief Guest for the event was our Honorable Minister for Transport, Thiru S.S.SIVASANKAR, Government of Tamilnadu, and Thiru. VAZAPADI RAMA SUGANTHAN, Vice-President, Tamilnadu Congress Committee.

3. Electronic Bird, Squirrel and Reptile Repellent System for Electrical Installation: A new product was successfully designed and developed as a commercial product in collaboration with Gulf Engineering (P) Ltd. The Product launch was held at 28.02.2022 (online mode), Mr.R.Karthikeyan, General Manager, Tamil Nadu Industrial Development Corporation Ltd (TIDCO) presided over the function.

4. Dr NK Mohanty, Prof/EEE has delivered speech on Yoga For health in the induction programme for first year students

5. Dr.C.Gopinath, Associate professor acted as Session Chair - International Conference on "Green Materials and Renewable Energy" (ICGMRE), Sri Venkateswara College of Engineering (Autonomous), 11.6.2021

6. Dr.Sudhakar K B Professor/EEE delivered Expert Lecture on 'Research Methodology' in the Short term training course organized by EmCog Solution Private Limited on 29th and 30th June 2021.

7. Dr NK Mohanty, Prof/EEE has delivered lecturer on "AC voltage controller and Matrix converter in Velammal Engineering College on 16-09-2021.

8. Dr.C.Gopinath, ASP/EEE has Delivered Invited talk on "Design Thinking" at New Prince Shri Bhavani College of Engineering and Technology, Chennai on 28th Jan 2022.

#### **Higher Education (Ph.D.) by Faculty Members**

- Dr.KR.Santha's (VP&HOD/EEE), research candidate Mr.S.S.Sethuraman has successfully completed his Ph.D.
- Dr.Nalin Kant Mohanty's, (Prof/EEE), three research candidates Mr. G Muralikrishnan,

		<p>Kannan have successfully completed their Ph.D.</p> <ul style="list-style-type: none"> <li>● Dr.R.Karthikeyan's (ASP/EEE), research candidate Mr.Naresh.C has successfully completed his Ph.D.</li> <li>● Dr. NK Mohanty, has been Certified by Yoga Certification Board, Ministry of Ayush: Level - 3 "Yoga Teacher and Evaluator" in January 2021</li> </ul> <p><b>MoUs Signed:</b></p> <ul style="list-style-type: none"> <li>● M/s.Panickker Switchgear P Ltd. Period : 2021-2024</li> <li>● M/S Gulf Engineering (P) Ltd. Period: 2022-2025.</li> <li>● Controlsoft Engineering, Chennai</li> <li>● ISTD ,Indian Society for Training and Development</li> </ul>
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		<p><b>2020-2021</b>  <b>Paper publication in International Journals – 19</b>  <b>Paper presentation in International Conferences – 6</b>  <b>Patent Filed – 3</b></p> <p><b>Achievements by students</b></p> <ul style="list-style-type: none"> <li>● Ms.M.B.Diviya Bhavaani, III year, A section, EEE has received the BEST PAPER AWARD (First place) for the paper 'Automated plant watering and irrigation system' in the paper presentation contest organized by IETE Chennai Centre on 14th September 2021.</li> <li>● Ms.M.S.Kalyani, Final Year EEE/A, has received the "ISTE -BEST STUDENT AWARD 2021".</li> <li>● Mr.Ashwin Karthick, Mr.Barath Basu.VB, and Mr.Dharanesh of third year EEE/A students won third place in project exhibition DakshaaT22 held in May 28th 2022 at K.S.Rangasamy college of Technology Namakkal.</li> <li>● Mr.Monish Kumar G S and Mr Mcleaan Nithin L Third year EEE students as a part of "Elonfans" team have won the event Manthon 2021 with a shared prize money of Rs.1,00,000.</li> <li>● Our EEE Students have designed and developed the new product in in collaboration with Gulf Engineering (P) Ltd and successfully launched.</li> </ul> <p>List of Students involved in product development:</p> <p>□ E-Ticketing and I-Transport Management System:</p> <ol style="list-style-type: none"> <li>1. Mr. Kamalesh. P, III-year EEE</li> <li>2. Mr. Gokul Prasath.P, III-year EEE</li> <li>3. Mr. Diwakar. K. S, III-year EEE</li> <li>4. Ms. Swaeta L, III-year EEE</li> </ol> <p>Electronic Bird, Squirrel and Reptile Repellent System for Electrical Installation:</p> <ol style="list-style-type: none"> <li>1. Mr. Sai Prasanth.B.L, IV-year EEE</li> <li>2. Mr. Saurabh Sonawane, IV-year EEE</li> </ol>
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	Distinguished Alumni	<ul style="list-style-type: none"> <li>● Mr.Adithiya Sreenivasan Nagarajan, AVP - Analytics and Insights · Accenture</li> <li>● Ms. Swarna Priya - Lead Engineer, Vestas RRB, Wind Power System</li> <li>● Mr. Rajesh Ramesh - Manager, Business and Project Development, MEA Power, Dubai, UAE</li> <li>● Mr.Aditya Dhadhathreyan, strategy and new business,Siemens,Gamesa</li> <li>● Dr.Ramya S Moorthy,Founder,Nimaya Robotics</li> <li>● Mr.Vijay Karthick Baskar, Internet of Things Engineer · Dover Corporation</li> <li>● Mr. Lakshmi Narayanan, Senior Engineer, SCIAMBLE , Business Contact, SCIAMBLE</li> <li>● Vivian Gonsalves, Sr. Marketing Manager · L'Oréal</li> </ul>

Name of the Department	<b>Information Technology</b>		
Course	B.Tech Information Technology		
Level	Under Graduate (UG)		
1 <sup>st</sup> year of approval by the Council	1996		
	2022-23	2021-2022	2020-2021
Year wise sanctioned intake	120	120	120
Year wise actual admission	116	119	116
Cut off marks – General quota		194	188
% Students passed with First Class with distinction	54	51	31
% Students passed with First Class	47	59	67.27
Students placed	74	94	92
Average Pay package, Rs/year	5.25 L	5.2 L	5.5
Students opted for Higher studies	15	13	3

Accreditation Status of the course	<ul style="list-style-type: none"> <li>● Accredited by NBA for five years from June 2016 to June 2022</li> <li>● Recognized as a National Resource Centre Of National Cyber Safety And Security Standards</li> <li>● Accredited by NAAC</li> </ul>
Doctoral Courses	Ph.D - Information Technology
Foreign collaborations, if any	MOU with Mastermind Academy MOU with Taylor's University, Malaysia
Professional Society Memberships	27 - ISTE Members 2 - International Computer Science and Engineering Society (ICSES) Member 2 - IAENG Member 1 - IEEE Member 1 - CSI Member 10 - CSTA Members
Professional Activities (Last three Academic years 2020-2021, 2019-2020 and 2018-2019)	<p><b>2022-2023</b>  <b>FDP/SEMINAR/WORKSHOPS/EVENTS ORGANIZED:</b></p> <ol style="list-style-type: none"> <li>1. Dr. V. Vidhya, HOD/INT, Dr. A. Kala, ASP/INT, Dr. P. Sharon Femi, ASP/INT and Mr. R. Saktheeswari AP/INT organized Four Day Workshop On "Walkthrough From AI &amp; ML to XAI" from 29.10.2022 and 01.11.2022.</li> <li>2. Dr. G. Sumathi, Prof/INT, Mr. V. Praveenkumar, AP/INT &amp; Ms. S. Kavishree AP/INT organized Five Day Online Workshop on "Quantum Computing and its Applications" from 19.09.2022 to 23.09.2022.</li> <li>3. Dr. P. Leela Rani, ASP/INT and Mr. AR. Guru Gokul AP/INT organized a Two Days Workshop on "EAT, TSA, CNA &amp; SNA IN PFMS E-GOVERNANCE" from 31.10.2022 and 01.11.2022.</li> <li>4. Dr. V. M. Sivagami, Prof/INT and Dr. A. Kala, ASP/INT organized National level Seminar on NAAC-Revised Assessment and Accreditation Framework in Collaboration with National Assessment and Accreditation Council on 24.11.2022 to 25.11.2022.</li> <li>5. Dr. V. Vidhya, HOD/INT, Dr. T. Sukumar, Prof/INT, Dr. V. M. Sivagami, Prof/INT, Dr. P. Leela Rani, ASP/INT organized an International Webinar on "Study Abroad – Sharper your dream to reality" on 24.12.2022.</li> <li>6. Dr. V. M. Sivagami, Prof/INT, Dr. P. Leela Rani, ASP/INT, Dr. D. Jayanthi, ASP/INT and Ms. P. Meenakshi AP/INT organized International Webinar on</li> </ol>

"Automation and migration challenges in Information Technology" on 28.01.2023.

7. Dr. V. M. Sivagami, Prof/ INT, Dr. P. Leela Rani, ASP/INT, Dr. A. Kala, ASP/INT, and Dr. P. Sharon Femi, ASP/INT organized International Webinar on "Business Analysis for Beginners" on 28.01.2023.

8. Dr. V. Vidhya, HOD/INT, Mr. AR. Guru Gokul AP/INT and Mr. E. Sivakumar AP/INT organized a One-day Faculty Development Programme titled "Shift Innovation Resilient Strategies for Academics" on 21.02.2023.

9. Dr. V. M. Sivagami, Prof/ INT, Mr. A. Thiyagarajan AP/INT, Mr. V. Praveenkumar AP/INT and Ms. S. Kavishee AP/INT organized a Webinar on "Metaverse and Evolving Technologies" on 04.04.2023.

10. Dr. V. M. Sivagami, Prof/ INT, Mr. A. Thiyagarajan AP/INT, Dr. N. Gobalakrishnan ASP/INT and Mr. N. Selvaganesh organized a one day workshop on "Exploring Cloud Technologies" on 06.04.2023.

11. Dr. A. Indumathi ASP/INT, Ms. N. Uma AP/INT, Ms. M. Sugacini AP/INT and Ms. S. Kavishree AP/INT organized a Workshop on "GOOGLE WORKSPACE" from 24.04.2023 to 28.04.2023.

#### **GUEST LECTURES ORGANISED:**

1. Dr. V. M. Sivagami Prof./INT, Ms. P. Leela Rani ASP/INT and Mr. A. Thiyagarajan AP/INT organized a Guest Lecture on "Current trends and future expectation of Industry " on 14.06.2022.

2. Dr. T. Sukumar Prof/INT and Dr. P. Sharon Femi ASP/INT organized a Guest Lecture on "Role Of IT In Watershed And Natural Resource Management – A Paradigm Shift" on 30.06.2022.

3. Dr. V. M. Sivagami Prof./INT, Ms. P. Leela Rani ASP/INT and Dr. K. Kiruthika Devi ASP/INT organized a Guest Lecture on "CHAMP for Better Communication" on 10.08.2022.

4. Dr. V. M. Sivagami Prof./INT and Ms. P. Leela Rani ASP/INT organized a Guest Lecture on "Alma mater-What matters that doesn't matter for your future" on 23.09.2022.

5. Dr. V. Vidhya HOD/INT and Mr. V. Ranjith AP/INT organized a Guest Lecture on "Recent Advancements in Artificial Intelligence and Data Analysis" on 21.10.2022.

6. Dr. A.Kala ASP/INT, Dr. P. Sharon Femi ASP/INT and Ms. R.

Saktheeswari AP/INT organized a Guest Lecture on “An Overview of Machine Learning Design Patterns” on 07.11.2022.

7. Dr. V. M. Sivagami Prof./INT, Mr. A. Thiyagarajan AP/INT, Ms. S. Jerusha AP/INT and Ms. S. Aiswarya AP/INT organized a Guest Lecture on “Full Stack Development” on 10.03.2023.

8. Dr. V. Vidhya HOD/INT, Dr. V. M. Sivagami Prof./INT, Dr. K. Kiruthika Devi ASP/INT and Mr. A. Thiyagarajan AP/INT organized a Guest Lecture on “Overview of REST API” on 16.05.2023.

**FDPs/STTP/workshop/conference/Seminar/webinar details:**

1. Dr. A. Kala, ASP/INT and Dr. P. Sharon Femi ASP/INT attended Five-day Online Faculty Training Programme on “Recent Trends in Cyber Security” organized by Anna University, CEG Campus from 13.06.2022 to 17.06.2022.

2. Dr. T. Sukumar, AHoD/INT attended the Mentor-Mentee Two days Training & Exposure Visit on “Innovation & Entrepreneurship” organized by the Institution Innovation Council (Ic201810371 – IIC SVCE Chennai), SVCE from 16.06.2022 to 17.06.2022.

3. Dr. V. Vidhya, HOD/INT attended Two days National Level Online Workshop on “Master the Communication Processes using Gmail” organized by Scrollwell on 05.07.2022 and 06.07.2022.

4. Dr. T. Sukumar, AHoD/INT attended a STTP on “Digital Tools for Faculty and Staff” organized by NITTR from 11.07.2022 to 15.07.2022.

5. Dr. D. Jayanthi, ASP/INT attended a webinar on “MATLAB & Python for AI” organized by Mathworks on 26.07.2022.

6. Dr. T. Sukumar, AHoD/INT attended the conference Bridge 2022 – Chennai (A high Impact Industry-Institute Interaction Event of India) organized by ICT Academy on 13.07.2022.

7. Dr. N. Devi ASP/INT, Dr. P. Leela Rani ASP/INT and Mr. A. R. Gurugokul AP/INT attended One week FDP on "Foundations of Data Science" organized by VNE Vignana Jyothi Institute of Engineering and Technology from 02.08.2022 to 07.08.2022.

8. Mr. E. Sivakumar AP/INT attended One week Faculty Development Program organized by PMO-IEDP (Innovation and Entrepreneurship Development) from

	<p>24.08.2022 to 28.08.2022.</p> <p>9. Mr. E. Sivakumar AP/INT attended One week Faculty Development Program organized by PMO-IEDP (Innovation and Entrepreneurship Development) from 21.09.2022 to 27.09.2022.</p> <p>10. Dr. N. Gobalakrishnan, ASP/INT attended Two Weeks International FDP on Data Science Tools organized by Easwari Engineering College from 07.10.2022 to 20.10.2022.</p> <p>11. Ms. M. Sugacini, AP/INT, attended FDP on “A Step-by-Step Guide to write Good research paper” organized by Research Foundation of India from 20.12.2022 to 29.12.2022.</p> <p>12. Dr. V. Vidhya HOD/INT, Dr. V. M. Sivagami, Prof/INT, Dr. D. Jayanthi ASP/INT, Mr. E. Sivakumar AP/INT attended FDP on “ organized by SVCE from 07.11.2022 to 11.11.2022.</p> <p>13. Dr. V. Vidhya HoD/INT, Dr. D. Jayanthi ASP/INT, and Dr. P. Sharon Fem ASP/INT, attended National Level Seminar on NAAC-Revised Assessment and Accreditation Framework organized by IQAC, SVCE on 24.11.2022 and 25.11.2022.</p> <p>14. Dr. V. Vidhya HoD/INT attended Two-Day Workshop on “EAT, TSA, CNA &amp; SNA IN PFMS E-GOVERNANCE” organized by SVCE from 31.10.2022 to 01.11.2022.</p> <p>15. Dr. T. Sukumar, AHoD/INT attended the AICTE FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE from 31.10.2022 to 04.11.2022.</p> <p>16. Dr. G. Sumathi, Prof/INT and Mr. E. Sivakumar AP/INT attended Online workshop on “Linear Algebra for Computer Science and Machine Learning” organized by NPTEL, IITM on 19.11.2022 and 20.11.2022.</p> <p>17. Dr. G. Sumathi Prof/INT attended Three Days FDP on “How Teachers Can Make a Difference” organized by Teaching Learning Center, IITM &amp; PALS from 01.12.2022 to 03.12.2022.</p> <p>18. Dr. G. Sumathi Prof/INT, Dr. K. Suresh ASP/INT, Mr. V. Ranjith AP/INT, Mr. V. Praveenkumar AP/INT, Mr. A. Thiyagarajan AP/INT and Dr. V. R. Vimal AP/INT attended Five Days FDP on “Research Advancements in Intelligent Computing Technologies” organized by Sri Krishna College of Engineering and Technology, Coimbatore from 19.12.2022 to 23.12.2022.</p> <p>19. Dr. D. Jayanthi ASP/INT, Dr. K. Kiruthika Devi ASP/INT, Ms. A. Kalavathi AP/INT, Ms. N. Uma, AP/INT, Ms. P. Jerusha AP/INT, Mr. E. Sivakumar AP/INT,</p>
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	<p>Ms. P. Meenakshi AP/INT and Ms. S. Kavishree AP/INT attended Four Days workshop on “Walkthrough from AI &amp; ML to XAI” organized by SVCE from 26.10.2022 to 29.10.2022.</p> <p>20. Dr. A. Kala ASP/INT, Dr. P. Sharon Femi ASP/INT, Ms. A. Indumathi AP/INT, Ms. N. Uma AP/INT and Ms. P. Meenakshi AP/INT attended Five days online workshop on “Quantum Computing and its Applications” organized by SVCE from 19.09.2022 to 23.09.2022</p> <p>21. Dr. K. Suresh ASP/INT and Mr. V. Ranjith AP/INT attended Three Days FDP on “Disruptive Technologies for Next Gen Computing” organized by Sri Krishna College of Technology, Coimbatore from 14.12.2022 to 16.12.2022.</p> <p>22. Ms. A. Indumathi, AP/INT and Ms. N. Uma AP/INT attended Five days online FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE from 14.11.2022 to 18.11.2022.</p> <p>23. Mr. V. Praveenkumar AP/INT attended Five Days FDP on “Current Trends in Information Technology” organized by MEASI Institute of Information Technology from 26.09.2022 to 30.09.2022.</p> <p>24. Ms. N. Uma, AP/INT attended one day FDP on “Cloud Computing” organized Tamilnadu government, edurekha on 26.10.2022.</p> <p>25. Ms. R. Saktheeswari AP/INT, attended FDP on “Artificial Engineering &amp; Machine Language” organized by PALS on 28.10.2022.</p> <p>26. Mr. A. Thiagarajan AP/INT attended Two-Day National Seminar on Impact of Disruptive Technologies in Sustaining Rural Healthcare for Modern India organized by VIT, Vellore on 16.12.2022 and 17.12.2022.</p> <p>27. Dr. N. Devi ASP/INT, Dr. A. Kala ASP/INT, Dr. K. Kiruthika Devi ASP/INT, Dr. P. Sharon Femi ASP/INT, Dr. P. Leela Rani ASP/INT, Ms. S. Kalavathi AP/INT, Ms. S. Jerusha AP/INT, Mr. AR. Guru Gokul AP/INT, Mr. E. Sivakumar AP/INT, Ms. P. Meenakshi AP/INT, Mr. V. Praveenkumar AP/INT and Ms. S. Kavishree AP/INT attended One day workshop on Curriculum Design organized by SVCE on 28.10.2022.</p> <p>28. Dr. T. Sukumar Prof/INT, Dr. V. M. Sivagami Prof/INT, Dr. N. Devi ASP/INT, Dr. D. Jayanthi ASP/INT, Dr. P. Leela Rani ASP/INT, Dr. A. Kala ASP/INT, Dr. P. Sharon Femi ASP/INT, Ms. A. Indumathi ASP/INT, Ms. N. Uma AP/INT, Ms. M. Sugacini AP/INT, MR. AR. Guru Gokul AP/INT, Mr. E. Sivakumar AP/INT, Ms. P. Meenakshi AP/INT, Mr. V. Praveenkumar AP/INT attended IP Awareness/Training organized by National Intellectual Property Awareness Mission on 30.01.2023.</p>
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29. Ms. N. Uma AP/INT, Ms. M. Sugacini AP/INT attended IP Awareness Program organized by National Intellectual Property Awareness Mission on 02.11.2022.

30. Dr. A. Kala ASP/INT, Dr. K. Kiruthika Devi ASP/INT, Dr. P. Sharon Femi ASP/INT, Ms. P. Meenakshi AP/INT, Mr. S. Aravind Kumar AP/INT and Ms. S. Kavishree AP/INT attended Webinar on "Analytics in HR" Organized by Imarticus Academy on 23.09.2022.

31. Ms. N. Uma, AP/INT INT and Ms. M. Sugacini AP/INT attended Faculty Enablement Program on python programming Organized by Infosys Springboard from 17.10.2022 to 21.10.2022.

32. Dr. V. Vidhya HOD/ INT, Dr. T. Sukumar Prof/INT, Dr. V. M. Sivagami Prof/INT, Dr. C. Yaashuwanth, Prof/INT, Dr. N. Devi, ASP/INT, Dr. D. Jayanthi ASP/INT, Dr. P. Leela Rani ASP/INT, Dr. P. Sharon Femi, ASP/INT, Ms. A. Indumathi, ASP/INT, Ms. S. Kalavathi, AP/INT, Ms. N. Uma, AP/INT, Ms. M. Sugacini AP//INT and Mr. S. Aravind Kumar, AP/INT attended One day Faculty Development Programme titled " Shift Innovation Resilient Strategies for Academics" organized by SVCE on 21.02.2023.

33. Dr. V. Vidhya HOD/INT, Dr. G. Sumathi Prof/INT, Dr. A. Kala ASP/INT, Dr. P. Sharon Femi ASP/INT attended AICTE Sponsored workshop on "Gender Audits in Higher Education Institutions: The Why and How?" organized by SVCE on 27.01.2023 and 28.01.2023.

34. Ms. A. Indumathi ASP/INT attended FDP on "Fundamentals of Data Science and Analytics" organized by R.M.K. College of Engineering and Technology from 03.01.2023 to 07.01.2023.

35. Dr. P. Leela Rani ASP/INT and Mr. AR. Guru Gokul AP/INT attended FDP on "Foundations of Modern Cryptography and Blockchain" organized by NIT Calicut from 26.11.2022 to 20.12.2022.

36. Dr. V. Vidhya HOD/INT, Dr. G. Sumathi Prof/INT, Dr. V. M. Sivagami Prof/INT, Dr. N. Devi ASP/INT and Dr. K. Suresh ASP/INT attended three days FDP on The Art of Living (Capacity Building for Productivity Enhancement) organized by SVCE from 09.01.2023 to 11.01.2023.

37. Dr. V. Vidhya HOD/INT, attended the International Online workshop on "SEM and CFA using AMOS" organized by Global Institute of Statistical Solutions from 18.03.2023 to 20.03.2023.

38. Dr. V. Vidhya HOD/INT, Dr. D. Jayanthi ASP/INT, Dr. P. Leela Rani ASP/INT

	<p>Dr. A. Kala ASP/INT, Dr. K. Kiruthika Devi ASP/INT, Dr. P. Sharon Femi ASP/INT, Mr. AR. Guru Gokul AP/INT, Mr. V. Praveenkumar AP/INT and Mr. A. Thiagarajan AP/INT attended two days FDP on “FINTECH” organized by Imarticus Learning Pvt. Ltd. from 17.03.2023 to 18.03.2023.</p> <p>39. Dr. V. Vidhya HOD/INT, Dr. N. Gobalakrishnan ASP/INT, Dr. D. Jayanthi ASP/INT, Dr. K. Kiruthika Devi ASP/INT, Ms. S. Jerusha AP/INT, Mr. V. Ranjith AP/INT, Mr. E. Sivakumar AP/INT, Ms. S. Aiswarya AP/INT, Ms. P. Meenakshi AP/INT, Ms. S. Kavishree AP/INT, Mr. N. Selvaganesh AP/INT, Mr. S. Aravind Kumar AP/INT attended National Level FDP on “Innovative Teaching Strategies and Tools in the Digital Age” organized by Scrollwell from 01.03.2023 to 14.03.2023.</p> <p>40. Dr. D. Jayanthi ASP/INT, Dr. A. Kala ASP/INT, Dr. P. Sharon Femi ASP/INT and Mr. V. Praveenkumar AP/INT attended FDP on “Exploring Next Generation Smart Solutions” organized by Sri Sivasubramaniya Nadar College of Engineering from 06.03.2023 to 08.03.2023.</p> <p>41. Dr. V. M. Sivagami Prof/INT, Dr. D. Jayanthi ASP/INT and Mr. E. Sivakumar AP/INT attended Six days FDP on Tamils in Technology organized by Anna University, Chennai from 20.03.2023 to 25.03.2023.</p> <p>42. Dr. N. Devi ASP/INT, Dr. P. Leela Rani ASP/INT and Mr. AR. Guru Gokul AP/INT attended an Online workshop on “Development of Autonomous Drones” organized by IIT Hyderabad from 27.03.2023 to 31.03.2023.</p> <p>43. Dr. A. Kala ASP/INT and Dr. P. Sharon Femi ASP/INT attended STTP on “Advanced Approaches and Insights on Artificial Intelligence and Deep Learning in Health Care” organized by SVCE from 27.03.2023 to 31.03.2023.</p> <p>44. Ms. R. Saktheeswari AP/INT attended Online FDP on “Computational Intelligence” Organized by Presidency University, Bangalore from 25.04.2023 to 02.05.2023.</p> <p>45. Dr. C. Yaashuwanth Prof/INT attended 5-day Inline FDP on “Inculcating Universal Human Values in Technical Education” Organized by AICTE from 06.03.2023 to 10.03.2023.</p> <p>46. Dr. P. Sharon Femi ASP/INT attended FDP on “Education 5.0” organized by Dr. M.G.R Educational and Research Institute from 15.05.2023 to 19.05.2023.</p> <p>47. Ms. M. Sugacini AP/INT attended FDP on “New Age Technologies” Organized by VIT, AP from 28.03.2023 to 01.04.2023.</p> <p>48. Mr. AR. Guru Gokul AP/INT, Mr. V. Praveenkumar AP/INT and Mr. A.</p>
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THiyagarajan AP/INT attended Faculty Skill Enrichment Programme on “Data Analytics” organized by TheMathCompany, Bangalore from 24.04.2023 to 28.04.2023.

49. Ms. N. Uma AP/INT attended ICSSR Sponsored Two Days National Seminar on “cyber security governance and risk management for modern India: challenges and opportunities” organized by SVCE from 27.04.2023 to 28.04.2023

50. Dr. T. Sukumar Prof/INT attended Workshop on “One API Tool Kit” organized by SVCE on 24.02.2023.

51. Dr. C. Yaashuwanth Prof/INT attended IP Awareness/Training program under national intellectual property awareness mission on 16.03.2023.

52. Dr. A. Kala ASP/INT, Dr. P. Sharon Femi ASP/INT and Ms. M. Sugacini AP/INT attended Seminar on “Introduction to Blockchain Technology” organized by PAL on 04.04.2023.

53. Dr. A. Kala ASP/INT, Dr. P. Sharon Femi ASP/INT, Ms. R. Saktheeswari AP/INT and Ms. N. Uma AP/INT attended Seminar on “AI for Agriculture” organized by PAL on 05.04.2023.

#### **FDP/Workshop Resource Person**

1. Dr. D. Jayanthi, ASP/INT delivered a technical talk on “Deep Learning” for National Conference on communication and Informatics (NCCI 2022) on 14.06.2022 organized by SVCE.

2. Dr. T. Sukumar Prof/INT delivered technical talk on “Cyber Security in Engineering Applications” for the 2022 1<sup>st</sup> International Conference on Computational Social Sciences and Sustainability/ 2022 7<sup>th</sup> International Symposium on multi-disciplinary Inclusiveness, Education, Management and Law Services on 05.07.2022.

3. Dr. D. Jayanthi, ASP/INT delivered a technical talk on “Deep Learning” for the International Conference on Emerging Trends in Science, Engineering & Technology organized by Jerusalem College of Engineering on 07.07.2022 and 08.07.2022.

4. Dr. T. Sukumar, Prof/INT delivered a topic titled “Intelligent Information Processing” for the ICIIP conference on 30.09.2022 organized by Romanian American University.

5. Dr. V. M. Sivagami Prof/INT delivered a technical talk in Excel Workshop on 16.09.2022 organized by MOP Vaishnav College for Women.

6. Mr. V. Ranjith AP/INT delivered a technical talk on “Maximum flow algorithm (Design and Analysis of algorithm)” on 27.10.2022 in Velammal Institute of technology.

7. Dr. C. Yaashuwanth acted as resource person for the webinar “IoT Design

Methodologies” on 19.11.2022 organized by Krishnasamy College of Engineering & Technology.

8. Dr. P. Leela Rani, ASP/INT delivered a technical talk on “Software Testing” on 18.11.2022 for the event One day Workshop on Design Patterns & Testing in Object Oriented Design organized by Jerusalem College of Engineering.

9. Dr. N. Devi, ASP/INT delivered a technical talk on “mapping Design to code - hands on” on 18.11.2022 for the event One day Workshop on Design Patterns & Testing in Object Oriented Design organized by Jerusalem College of Engineering.

10. Mr. AR. Guru Gokul, AP/INT delivered a technical talk on “Design patterns” on 18.11.2022 for the event One day Workshop on Design Patterns & Testing in Object Oriented Design organized by Jerusalem College of Engineering.

11. Dr. D. Jayanthi, ASP/INT delivered technical talk on “Exploratory Data Analysis and Web Scraping techniques” on 26.10.2022 for the event Four Days Workshop on “WALKTHROUGH FROM AI & ML TO XAI” organized by SVCE.

12. Dr. A. Kala, ASP/INT delivered a technical talk on “Pandas and Numpy packages” on 26.10.2022 for the event Four Days Workshop on “WALKTHROUGH FROM AI & ML TO XAI” organized by SVCE.

13. Dr. P. Sharon Femi, ASP/INT delivered a technical talk on “Statistics and Probability in Data Science” on 27.10.2022 for the event Four Days Workshop on “WALKTHROUGH FROM AI & ML TO XAI” organized by SVCE.

14. Mr. A. Thiagarajan AP/INT acted as resource person in the guest lecture on “Object Oriented Programming” on 28.10.2022 organized by Velammal Institute of technology.

15. Mr. E. Sivakumar AP/INT delivered a talk on “Yoga and Meditation” on 11.11.2022 for Student Induction Programme organized by SVCE.

16. Dr. T. Sukumar Prof/INT acted as Journal Reviewer in the 3rd International Conference on Machine Intelligence and Smart Systems organized by Shri Ram Institute of Information Technology.

17. Ms. N. Uma AP/INT delivered a session “Introduction to Google Workspace” for Workshop on Google Workspace organized by SVCE.

#### **Session Chair in Conferences**

1. Dr. V. Vidhya HOD/INT, Dr. G. Sumathi Prof/INT, Dr. V. M. Sivagami Prof/INT, Dr. C. Yaashuwanth Prof/INT and Dr. T. Sukuma Prof/INT acted as session chair in the National Conference on Communication and Informatics 2022 organized by SVCE on 14.06.2022.

2. Dr. T. Sukumar, Prof/INT delivered the keynote speech at the 7th International Conference on Intelligent Information Processing Bucharest, Romania on 30.10.2022.

3. Dr. D. Jayanthi ASP/INT, Acted as a Panel judge for business pitch IDEA-O-LITE 2022 on 17.11.2022.

4. Dr. V. M. Sivagami Prof/INT acted as Technical Committee member and session chair in the International Conference on Information system and software

engineering organized by Meenakshi Sundararajan Engineering College on 05.06.2023.

**NPTEL & Other Certifications**

1. Dr. G. Sumathi Prof/INT Completed NPTEL course on “Quantum Algorithms and Cryptography” during April 2023.
2. Dr. A. Kala ASP/INT Completed Infosys Springboard course on “Introduction to Artificial Intelligence” during November 2022
3. Dr. A. Kala ASP/INT Completed Infosys Springboard course on “Introduction to Data Science” during November 2022
4. Dr. A. Kala ASP/INT Completed Infosys Springboard course on “Introduction to Natural Language Processing” during November 2022
5. Dr. K. Kiruthika Devi ASP/INT Completed Infosys Springboard course on “Introduction to Data Science” during November 2022
6. Dr. K. Kiruthika Devi ASP/INT Completed Infosys Springboard course on “Introduction to Artificial Intelligence” during January 2023
7. Dr. P. Sharon Femi ASP/INT Completed Infosys Springboard course on “Introduction to Artificial Intelligence” during November 2022
8. Dr. P. Sharon Femi ASP/INT Completed Infosys Springboard course on “Introduction to Data Science” during November 2022
9. Dr. P. Sharon Femi ASP/INT Completed Infosys Springboard course on “Introduction to Natural Language Processing” during November 2022
10. Dr. P. Sharon Femi ASP/INT Completed Infosys Springboard course on “Introduction to Deep Learning” during November 2022
11. Dr. P. Sharon Femi ASP/INT Completed Infosys Springboard course on “Computer Vision 101” during November 2022
12. Dr. P. Sharon Femi ASP/INT Completed Infosys Springboard course on “Introduction to Robotic Process Automation” during November 2022
13. Dr. P. Sharon Femi ASP/INT Completed Infosys Springboard course on “Artificial Intelligence Primer Certification” during January 2023
14. Ms. N. Uma AP/INT Completed Infosys Springboard course on “Basics of Python” during October 2022
15. Ms. N. Uma AP/INT Completed Infosys Springboard course on “Programming Fundamentals using Python - Part 1” during October 2022
16. Ms. N. Uma AP/INT Completed Infosys Springboard course on “Programming Fundamentals using Python - Part 2” during October 2022

17. Ms. N. Uma AP/INT Completed Infosys Springboard course on “Python Foundation Certification” during October 2022

18. Mr. E. Sivakumar AP/INT Completed NPTEL course on “Linear Algebra for Computer Science and Machine Learning” during November 2022

### **BOOKS CHAPTERS PUBLISHED**

- Dr. N. Devi ASP/INT, Dr. P. Leela Rani, ASP/INT and Mr. AR. Guru Gokul, AP/INT has published a Book chapter titled "*Introduction to Blockchain Technology*" published in Bentham Science, Netherlands, pp 1-25 (25), June 2023.
- Dr. K. Kiruthika Devi, Associate Professor ,and Dr. B.T.Shobana ,former faculty ,Department of Information Technology,published a Book chapter titled "Ensemble Learning Based Feature Selection for Detection of Spam in the Twitter Network in the Springer Book Series, “Algorithms for Intelligent Systems”.
- Dr T Sukumar, Prof & AHoD/INT, Dr V Vidhya, Prof & Head/INT, Ms. S Aishwarya, AP/INT, Mr. Hariharan, AP/BIO, Mr. Nagavignesh, AP/BIO published a Book chapter titled "*Penta Cancer Detection using Deep Learning Technique*" in Springer, AISC book series, pp 781-796, volume 1439, April 2023.

### **2021-2022.**

- Ms. N. Uma, Ms. M. Sugacini, organized the Online Certification Program on “Advanced Excel” from 07.07.2021 to 12.07.2021.
- Ms.A.Kala, Ms.K.kiruthika Devi, Ms.P. Sharon Femi organized the Guest Lecture on “What not to do to be an entrepreneur” on 23.07.2021.
- Dr.V.M.Sivagami, Ms.P.Leela Rani, Ms.K.Kiruthika Devi organized the Guest Lecture on “Evolution to Cloud” on 29.09.2021.
- Dr. V. M. Sivagami, Ms. P. Leela Rani, Mr. AR. Guru Gokul organized the Students Workshop & Faculty Development Programme on “Cyber Security” on 21.10.2021.
- Dr.V.M.Sivagami, Ms.P.LeelaRani organized the Guest Lecture on “Cyber Security Awareness” on 30.10.2021.
- Dr.G.Sumathi, Ms.G.Sangeetha & Ms.A.Indumathi organized the Five days Online Workshop on “Chatbots in Healthcare - Patientcare in the new normal” from 15.11.2021 to 19.11.2021.
- Dr.V.M.Sivagami,Ms.A.Kala organized a Two days online workshop on “Data Visualization using Tableau” on 29.11.2021 and 30.11.2021.
- Dr.V.Vidhya, Mr. V. Ranjith organized a webinar on “Cybersecurity Essentials” on 05.12.2021.
- Dr.V.M.Sivagami, Ms.P.LeelaRani, Ms.D.Jayanthi organized a Guest

	<p>Lecture on “Data Governance” on 04.12.2021.</p> <ul style="list-style-type: none"> <li>● Dr.V.Vidhya, Mr. V. Ranjith organized ASPIRE - Guest Lecture on Career Guidance” on 22.01.2022</li> <li>● Dr.V.M.Sivagami, Ms.P.Leela Rani organized the Workshop on “Cyber Security through Deep Learning” on 31.01.2022.</li> <li>● Ms. N. Uma, Ms. M. Sugacini organized an Online Workshop on “WEB DESIGN FOR EVERYONE” from 31.01.2022 to 04.02.2022.</li> <li>● Ms. A. Kala, Dr. P. Sharon Femi, Dr. V. Vidhya, Mr. V. Ranjith, organized “HACKIT - A 24-Hour online Industry-associated Hackathon” on 12.05.2022 and 13.05.2022.</li> <li>● Dr.V.Vidhya, Dr.V.M.Sivagami, Ms.P.LeelaRani, Ms.S.Jerusha organized a Guest Lecture on “Cyber security Driven Industrial applications” on 25.05.2022.</li> <li>● Dr. T. Sukumar organized the webinar on “Data WareHouse and Business Intelligence” on 30.05.2022.</li> </ul> <p><b><u>FDP/Workshop Resource Person</u></b></p> <ul style="list-style-type: none"> <li>● Dr. V. Vidhya, Prof&amp; Head/INT delivered a technical talk on “Machine Learning in day-to-day life” in Three days online FDP on “Research Perspectives in AI &amp; Its Applications” on 22.07.2021 organized by R.M.K. College of Engineering and Technology.</li> <li>● Dr. G. Sumathi, Prof/INT delivered a lecture in a webinar on “Information Security in data transmission through next generation networks” on 15.11.2021 organized by Periyar Maniammai Institute of Science &amp; Technology, Thanjavur.</li> <li>● Ms. D. Jayanthi, AP/INT delivered a technical talk on “Getting the most out of pivot table and pivot chart reports” in Online Certification Program on Advanced Excel on 12.07.2021 organized by SVCE.</li> <li>● Ms. D. Jayanthi, AP/INT delivered a technical talk on “Deep Generative Models &amp; Applications” in Three days online FDP on “Research Perspectives in AI &amp; Its Applications” on 23.07.2021 organized by R.M.K. College of Engineering and Technology.</li> <li>● Ms. A. Kala, AP/INT delivered a technical talk on “ML for Predictive Modeling” in Three days online FDP on “Research Perspectives in AI &amp; Its Applications” on 22.07.2021 organized by R.M.K. College of Engineering and Technology.</li> <li>● Ms. P. Sharon femi, AP/INT delivered a special lecture on “Introduction to Python” in the value added course on “Signal Processing using Simulation tool” on 03.08.2021 organized by SVCE.</li> <li>● Ms. A. Indumathi, AP/INT delivered technical talk on “Basics of Python” for the SPDC students on 04.09.2021.</li> <li>● Ms. A. Indumathi, AP/INT delivered technical talk on “Index and Match” for the online certification program on Advanced Excel on 11.07.2021 organized by SVCE.</li> <li>● Ms. S. Aiswarya, AP/INT delivered technical talk on “Basics of Python with Hands-on Session” for the SPDC students on 28.08.2021.</li> </ul>
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	<ul style="list-style-type: none"> <li>• Ms. S. Aiswarya, AP/INT delivered technical talk on “Working with functions” for the online certification program on Advanced Excel on 07.07.2021 organized by SVCE.</li> <li>• Ms. A. Indumathi, AP/INT delivered a technical talk on “Web page Design using HTML5” for the online workshop on “Web Design for Everyone” on 31.01.2022 organized by SVCE.</li> <li>• Mr. V. Ranjith, AP/INT delivered a technical talk on “Website design using PHP with Backend Connectivity” for the online workshop on “Web Design for Everyone” on 31.01.2022 organized by SVCE.</li> <li>• Dr. N. Devi, ASP/INT delivered a technical talk on “Introduction to Image Processing” for Two-day hands-on Training Programme “Image Processing using OpenCV” on 16th and 17th February 2022 organized by Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya (SCSVMV), Kanchipuram.</li> <li>• Ms. P. Leela Rani, AP/INT, delivered a technical talk on “Basic image processing techniques using OpenCV” for Two-day hands-on Training Programme “Image Processing using OpenCV” on 16th and 17th February 2022 organized by Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya (SCSVMV), Kanchipuram.</li> <li>• Mr. A. R. Guru Gokul, AP/INT, delivered a technical talk on “Advanced image and video processing techniques using OpenCV” for Two-day hands-on Training Programme “Image Processing using OpenCV” on 16th and 17th February 2022 organized by Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya (SCSVMV), Kanchipuram.</li> <li>• Dr. G. Sumathi, Prof/INT delivered in a session titled “Role of Quantum Computing in Cyber Security” for the event FDP on Research Trends in Network Security on 09.03.22 organized by the Department of Electronics and Communication Engineering in association with IETE Chennai.</li> <li>• Dr. V. Vidhya, HOD/INT and Ms. R. Saktheeswari, AP/INT delivered a technical tack on “Brainstorming, Ideation, Conceptualization and Building solution to Problem Statements” for the SVCE Hackathon Workshop for Schools on 12.03.2022.</li> <li>• Dr. T. Sukumar, AHOD/INT, delivered a technical talk on “Basic to Advanced in C” for SUKALP (Centre for Skill &amp; Personality Development) held on 12.03.2022.</li> <li>• Dr. V. Vidhya, HOD/INT, delivered a technical talk on “Syntactic Parsing – Parsing Strategy” organized by VELS Institute of Science, Technology &amp; Advanced Studies on 14.03.2022.</li> <li>• Dr. D. Jayanthi, ASP/INT, delivered a technical talk on “Knowledge Representation” on 16.05.2022 organized by Velammal Institute of Technology.</li> <li>• Dr. P. Sharon Femi, AP/INT, delivered a technical talk on “Game Playing” for One day Guest Lecture on ADB 402 - Artificial Intelligence - I on 06.04.2022 organized by Dhanalakshmi College of Engineering</li> <li>• Ms. A. Kala, AP/INT, delivered a technical talk on “Constraint Satisfaction Problem” for One day Guest Lecture on ADB 402 - Artificial Intelligence - I on 06.04.2022 organized by Dhanalakshmi College of Engineering</li> </ul>
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2.	<ul style="list-style-type: none"> <li>● Ms. N. Uma, AP/INT, delivered a technical talk in a webinar on “GUI Programming using Python” on 18.03.2022 organized by Vels University.</li> <li>● <b>NPTEL &amp; Other Certifications</b> <ol style="list-style-type: none"> <li>i. Dr. V. M. Sivagami, Ms. P. Sharon Femi, Mr. A. Kala completed “Aruba Networking Basics” course in Coursera</li> <li>ii. Dr. V. M. Sivagami, Ms. P. Sharon Femi, Mr. A. Kala, Mr. A. Thiagarajan completed “Getting started with AWS machine learning” course in Amazon.</li> <li>iii. Ms.A. Indumathi completed “Machine Learning Onramp” course in Mathworks.</li> <li>iv. Dr. V. M. Sivagami completed “Introduction to Cloud Identity” course Google Cloud Through CourseEra.</li> <li>v. Dr. V. M. Sivagami completed “Introduction to AWS Identity and access Management” in Amazon Web Services and offered through Coursera .</li> <li>vi. Dr. K. Suresh completed “IOT edge computing and analytics” course in Infosys Springboard.</li> <li>vii. Dr. K. Suresh completed “Internet of Things 201” course in Infosys Springboard.</li> </ol> </li> </ul> <p style="text-align: center;"><b>2020-2021.</b></p> <ul style="list-style-type: none"> <li>● Dr.G.Sumathi, Ms.D.Jayanthi, organized the webinar on “Real time AI in Business Intelligence Applications” on 03.06.2020.</li> <li>● Dr.T. Sukumar, Mr.E. Sivakumar organized the webinar on “Cyber security in covid19” on 04.06.2020.</li> <li>● Ms. N. Devi, Ms. P. Leela Rani, Mr. AR. Guru Gokul organized the webinar on “Identity and Access Management in Cloud” for students on 06.06.2020.</li> <li>● Ms.K.Kiruthika Devi, Ms.A.Kala, Ms.P.Sharon Femi organized the International webinar on “Blockchain101” on 06.06.2020.</li> <li>● Ms.R.Saktheeswari, Mr.K.Suresh, Mr.V.Ranjith organized the webinar on “Regression Analysis in Python” on 08.06.2020.</li> <li>● Ms.A.Kala, Ms.K.Kiruthika Devi, Ms.P.Sharon Femi organized the webinar on “Opportunities for Freshers in the Data Analytics Industry” on 09.06.2020.</li> <li>● Ms.G.Sangeetha, Ms.A.Indumathi, Ms.N.Uma attended Four Days online workshop on “Web development Using Java” during 10.06.2020 to 13.06.2020.</li> <li>● Ms.R.Saktheeswari, Ms.P.Nirmala, Ms.M.Sugacini organized a webinar on “Introduction to Enterprise architecture and deep dive into business architecture” on 12.06.2020</li> <li>● Ms.V.M.Sivagami, Ms.S.Kalavathi, Ms.P.Nirmala organized online “Advanced Excel workshop” on 12.06.2020</li> <li>● Ms.G.Sangeetha, Ms.A.Indumathi, Mr.V.Rajaram organized the webinar on “Working Concept of SAP” on 13.06.2020</li> <li>● Ms.G.Sangeetha, Ms.A.Indumathi, Ms.P.Meenakshi organized the webinar on “Challenges in 4G and 5G Technology” on 20.06.2020.</li> <li>● Ms. P. Leela Rani, Ms. N. Devi, Ms.D. Jayanthi, Mr. AR. Guru Gokul organized four day national “online programming quiz competition” from 19 th</li> </ul>
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	<p>June, 2020 to 22 nd June, 2020.</p> <ul style="list-style-type: none"> <li>● Ms.G.Sangeetha, Ms.A.Indumathi, Ms.P.Meenakshi organized the webinar on “Optimum Cyber Security Functions Required for an Organization” on 26.06.2020.</li> <li>● Dr.C.Yaashuwanth, Ms.R.Saktheeswari organized a three days online workshop on “Data science and machine language “ during 26.06.2020 to 28.06.2020 organized by SVCE.</li> <li>● Ms.D.Jayanthi, Ms. N. Devi, Ms. P. Leela Rani, Mr. AR. Guru Gokul organized the webinar on “Deployment of Machine Learning Models in AWS using Flask Framework” on 04.07.2020</li> <li>● Ms.S. Jerusha, Ms.S.Aiswarya organized the webinar on “Introduction to Bagging-An Understanding of Random Forest " on 11.07.2020.</li> <li>● Ms. N. Devi, Ms. P. Leela Rani, Mr. AR. Guru Gokul organized the webinar on “Are you Agile” on 11.07.2020 and 18.07.2020.</li> <li>● Dr. T. Sukumar, Mr.E. Sivakumar and Ms.S.Aiswarya organized an online FDP on Design thinking from 13.07.2020 to 17.07.2020.</li> <li>● Ms.P.Nirmala, Ms.R.Saktheeswari, Mr.V.Rajaram organized webinar on the new normal thinking on 13.08.2020</li> <li>● Dr.G.Sumathi,Prof/IT, Ms.D.Jayanthi,AP/IT &amp; Mr.AR.GuruGokul,AP/IT organized AICTE sponsored ATAL Online Five Days FDP on "Deep Learning for Cybersecurity" during 30/11/2020-04/12/2020 at SVCE.</li> <li>● IT Department faculty organized a Six days technical training program under CSI -SVCE student Chapter volunteers during 23/11/2020 – 28/11/2020.</li> <li>● Dr.V.Vidhya,Prof &amp; Head/IT, Mr.E.Sivakumar,AP/IT, organized a webinar on “entrepreneurship opportunities in IT” on 29th Dec 2020.</li> <li>● Dr. V.M.Sivagami,ASP/INT and Mr.V.Rajaram, AP/INT organized the Webinar on “Application Performance Engineering” on 29.03.2021.</li> <li>● Ms. N. Devi, AP/INTMs. P. Leela Rani, AP/INT, Ms. D. Jayanthi, AP/INT and Mr. A. R. Guru Gokul AP/INT organized FDP on MATLAB for Data Scientistsfrom 05.04.2021 to 09.04.2021.</li> <li>● Ms.K.Kiruthika Devi, AP/INT, Ms.A.Kala, AP/INT and Ms.P. Sharon Femi AP/INT organized a Webinar on “Start Hacking Legally” on 10.04.2021.</li> <li>● Mr.K.Suresh, AP/INT organized a One-day workshop on “Basics of IOT Application” on 22.04.2021.</li> <li>● Ms.D.Jayanthi, AP/INT organized a Webinar on “Importance of Mathematics in Engineering - A Bird's eye view” on 29.04.2021.</li> <li>● Dr.V.M.Sivagami,ASP/INT and Mr.V.Rajaram, AP/INT organized the Webinar on “Customer Centricity Transformation” on 17.05.2021.</li> </ul> <p><b>Session Chair in Conferences</b></p> <ul style="list-style-type: none"> <li>● Dr.V.Vidhya, Prof &amp; Head/IT, Dr.G.Sumathi, Prof/IT, Ms.V.M.Sivagami, ASP/IT, Dr.T.Sukumar, ASP/IT, Dr.C.Yaashuwanth, ASP/IT &amp; Ms.N.Devi, AP/IT chaired the Sessions for the International Conference on “Smart Materials &amp; Emerging Technologies for Industry 4.0” (SMETI 2020) organised by Sri Venkateswara College of Engineering, Pennalur on 16th and 17th October, 2020.</li> <li>● Dr.V.M.Sivagami, ASP/IT chaired the Sessions for the International</li> </ul>
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	<p>Conference on Innovations in Information and Communication Technology (INCIICT 2021) held on April 10,2021 at Meenakshi Sundararajan Engineering College, Chennai.</p> <ul style="list-style-type: none"> <li>● Dr.V.M.Sivagami, ASP/IT chaired the Sessions for the National conference on Signal Processing, Communication and Networking (NCSPN-2021) held on 07.05.2021.</li> </ul>
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<p>Grants fetched</p> <p>(Last three Academic years 2020-2021,2019-2020 and 2018-2019)</p>	<ul style="list-style-type: none"> <li>● Dr.C.Yaashuwanth et. al published a Design patent titled " Detachable Solar Heater" in IPR; Kolkata, Dated 11/11/2022, pp:72329</li> <li>● Dr.C.Yashuwanth Prof/INT, Dr.P.. Leela Rani, ASP/INT , and Mr A.R.Guru Gokul, AP/INT published a Design patent titled "A SUPERCAPACITOR POWER DEVICE", in IPR; Kolkata Dated 28/04/2023 pp. 33924</li> <li>● Patent has been granted to Dr. V. M. Sivagami Prof/INT et. al for an invention entitled "AUGMENTED REALITY GLASSES FOR SKIN CANCER CLASSIFICATION", Dated 04.05.2023</li> <li>● Dr.Yashwanth, Prof/IT and Dr.K.Suresh filed a Design patent titled "A Portable Agriculture Monitoring Device ", in IPR; Kolkata which was granted on 19/05/2023</li> <li>● Dr. N. Gobalakrishnan et. al published a Design patent titled "CRYPTOGRAPHIC HASH ENCRYPTION SECURE ALGORITHM OF CONFIDENTIAL DATA BY USER VALIDATING SCHEME FOR THE MEDICAL HEALTHCARE" in IPR, Dated 07/10/2022.</li> <li>● Dr. N. Gobalakrishnan et. al published a Design patent titled "INSPECTION OF WIRELESS AD-HOC NETWORKS FOR EVALUATING NETWORK CONGESTION DIAGNOSIS WITH QUALITY ASSE" in IPR, Dated 07/10/2022.</li> <li>● Dr. N. Gobalakrishnan et. al published a Design patent titled "A UNIQUE IDENTIFICATION OF THE CONTINUOUS MONITORING MECHANISM TO EVADE CYBER-ATTACKS IN SMART HEALTHCARE" in IPR, Dated 30/12/2022.</li> <li>● Patent has been granted to Dr. N. Gobalakrishnan Associate Professor/INT et. al for an invention entitled "IOT ENABLED HEALTH MONITORING DEVICE", Dated 25/01/2023</li> <li>● Dr.C.Yaashuwanth (Principal Investigator) and Co PI Dr.V.Vidhya, HOD/INT received the grant Rs.17.54 Lakhs from ISRO towards the funded project Titled "Design and Development of Enhanced Secured Video Communication System for Video Sensor Network "</li> <li>● Patent has been granted to Dr.C.Yaashuwanth et. al for an invention entitled "A System and Method for Thermal Management in Automotive Seats Using Solar Energy" in the Year 2021.</li> <li>● Patent has been granted to Dr.T.Sukumar for an invention entitled "An IOT based centralized and automated system to manage the Bank Lockers" in the academic year 2020-2021.</li> </ul>
<p>Department al</p>	<p>Grants Received:</p> <ul style="list-style-type: none"> <li>● Mr.R.Satheesh, Mr.S.Ravichandran and Mr.S.Santhosh submitted a project proposal on "WAFOODS-A mobile application for Waste Food Management System", mentored by Ms.N.Uma and received the <b>sponsor for an amount of Rs.10,000/-</b> from the management supported by Dean Research, SVCE for the academic year 2022-2023.</li> <li>● Ms.N.D.Sri Shakthi, Mr.S.Siddha and Mr.A.Pradeep Rahul submitted a project proposal on "GOD'S Eye Criminal Detection using Cyber Security and Machine learning" mentored by Mr.A.R.Guru Gokul and received the <b>sponsor for an</b></li> </ul>

<p>Achievements (Last three Academic years 2020-2021, 2019-2020 and 2018-2019)</p>	<p><b>amount of Rs.10,000/-</b> from the management supported by Dean Research, SVCE for the academic year 2022-2023.</p> <ul style="list-style-type: none"> <li>● Ms.S Swetha, Ms.Syed ThameemulAnsari, Mr.B.Vignesh submitted a project proposal on “A Hybrid Deep Learning Based Intelligent Model For college Enquiry Chatbot” mentored by Ms.D.Jayanthi, AP/IT and received he <b>sponsor for an amount of Rs.10,000/-</b> from the management supported by Dean Research, SVCE for the academic year 2021-2022.</li> <li>● Dr.G.Sumathi,Prof./IT ,Ms.D.Jayanthi,AP/IT and Mr.AR.Gurugokul,AP/IT received a grant of <b>Rs.93000</b> for organizing ATAL online Five Day Faculty Development Programme on "Deep Learning for Cybersecurity" from 30-11-2020 to 04-12-2020.</li> <li>● Ms K Anitha,Mr C S Aravind and Ms K Deepikha submitted a project proposal on “Virtual Medical Assistant using Machine Learning“ mentored by Ms.N.Uma Assistant Professor/IT and received the <b>sponsor for an amount of Rs. 9500/-</b> from the management supported by Dean Research, SVCE for the academic year 2020-2021.</li> <li>● Mr. Kishore. S submitted a project proposal on “Smart Surveillance system for intrusion detection” mentored by Mr. Guru Gokul AR, Assistant Professor/IT and and received the <b>sponsor for an amount of Rs. 9,500/-</b> from the management supported by Dean Research, SVCE for the academic year 2019-2020.</li> </ul>
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**Consultancy:**

- As a part of the Gulf Engineering consultancy project, Ms.Divya PK, Mr. Jason A, Kaviya K developed the prototype model for the smart locker project under the guidance of HoD/IT, Dr T Sukumar, Dr Rajaram, AP, Alumni of SVCE (Mr. Harikumar and Mr. Lakshman).

**MoU Signed:**

Sl.No	Name of the company	Duration	Details of MoU
1	Write IT solutions Pvt LTD	3 Years	MOU signed on 07-01-2021 Valid Upto 7-1-2024
2	M.P Police Reforms, Police HQ, Bhopal	3 Years	MOU signed on 30-09-2023 Valid Upto 30-9-2023
3	M/S. Imarticus Learning Pvt Ltd.,	3 Years	MOU signed on 23-10-2020 Valid Upto 23-10-2023
4	<b>Amvion labs Pvt Ltd.,</b>	3 Years	MOU signed on 07-01-2021 Valid Upto 07-01-2024
5	Quadsel Systems Pvt. Ltd	3 Years	MOU signed on 20-04-2022 Valid Upto 20-04-2025
6	Mastermind Academy	3 Years	MOU signed on 20-04-2022 Valid Upto 20-04-2025
7	Worldline Global services Pvt. Ltd.	5 Years	MOU signed on 01-02-2023 Valid Upto 01-02-2028
8	Taylor's University, Malaysia	2 Years	MOU signed on 21-02-2023 Valid Upto 21-02-2025

**Other Achievements:**

- Dr.V.Vidhya, Professor & Head, received the longest continuous SBC award for the period 2017-2019 (Region -VII) in recognition of significant contribution to the CSI activities. in the month of January 2020.
- 3 research scholars completed their Ph.D from Anna University in the year 2022
- 3 research scholars completed their Ph.D from Anna University in the year 2021
- 1 research scholars completed their Ph.D from Anna University in the year 2019
- Imarticus Learning-centre of excellence established in the Year 2020.

**Journal Publication**

**PAPER PUBLICATIONS IN JOURNALS**

- Mr.N.Selvaganesh published a paper entitled "An Articulate Heart Attack Detection System Using Mine Blast Optimization (MBO) Based Multilayer Perceptron Neural Network (MLPNN) Model" in Iraqi Journal for Computer Science and Mathematics, Volume 4, Issue 2, Pg.143-155,2023

- N.Selvaganesh published a paper entitled "A Novel Biased Probability Neural Network (BPNN) and Regularized Extreme Learning Machine (RELM) based Hearing Loss Prediction System" in Iraqi Journal for Computer Science and Mathematics, Volume 4, Issue 2, Pg.56-71,2023
- K.Suresh published a paper entitled "Enhanced Metaheuristic Algorithm-Based Load Balancing in a 5G Cloud Radio Access Network" in the journal of MDPI-Electronics, 2022
- A.Kala published a paper entitled "Face Mask Detection and Social Distance Monitoring with Deep Learning" in Indian Journal of Science and Technology, Volume: 16, Issue: 25, Pages: 1888-1897, 2023
- A. Thiyagarajan published a paper entitled "A Hybrid Model Particle Swarm Optimization Based Mammogram Classification Using Kernel Support Vector Machine" in Traitement du Signal
- Vol. 39, Issue No. 3, pp. 915-922, 2022
- C.Yaashuwanth published a paper entitled "Analysis of Brushless DC Motor using Enhanced FOPID controller and ALO Algorithm" in Intelligent automation and Soft Computing Vol 34 No 1 PP 543-557, 2022
- Ms.A.Indumathi published a paper entitled "Detecting Malware Infected Machines with Digital Forensic Analysis" in Computer Integrated Manufacturing System, 2022
- Gobalakrishnan Natesan published a paper entitled "Multi-objective moth swarm based sailfish model for optimal routing in wireless sensor network" in Concurrency and Computation: Practice and Experience, Vol. No 34, Issue No 21, 2022
- Gobalakrishnan Natesan published a paper entitled "Optimization techniques for task scheduling criteria in IaaS cloud computing atmosphere using nature inspired hybrid spotted hyena optimization algorithm" in Concurrency and Computation: Practice and Experience, Vol. No 34, Issue No 24, 2022
- Gobalakrishnan Natesan published a paper entitled "HFTO: Hybrid Firebug Tunicate Optimizer for Fault Tolerance and Dynamic Task Scheduling in Cloud Computing" in Wireless Personal Communications, Vol. No 129, Issue No 1, pp. 323-344, 2023
- Gobalakrishnan Natesan published a paper entitled "DCCWOA: A multi-heuristic fault tolerant scheduling technique for cloud computing environment" in Peer-to-Peer Networking and Applications,2023
- Gobalakrishnan Natesan published a paper entitled "An Efficient Task Scheduling Based on Hybrid Bird Swarm Flow Directional Model in IETE Journal of Research" in Peer-to-Peer Networking and Applications,2023
- Gobalakrishnan Natesan published a paper entitled "Task Scheduling Based on Cost and Execution Time Using Ameliorate Grey Wolf Optimizer Algorithm in Cloud Computing" in International Journal of Intelligent Engineering and Systems, Vol. No 16, Issue No 3, pp. 417-427,2023.
- 22 research papers have been published in Annexure 1 Journal in the year 2021
- 2 research papers have been published in Annexure 1 Journal in the year 2022
- 13 research papers have been published in Annexure 1 Journal in the year 2020

- 8 research papers have been published in Annexure 1 Journal in the year 2019

#### PUBLICATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES:

- Dr. V. Vidhya HOD/ INT, Dr. T. Sukumar Prof/INT and Ms. S. Aiswarya AP/INT, Mr. Hariharan J, Mr. Nagavignesh S presented a paper titled “Penta Cancer Detection using Deep Learning Technique” in 6th International Conference On Computational Vision and Bio Inspired Computing during 18-19 Nov 2022.
- Dr. N. Gobalakrishnan ASP/INT presented a paper titled “Automatic Approach to Detect Turner Syndrome (TS) Using Hand X-rays Based on Feature Extraction and Principal Component Analysis (PCA)” in 2022 Third International conference on Advances in Physical Sciences and Materials during 18-19 Aug 2022.
- Dr. K. Kiruthika Devi ASP/INT presented a paper titled “Ensemble Learning based feature selection for detection of spam in the network” in International Conference on Paradigms of Communication, Computing and Data sciences during 05-07, July 2022.
- Dr. D. Jayanthi ASP/INT presented a paper titled “Comprehensive Study of Security Threats at Network Layer in Wireless Sensor Network in Fourth International Conference on Emerging Trends in Science, Engineering & Technology during 7-8 July 2022.
- Dr. N. Devi ASP/INT, Dr. P. Leela Rani ASP/INT and Mr. AR. Guru Gokul AP/INT presented a paper titled “Ensembling Learning Models: A Review” in the National Conference on Recent Advances in Technology and Engineering during 14-15 Oct 2022.
- Mr. V. Praveenkumar AP/INT presented a paper along with previous college colleagues titled “A Lightweight Multi-layer Authentication Protocol for Wireless Sensor Networks in IoT Applications” in International Conference on Automation, Signal Processing, Instrumentation and control during 28-29 Nov 2022.
- Dr. P. Sharon Femi ASP/INT presented a paper titled “Expected Goals Prediction in Football using XGBoost” in International Conference on Inspiring Innovations in Engineering, Technology and Management during 17-18 Feb 2023
- Dr. C. Yaashuwanth Prof/INT presented a paper titled “Augmented Reality-Based Restaurants” in IEEE International Conference on Power, Energy, Control and Transmission Systems during 08-09 Dec 2022
- Dr. A. Indumathi ASP/INT, Ms.N.Uma AP/INT, Ms. R. Saktheeswari AP/INT, Ms.M.Sugacini AP/INT presented a paper titled “Enhancing Cloud Data Security Using hybrid of DNA and Quantum Concepts in International Conference on Computer, Cybernetics and Education during 23-24 Feb 2023.

**List of Recognized supervisor**

S.No	Name of the supervisor	Recognized Supervisor	Specialization
1	Dr. G. Sumathi, Prof	Anna University	Cloud Computing
2	Dr. C. Yaashuwanth, Asso. Prof	Anna University	Embedded and Real Time System
3	Dr. N. Gobalakrishnan, Asso. Prof	Anna University	Cloud computing
4	Dr.P.Shharon Femi	Anna University	Machine Learning
5	Dr.A.Kala	Anna University	Deep Learning

**Industry Institute Interaction:**

- CTS
- Infosys campus connect
- Wipro
- Accenture
- Imprzd Technologies Inc.
- Glosys Technology Solutions Pvt Ltd
- Saptang Labs Pvt Ltd.

**Student Achievements:****2022-2023**

1. Ms.S.Pragatheeswar of II year is awarded Best Sophomore Team in the 24 hour event- Yet Another Hackathon '22 conducted by SVCE ACM Student Chapter at Sri Venkateswara College of Engineering conducted on July 30 and 31, 2022.
2. Mr.K. Chithaprabhakaran and Mr.P.Dharnish of II year INT 'A' secured the Third position with a cash prize of Rs. 1000/- in Duo Developers event at St.Joseph's College of Engineering, OMR, Chennai held on 17th September 2022 under the mentorship of Dr.P.Sharon Femi, AP/INT.
3. Mr.S.Pragatheeshwar of II year INT 'B' secured the First position in Paper Presentation event for the paper titled "AI based solution for blind people" held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.
4. Mr.Sri Harihara sudhan, Ms. Swetha sri .Iand Ms. Vidhya shree SK. of II year INT 'B' secured the Third position in Paper Presentation event for the paper titled "Code red" held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.V.Vidhya, Prof/INT.
5. Mr.G.Nithishwar of II year INT 'B' secured the First position in Quiz event held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.
6. Mr.S.Roheth of III year INT 'B' secured the First position with a cash amount of Rs. 1000 in Technical Quiz event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.

7. Mr.K.Santhosh of III year INT 'B' secured the Second position with a cash amount of Rs. 500 in Technical Quiz event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.
8. Mr.S.Roshaan of III year INT 'B' secured the First position with a cash amount of Rs. 1000 in Bug Fix event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.
9. Mr. .S. Roheth, Mr.S. Roshaan, Mr.K.Santhosh of III year INT 'B' secured the First position with a cash amount of Rs. 1000 in Paper Presentation event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT
10. Mr. Madhavan B, Mr. Hariharan S , and Mr. Mohammed sakeeb M H of III year INT 'A' secured the Second position with a cash amount of Rs. 500 in Paper Presentation event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Mr.V.Praveenkumar, AP/INT.
11. Mr.Sharan S and Ms. Shreya R of III year INT 'B' secured the First position with a cash amount of Rs. 2000 in Unknown Fig- UI/UX Design event held at Sri Sai Ram Engineering College on 28th and 29th September, 2022 under the mentorship of Dr.P.Sharon Femi,AP/INT.
12. Mr.S. Roheth, Mr.S. Roshaan and Mr.K.Santhosh of III year INT 'B' secured the Third position with a cash amount of Rs. 500 in "Hack-Wheel",On-Spot-Topic Hackathon event held at Loyola-ICAM College of Engineering on 8th October 2022 under the mentorship of Dr. N. Gobalakrishnan, ASP/INT.
13. Mr.S. Roheth, Mr.S. Roshaan and Mr.K.Santhosh and Mr.S.Pranav of III year INT 'B' secured the First position with a cash amount of Rs. 2000 in Quibbler- Project presentation event event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.
14. Mr.Sivadhas. S of III year INT 'B' secured the Second position with a cash amount of Rs. 1500 in Debugging event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Ms.S.Jerusha, AP/INT.
15. Mr.Sharan. S of III year INT 'B' secured the First position with a cash amount of Rs. 2000 in You & I- UI/UX event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Dr.P.Sharon Femi,AP/INT.
16. Mr.Sharan S and Ms. Shreya R of III year INT 'B' secured the First position with a cash amount of Rs. 3000 in UX'PLORER- UI/UX Design event held at St.Joseph Institute of Technology on 8th October 2022 under the mentorship of Ms.A.Kala,AP/INT.
17. Mr.Kaushick VS, Mr. Anirudh.S and Mr. Rahul MC of II year INT secured the Second position with a cash amount of Rs. 2000 in Shark Tank- Business Idea Presentation event held at St.Joseph Institute of Technology on 8th October 2022 under the mentorship of Ms.A.Indumathi,AP/INT.
18. Mr.Kaushick VS, Mr. Anirudh.S and Mr. Rahul MC of II year IT secured the Second position with a cash amount of Rs.2000 in Haijo- Quiz event

held at St.Joseph Institute of Technology on 8th October 2022 under the mentorship of Dr.K.Suresh, AP/INT.

19. Ms.Swetha, Ms. Sahana and Mr. Navin Raj. RS of III year INT 'B' received Runner-up position in House of High Table - Paper Presentation Pitching Event for the paper titled " Image Concealing" held at Loyola-ICAM College Of Engineering And Technology on 8th October 2022 under the mentorship of Ms. R.Saktheeswari, AP/INT
20. Mr.Sundaram S of III year INT 'B' won First Place in the App development in Compose camp event organized by Google developers Student Club at Sri Venkateswara College of Engineering on 27th and 28th September 2022
21. Navin Raj. RS and Nagarajan Eof III year INT 'B' won First Place in the "Paper Presentation Event" for the paper titled " Image Concealing" at Sri Venkateswara College of Engineering Organized by Google Developers Students Club on 27th and 28th September 2022 under the mentorship of Ms. R.Saktheeswari, AP/INT
22. Mr.S.Pragatheeshwar, Ms.Oviya Srinivasan, Ms.K.Sowndariya of II year INT 'B' secured the First position with a cash prize of Rs.750 in Paper Presentation event for the paper titled "Third Eye" held at Sri Sairam Institute of Technology" on 20th october 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.
23. Sri hari hara Sudhan. M, Sing Valliyappa V, SubashV of INT has won First position with a cash amount of Rs.12000 in the event HackInfinity organized by SSN College of Engineering and Shiv Nadar University, Chennai on 3rd and 4th November 2022 under the mentorship of Dr.V.Vidhya, Prof/INT.
24. Mr.S. Roshaan, Mr.S. Roheth and Mr.K.Santhosh of III year INT 'B' secured the First position with a cash amount of Rs. 5000 in the Hackathon event held at Velammal Engineering College on 5th November 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT and Dr. N. Gobalakrishnan, ASP/INT.
25. Mr.S. Roshaan, Mr.S. Roheth of III year INT 'B' secured the First position with a cash amount of Rs. 2000 in the Technovation event held at Velammal Engineering College on 14th November 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT and Dr. N. Gobalakrishnan, ASP/INT.
26. Mr.S. Roheth of III year INT 'B' secured the Third position with a cash amount of Rs. 1000 in the event Interrogate - Technical Quiz held at R.M.K College of Engineering on 14th November 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT and Dr. N. Gobalakrishnan, ASP/INT
27. Sri hari hara Sudhan. M, Sing Valliyappa V, Sujith U of INT has won First position with a cash amount of Rs. 2000 in ROBOFEST 2.0 organized by IEEE STUDENT BRANCH Of Sri Venkateswara College of Engineering On 14, /11/2022 under the mentorship of Dr.V.Vidhya, Prof/INT.
28. Mr.Sriram V, IT-B 3rd year along with Mr.Rajit .H ECE-C 3rd year, Ms.Srivani M ECE-C 3rd year and secured the First position with a cash prize of Rs. 25000 in Icube Hackathon (Interdisciplinary team) - conducted by Students council in association with SVCE Science Club - A national level intercollegiate technical event , Sriperumbudur on 18th November 2022 under the mentorship of Ms.R.Saktheeswari, AP/INT.

29. Mr.Sri Harihara Sudhan of II year INT 'B' secured Second position with a cash amount of Rs.750 for the Shark Tank event held at Easwari Engineering College on 25th February 2023 under the mentorship of Dr.V.Vidhya, Prof./INT.
30. Mr.Sri Harihara Sudhan of II year INT 'B' secured First position with a cash prize of Rs.1000 in Paper Presentation event for the paper titled "Code Red" held at Easwari Engineering College on 25th February 2023 under the mentorship of Dr.V.Vidhya, Prof./INT.
31. Mr. S.Pragatheeshwar of II year INT 'B' along with his team from ECE,EEE and CSE won first place with a cash prize of Rs.12,000 in the hackathon HACKELITE, a 24 hours hackathon conducted by the Department of Electronics and Communication Engineering, SVCE during 6th and 7th March 2023 under the mentorship of Dr.D.Jayanthi, ASP/INT
32. Mr.Hemanth M and Mr. Harishvar R of II year INT 'A' secured First position with a cash prize of Rs.750 for the Debugging event held at Jeppiaar Engineering College on 10th March 2023 under the mentorship of Dr.P.Sharon Femi, ASP/INT.
33. Mr. Chithaprabhakaran K and Mr. Dharun Darsan RY of II year INT 'A' secured Second position with a cash amount of Rs.500 for the Debugging event held at Jeppiaar Engineering College on 10th March 2023 under the mentorship of Dr.P.Sharon Femi, ASP/INT.
34. Mr. S.Sharan from III year INT 'B' secured First place with a cash amount of Rs.2000 for the RIP-OFF-UI event as part of Hackerz'23 on 17th March 2023, at Chennai Institute of Technology,Kundrathur, Chennai under the mentorship of Dr. A. Kala, ASP/INT.
35. Mr. Sai Nithith S and Mr. Srinivasan Gokula Krishnan from II year INT 'B' secured Second place with a cash amount of Rs.700 for the Paper presentation event for the paper titled "Revolutionising College Event Management Using An Intelligent Automated System." on 20th March 2023, at Chennai Institute of Technology under the mentorship of Dr.D.Jayanthi, ASP/INT.
36. Mr. Chithaprabhakaran K and Mr. Dharun Darsan RY from II year INT 'A' secured Third place for the Rhythm Rivalry event on 20th March 2023, at Chennai Institute of Technology under the mentorship of Dr.P.Sharon Femi, ASP/INT.
37. Mr.Barathraj C R from II year INT 'A' won first prize for Tech quiz event on 23rd March 2023 at Easwari Engineering College under the mentorship of Ms.A.Indumathi, ASP/INT.
38. Ms. Harini Padma M, Krithika L , R.E.Keerthana and P.Logeswari of II year IT A were shortlisted for the PALS innoWAH! competition 2022 - 23 held on 24.03.2023 under the mentorship of Dr.P.Sharon Femi, ASP/INT. Out of the 139 projects that competed in the Pitch your Plan in November 2022, 72 project teams were shortlisted for the finals.
39. Mr.Sri Harihara Sudhan of II year INT 'B' secured Third position with a cash prize of Rs.1000 in Paper Presentation event for the paper titled "Code Red" held at Sri Venkateswara College of Engineering on 3rd April 2023 under the mentorship of Dr.V.Vidhya, Prof./INT.
40. Ms. Mythra. M of III year INT B secured Winners with a cash prize of Rs.3500 in the B-PLAN event of SAMHITA'23 organized by Anna University, MIT campus during 15th ad 16th April 2023 under the

mentorship of Ms.R.Saktheeswari, AP/INT

41. The "You Know Me" team consisting of Mr. Sharan. S, Mr.Sanjiv. T.S of III year INT B and Ms. Lekhashree Rajesh of III year INT A won I prize with a cash prize of Rs. 20,000 in the UI/UX domain of the 24 Hours hackathon, Hackatoge conducted under TEXUS 2023 organized by SRM Institute of Science & Technology, Ramapuram on 15th and 16th of April 2023 under the mentorship of Dr.P.Sharon Femi, ASP/INT.
42. Mr.Sanjiv. T.S, Mr.Rahul M.C of III year INT B, Mr.Krithik Sai Prasad and Ms. Lekhashree Rajesh of III year INT A won I prize with a Amazon Gift Card worth of Rs. 2,000 in the technical event, Pixel Perfect as part of TEXUS 2023 organized by SRM Institute of Science and Technology, Ramapuram on 21st and 22nd of April, 2023 under the mentorship of Dr.A.Kala, ASP/INT.
43. Oviya Srinivasan of II year INT B and her team won I prize with a cash prize of Rs.10,000 in the HACKIT 2.0, 24 Hours Hackathon organized by Sri Venkateswara College of Engineering during April 26 and 27, 2023 under the mentorship of Dr.D.Jayanthi, ASP/INT.
44. S.Pragatheeshwar, Charishma Reddy of II year INT and their team won II prize with a cash prize of Rs.5,000 in the HACKIT 2.0-24 Hours Hackathon organized by Sri Venkateswara College of Engineering during April 26 and 27, 2023 under the mentorship of Dr.D.Jayanthi, ASP/INT.
45. Roshaan S , Roheth S and Syed M of III year IT B won I prize with a cash prize of Rs.8000 in the Rota-TechX: A 24 hour Hack & Make-a-thon held on 4th and 5th May 2023 at GUVI Geek Networks, IITM Research Park, Tharamani, hosted by Rotaract Club of Sri Venkateswara College of Engineering under the mentorship of Dr.D.Jayanthi, ASP/INT.
46. Roshaan S , Roheth S and Syed M of III IT-B won I prize with a cash prize of Rs.8000 in the Rota-TechX: A 24 hour Hack & Make-a-thon held on 4th and 5th May 2023 at GUVI Geek Networks, IITM Research Park, Tharamani, hosted by Rotaract Club of Sri Venkateswara College of Engineering under the mentorship of Dr.D.Jayanthi, ASP/INT.
47. Athithya kumar T, Jishnu H J, Kanishka K of of III IT-A along with Mathimalar M of ECE won II prize with a cash prize of Rs.4000 in the Rota-TechX: A 24 hour Hack & Make-a-thon held on 4th and 5th May 2023 at GUVI Geek Networks, IITM Research Park, Tharamani, hosted by Rotaract Club under the mentorship of Ms.N.Uma, AP/INT
48. Mr. Danush E.S and Mr. Mohammed Sakeeb MH from III year INT 'A' secured I place with a cash prize of Rs.1000 for the Techniq event on 5th May 2023 at B.S.Abdur Rahman Crescent Institute of Science and Technology under the mentorship of Mr.A.Thiyagarajan, AP/INT.
49. Roshaan S, Roheth S and Dr. D.Jayanthi,ASP/INT won Best Paper Award for the paper titled "Succour to farmers" in the International Conference on Information Systems and Software Engineering (ICISSE'23) conducted by the Department of Computer Science and Engineering at Meenakshi Sundararajan Engineering on May 6, 2023.
50. Ms.Akshara U J from III year INT 'A' along with Mr.Soorya. B, III year CSE student secured Second place with a cash prize of Rs.6000 in the National Level Paper Presentation competition Business Plan: Rewired at Spandan'23 conducted by New Delhi Institute of Management (NDIM) from 6th to 8th May 2023.

51. Mr. Navin Raj RS, III year IT B student along with two other department students representing our EWB SVCE Students chapter won I prize for the paper titled "Carbon FootPrint Accounting" in the paper presentation Competition conducted by EWB-India during the All India Chapters Meet held at GITAM University, Hyderabad on 23rd and 24th June 2023.

#### **Patent Published**

1. Ms. M.Harini Padma, II year/INT and Ms.L.Krithika, II Year/INT published an Indian patent titled "Smart Electricity Generation Using Piezoelectric Effect" was published on 24th March 2023. Application No: 202341010070.
2. Mr. T. Robin Thomas, Mr. N. Alagappan, and Mr. M. Dakshin Aravind of IV Year IT filed an Indian patent titled "Smart Crop Yield Prediction Using Deep Learning and IOT" was published on 16th June 2023.

#### **Paper publication**

1.Harish S, Abishek Kevin A, Harsha Vardhan U of IV year IT A, and Sharon Femi P,ASP/INT presented a paper titled "Expected Goals Prediction in Football using XGBoost " in the International Conference on Inspiring Innovations in Engineering, Technology & Management 2023 ( ICI2ETM-23 ) held on 17 & 18 February 2023 at ICEEM Campus, Aurangabad.

2.Baraniya S, Mrithula Angeline M. J., Poonam B. N of IV year INT A along with Dr. P. Sharon Femi, ASP/INT and Dr. A. Kala presented a paper titled "Breast Cancer Classification and Recurrence Prediction Using Artificial Neural Networks and Machine Learning Techniques" in the IEEE sponsored Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2023) during 05 – 07, April 2023 and is published in IEEEExplore.

3.Roshaan S, Roheth S and Dr. D.Jayanthi,ASP/INT won Best Paper Award for the paper titled "Succour to farmers" in the International Conference on Information Systems and Software Engineering (ICISSE'23) conducted by the Department of Computer Science and Engineering at Meenakshi Sundararajan Engineering on May 6, 2023.

4.Abishek V,Aryan TSB, and Nikkila GS of IV year INT A and Mr. E.Sivakumar, AP/INT, presented a paper titled "Phishing Attack Detection using Machine Learning Techniques" in the International Conference on Information Systems and Software Engineering (ICISSE'23) at Meenakshi Sundararajan Engineering on May 6, 2023.

5.P.Pranav Raj, B.Roshan Vijayaragavan, S.Vaduganaathan, IV year INT B and Dr.K.Kiruthika Devi, ASP/INT published a paper titled " Machine learning models for weather analysis and prediction" in the International Conference on Information Systems and Software Engineering (ICISSE'23) at Meenakshi Sundararajan Engineering on May 6, 2023.

6.Kesav SJ, Madhav Hari and Barath J of IV year INT A and Dr.V.M.Sivagami,

Prof./INT published a paper titled "Fitness tracker using mediapipe pose classification" in the International Conference on Information Systems and Software Engineering (ICISSE'23) at Meenakshi Sundararajan Engineering on May 6, 2023.

7.V.Ramesh Aravind, R.RanjanSiddharth, V.M.Sunil Sudharshan, IV year INT B and Dr.T.Sukumar, Prof/INT published a paper titled "identifying and fixing vulnerabilities in mobile online application using machine learning" in the International Conference on Information Systems and Software Engineering (ICISSE'23) at Meenakshi Sundararajan Engineering on May 6, 2023.

8.Deekshitha.M., Febia Thomas,Poonam B of IV year INT A and Dr.G.Sumathi published a paper titled "secure chat system" in the International Conference on Information Systems and Software Engineering (ICISSE'23) at Meenakshi Sundararajan Engineering on May 6, 2023.

9.Pooja S and Dr.V.M.Sivagami,Prof./INT published a paper titled "Business support system for handling illegal money transfer- a part of cybercrime" in the International Conference on Information Systems and Software Engineering (ICISSE'23) at Meenakshi Sundararajan Engineering on May 6, 2023.

10.Sai Nithish S, Srinivasan Gokulakrishnan of II year INT B and Dr.D.Jayanthi, ASP/INT published a paper titled "A secured online event management system for institutions" in the International Conference on Information Systems and Software Engineering (ICISSE'23) at Meenakshi Sundararajan Engineering on May 6, 2023.

11.Ms M.Mythra, III year IT B along with Dr K.Kiruthika Devi, ASP/INT, Dr V.Vidhya, Prof./INT and Ms P. Meenakshi,AP/INT published a paper titled "Machine Learning Algorithms For Twitter Spam Detection" in the National Conference on Innovation in Engineering and Technology at Narasu's Sarathy Institute ofTechnology on 13.05.2023.

12.Gayathri N R, Nantha kumar G, Kamalika P N M from IV year IT-A under the guidance of Ms. M. Sugacini published the book titled "Intelligent Green Communication Network for Internet of Things" during June 2023.

13.Harsha Vardan U of IV year INT A along with Dr. P. Sharon Femi, ASP/INT and Dr. A. Kala presented a paper titled "Human Stress Detection In and Through Sleep using Artificial Intelligence" in the 4th International Conference on Electronics and Sustainable Communication Systems (ICESC - 2023) during 6-8 July, 2023 (to be published in IEEEExplore.)

### **Participation**

1.The Team Keras comprising of AjayKumar R(Team Lead), Aarthi K, AjayR,Badri Narayanan R,ChandraMoulie from IV year (2018-22 Batch)mentored by Ms.K. Kiruthika Devi,AP/INT and Ms.B.T.Shobana, AP/INT participated in the Grand Finale SmartIndia Hackathon 2022 - Software Edition,

conducted by AICTE at the nodalcentre G.PULLAIAH college ofEngineering, Kurnool, Andhra Pradeshfrom 25th August to 26th August 2022.

2.Ms.Febia Thomas, Ms. M. Deekshitha, Mr.Girish Kumar S, IV year INT A was selected to be one among the 50 teams in a total of 400 teams in the CentuRITon-RIT's Flagship National Level Hackathon's Grand Finale on 25th November, 2022 at Ramaiah Institute Of Technology, Bangalore.

3.Hariharan S, Madhavan B, Mohammed sakeeb M H, Danush E S, Krithika S, Keerthana.R,Durga G, Krithik Sai Prasad P, Madhumita B, Megha varsha S from III year IT A,Yuheshwar K S from III year IT B, E.A.Hyagiriva, Ashraf Ali. S, Magesh.A,Bhuvaneshwari.T, Harshavardhan U, Abishek Kevin, Alagappan, Harish.S from IV year ITA, Siddha.S, Pradeep Rahul A, Sri Shakthi N D, Sreekes Devanathan, Sujeith Kumar J,Satheesh R, Santhosh S, SaileshBaabu S from IV year IT B (a total of 27 students)presented their projects in the "AB INITIO" -A State Level Science Expo for 9th - 12thclass students across the state organized by the Students' Council and SVCE Science Clubfrom 23.01.2023 to 25.01.2023.

4.Ms. Harini Padma M, Krithika L , R.E.Keerthana and P.Logeswari of II year IT A were shortlisted for the PALS innoWAH! competition 2022 - 23 held on 24.03.2023 under the mentorship of Dr.P.Sharon Femi, ASP/INT. Out of the 139 projects that competed in the Pitch your Plan in November 2022, 72 project teams were shortlisted for the finals.

#### **Extra curricular Activities:**

1.Ms. Padmanjali of II year INT 'B' secured the First position in Debate event held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.

2.Mr.S.Yogitha of II year INT 'B' secured the First position in Art event held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Mr.E.Sivakumar, AP/INT.

3.Ms. Shreya R of III year INT 'B' secured the Third position with a cash amount of Rs. 500 in VJ Hunt event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Ms.A.Kala,AP/INT.

4.Buvarna Rithika M of I year IT A secured third position in the nature art expo conducted by SVCE CARE club on February 22,2023.

#### **NCC**

1.Mr. Jisshnu H.J (Rank: Cadet Warrant Officer (CWO) with Regimental No.: TN20SDF969014 and Unit: 1(TN) AIR SQN NCC from Madras-B group) of III year IT 'A' is the only cadet from Chennai district to be selected to attend the 75th Independence Day at Red fort. He got the privilege to handshake with our Honorable Prime Minister of India, Shri. Narendra Modi. He received Independence Day camp certificate formally from Lt Col J M Joshi - Camp Commandant of 5 TN Girls Battalion NCC, Coimbatore at DG NCC Camp site, Delhi

2.Mr. Jisshnu H.J of III year IT A got an opportunity to be a co-pilot in VIRUS SW- 80 which is a microlite training aircraft at Air Force Station, Tambaram on February 27,2023. He flew for 30 minutes at a max altitude of 1000 ft.

3.Mr. Thiwarhar.B of I year IT 'B' represented SVCE and attended Annual training camp at airforce station,Tambaram from June 21st to June 30th, 2023.

### **Sports**

1.Akash Devkumar of first year INT student got selected for Tamil Nadu Premier League 2022 cricket team .He is representing Nellai Royal kings in TNPL 2022 match to be held from June 23 to July 31,2023.

2.Mr. S. Gowtham from II year INT 'A' has represented Tamilnadu Fistball Team and the team won the 6th Senior National Fistball Championship 2022 held at Secunderabad, Telangana from 1st to 3rd June 2022. Mr. S. Gowtham also received the Best Player Award.Thiru. Siva. V. Meyyanathan, Minister of Youth Welfare and Sports Development, Tamil Nadu felicitated the team of 6th Senior National Fistball Championship winners on 05.06.2022.

3.Mr. Dhanush B K of I year INT in Table Tennis (Men) team rocked and secured the Winners trophy in the Anna University zonal tournament organized in our campus on 19.11.2022.

4.Mr. Dhanush BK of I/INT A in Table Tennis(Men) secured Third place in the inter-zonal tournament organized by KLN College of Engineering & Technology on 23.11.2022 & 24.11.2022.

5.Mr. Sarvesh from I year IT B of Basketball (Men) team secured runners in the inter-college zonal tournament organized by Rajalakshmi Engineering College from 25.11.2022 to 26.11.2022.

6.Ms. Suriya R from IV year IT B of the Badminton women's team secured the Third position in inter- college zonal tournament organized by Rajalakshmi College of Engineering on 8th November 2022.

7.Mr. Magesh. A (Captain) IV/INT A and Mr. Sanjiv.T.S(Vice Captain) III/INT A along with the SVCE Cricket Team members Mr. Krithik Sai Prasad.P III/INT A, Mr.Sushant Sriram.R.S III/INT B, Mr. Niranjana.V II/INT B, Mr. Akash Dev Kumar II/INT A and Mr. Sanjai Solairaja I/INT B showed a stunning performance and clinched the Winners title in Anna University zonal tournament which was organized in our campus from 10.01.2023 to 18.01.2023.

8.Mr. Santhosh M of III year IT B and Mr. Sarvesh I year IT B of SVCE Basketball(Men) team secured the Runners position in the CM Trophy 2023 organized by the Sports Development Authority of Tamil Nadu held at Kanchipuram District stadium on 18.02.2023.

9.Mr. Akash Dev Kumar II/INT A has participated in the TAMILNADU U-19

team and obtained runner-up in the BCCI Coach Behar Tournament. [Advertisement dated: 4 th Jan2023, Deccan Chronicle]

10. Mr. Sanjiv T S of III year INT 'B' took 6 wickets in 5th Division Tamil Nadu Cricket Association League for Harnath CC against Air India Team. Sanjiv's 12.5 overs - 67 runs - 6 wickets is considered to be his best Spell in Tamil Nadu Cricket Association League. The above news is displayed in 'The Hindu' newspaper dated March 14, 2023.

### 2021-2022

1. **Ms Keerthiga D** has won in PALS-NexGen3D Hackathon 2021-22 that was held from September 1st to September 9<sup>th</sup> , 2021(case study2 -CS&IT) under the mentorship of Ms. P.Sharon Femi, AP/INT.
2. **Mr. Sanjiv TS** from II year INT 'B' secured First position with a cash prize of Rs.1,000 in Poster Designing in National Level CSI Student Fest 2021 organized by Kongunadu College of Engineering and Technology on 30th September 2021 under the mentorship of Mr.V.Rajaram, AP/INT.
3. **Ms.Meghavarshini. K** from II year INT 'A' secured Second position with a cash prize of Rs.750 in Poster Designing in National Level CSI Student Fest 2021 organized by Kongunadu College of Engineering and Technology on 30th September 2021 under the mentorship of Mr.V.Praveen Kumar, AP/INT.
4. **Ms. Gayathri.S** of III year INT 'A' has secured rank in top 5% in the event Code Creed organised by MissionEd on 22/11/2021.
5. **Ms. Jayashri.P** of III year INT 'A' has secured rank in top 5% in the event Code Creed organised by MissionEd on 22/11/2021.
6. **Ms. Keerthana V** of III year INT 'A' has secured rank in top 5% in the event Code Creed organised by MissionEd on 01/12/2021.
7. **Mr.TS Sanjiv, Mr.Sharan.S, Mr. Varun Prasadd SD** of II year IT B have secured IT Honourary in Hack O' Holic (75 Hours Hackathon) organized by the Students' Council of SVCE along with AIT, CSI and IEEE from 27th to 30th January 2022.
8. **Mr.A.Gunasekaran**, III year IT A - III year IT A has won II place in the 24 Hours MAKE-A-THON 3.0 organized by ECE Dept., SVCE on 25th and 26th March 2022..
9. **Mr. S. Girish Kumar, Mr. S. Jaisurya, Ms. Febia Thomas**-III year IT A has won Best UI/UX award in the 24 Hours MAKE-A-THON 3.0 organized by ECE Dept., SVCE on 25th and 26th March 2022...
10. **Mr. Sreelesh Devanathan and Mr.S. Sailesh Baabu** from III year INT 'B' secured First position with a cash prize of Rs.1000 for the paper titled "Dynamic traffic management system" in the Paper Presentation event in TECHNOZARRE2k22, A National Level Technical Symposium organized by the Departments of CSE and IT at St. Peter's Institute of Higher Education and Research on 25th April 2022 under the mentorship of

Ms.N.Uma, AP/INT, Ms.B.T.Shobana, AP/INT and Ms.K.Kiruthika Devi, AP/INT.

11. **Mr. S.Pragatheeshwar and Mr. Sri Hariharasudhan** from I year INT 'B' secured First position in the Paper Presentation event at Rajalakshmi Institute of Technology on 14th May 2022 under the mentorship of Ms.A.Indumathi, AP/INT and Dr.D.Jayanthi, ASP/INT.
12. **Mr. S.Sharan** from II year INT 'B' secured Third place in RIP-OFF-UI event as part of Hackerz'22 on 16th May 2022, at Chennai Institute of Technology, Kundrathur, Chennai.
13. **Mr. S.Sharan** from II year INT 'B' secured First place with a cash prize of Rs.2000 /- in DESIGNO-LIT-O during TALOS, a National Level Technical Symposium organized by Department of Artificial Intelligence and Data Science held on 26th May 2022, at Chennai Institute of Technology.
14. **Ms. Febia Thomas, Mr. Girish Kumar, Mr.Jaisurya. S, Ms.Deekshitha** from III year INT 'A' secured position under TOP 10 in Technothon '22 organized by the Department of Computer Science and Engineering, Galgotias College of Engineering and Technology, Greater Noida, held during 10th and 11th May 2022 under the guidance of Dr.V.M.Sivagami, ASP/INT.
15. **Mr. S.Pragatheeshwar** from I year INT 'B' secured Second position in the HACKIT, a 24 hour online industry associated Hackathon organized by the Department of Information Technology held during 12th and 13th May 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.
16. **Mr. S. Girish Kumar, Mr. S. Jaisurya, Ms. Febia Thomas, Ms.Deekshitha, Mr.Kesav S.J, Mr.Abishek.V** from III year IT A secured Third position in HACKIT, a 24 hour online industry associated Hackathon organized by the Department of Information Technology held during 12th and 13th May 2022 under the mentorship of Dr.V.M.Sivagami, ASP/INT
17. **Mr. S. Roheth and Mr. S. Roshaan** of II year INT 'B' secured the Second position with a cash prize of Rs. 1500/- in Kings in Web IT event at Kings Engineering College held on 2nd June 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.
18. **Mr. S. Roheth, Mr. S. Roshaan and Ms.R.Shreya** of II year INT 'B' emerged as RUNNERS with a cash prize of Rs.1500/- in the hackML'22 conducted by the Know-I Club of Department of Computer science and Engineering in association with TICVIC Technologies Pvt. Ltd. on 7th and 8th June 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT and Dr.N.Gobalakrishnan, ASP/INT.
19. **Mr.S.Sharan and Mr.YUHESHWAR K.S** have won the **First prize in PALS ANALYZE** event which held on April 22nd 2022(case study event - CS&IT)

#### Extra Curricular Activities

1. **Mr.TS Sanjiv** of II year IT B has won **I place** in the Metrical Musings event organized by NSS, SVCE on 28th June 2021.
2. **Mr.Magesh.A**, III year IT A has won Man of the Match Award in LICET Cricket Tournament on 14th March 2022
3. **Mr.Akash Dev**, I yr IT A has won Shining Star Award in STAG Cricket Ground on 19th March 2022
4. **Mr.TS.Sanjiv**, II year IT B-Best Performer Award in DBCL Tournament,5th March 2022
5. **Mr.S.Gowtham**, II year IT A has won 2nd place in South Zone National Fistball Championship held at "Prince Academy", Bangalore, Karnataka from 18th to 20th March 2022.
6. **Mr.Magesh.A**, III year IT A has won Man of the Match Award in LICET Cricket Tournament on 14th March 2022
7. **Mr.Magesh.A**, III year IT A has won Man of the Series Award in Dr.A.C.Muthiah Rolling Trophy Inter College Cricket Tournament held on 5th April to 2nd May 2022.
8. **Akash Devkumar** of first year INT student got selected for Tamil Nadu Premier League 2022 cricket team .He is representing Nellai Royal Kings in TNPL 2022 match to be held from June 23 to July 31,2022.
- 9.
10. **Mr. S. Gowtham** from II year INT 'A' has represented Tamilnadu Fistball Team and the team **won the 6th Senior National Fistball Championship 2022** held at Secunderabad, Telangana from 1st to 3rd June 2022. **Mr. S. Gowtham** also received the **Best Player Award**.**Thiru. Siva. V. Meyyanathan, Minister of Youth Welfare and Sports Development, Tamil Nadu** felicitated the team of 6th Senior National Fistball Championship winners on 05.06.2022.

#### Co-curricular Activities

1. **Mr. Aryan Srikumar** from III year INT 'A' has secured the **Best Director** in Silver Frames Short Film Competition held on 24th March 2022 at SRM Institute of Science and Technology, Ramapuram. **Mr.Madhav Hari of III year INT 'A' acted in this short film.**
2. **Mr.Aryan Srikumar** from III year INT 'A' and his team has received the Jury Special mention for the short film Maalai Varum Vennila in the short film event conducted on 9.4.22 by FILM CLUB of KPR Institute of Engineering and Technology, Coimbatore.

#### Journal Publication

1. **Monish Muralee**, Devi N; P. Leela Rani; Guru Gokul AR presented a paper entitled “Sustainable Management of E-Waste to promote Green Computing” in the International conference on Green Materials and Renewable Energy organized by the department of Applied Chemistry in association with Department of Chemical Engineering on 10th and 11th of June 2021.

2. **Monish Muralee**, Devi N; P. Leela Rani; Guru Gokul AR, **Navish Vardanaa S** of IV year INT B presented a paper entitled "Forecasting the potential influence of Covid-19 using Data Science and Analytics" in the International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) on 24-25 September 2021 and is published in IEEE Xplore in December 2021.
3. **Navish Vardanaa S**, Devi N, **Monish Murale**, **Rahul Prasanth K** and **Nilesh D**, "Multi-Label Classification for Diagnosis of Tuberculosis from Chest X-Ray Images", IEEE International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI-2022), pp 255-261 and Published in IEEE Xplore.
4. **V.Dharshan**, **M.Monishkumar**, **A.Thilakesh Raj** presented a paper titled "A Dynamic System to assist vision for visually challenged" in 2022 8th International conference on smart structures and systems(ICSSS).
5. **Mayank Sharma**, **Akilesh**, **Vishwaa**, P.Sharon Femi, A.Kala presented a paper titled "Virtually controlling computers using hand gesture and voice commands" in the 10th International Conference on Contemporary Engineering and Technology 2022 held on 21st and 22nd May 2022.

### 2020-2021

- **Rahul R.K, Shantha Kumar, Sai Ramnath. K, Vykunth Rao , Mohammed Thowfiq** of III year INT 'B' got selected and presented the project titled "Vehicle Recognition and Compilation in Database Software" for the **grand finale of SIH - Smart India Hackathon** held virtually from August 1st to August 3rd 2020. Mr.R.K.Rahul of final year IT was the team leader and the holistic approach was inspired by M.P. Police Reforms and the project was taken to the next level by signing MoU with our college under the scheme of Crime Free Bharat. Mentors: Ms.P. Leela Rani, AP/IT and Mr.A.R Guru Gokul, AP/IT.
- Shraavan Srinivasan - IV year B, Vaishali.M - IV year B, Kalaiaarasi.N - III year A, Joann Nittika.E - III year A have won **First Place** with a cash prize of Rs.7,000 for the project titled "AI Recruitment" in ARIMA of National Level Techfest-Xtrofest2.0 held at Sri Sairam Engineering College during 28-29 September, 2020 under the mentorship of Mr.AR.Guru Gokul, AP/INT and Mr. E.Sivakumar, AP/INT.
- Shraavan Srinivasan - IV year B, Vaishali.M - IV year B, Kalaiaarasi.N - III year A, Joann Nittika.E - III year A have won **First Place** with a cash prize of Rs.5,000 for the project titled "Recruitment automation using AI" in **NIRALAYAM-HACKATHON** of SYNSARA'20, a National Level Technical Event held at Sri Sairam Engineering College during 9th October and 10th October, 2020 under the mentorship of Mr.AR.Guru Gokul, AP/INT, Mr. E.Sivakumar, AP/INT and Ms.D.Jayanthi, AP/INT.
- Deekshitha Muthurayar, S.Girish Kumar, Febia Thomas, S. Jaisurya, Kesav S.J from II year INT 'A' have won Second Place with a cash prize of Rs.3000 in a National level 24-Hr Hackathon "Ease the Error 1.0" organised by IETE, Chennai Center in association with Sri Venkateswara College of Engineering from 10-11 October, 2020 under the mentorship of Dr.V.Vidhya, Professor & Head/INT.
- Ajay Kumar.R, Arun Kumar.KR, Divyashree.S, Divya. T

have won **Second Place** with a cash prize of Rs.3,000 for presenting the idea improvising teaching and learning concepts to "**Educate Children at the village side in this pandemic COVID-19 situation**" in **IDEATHON 2020** organized by Ramrao Adik Institute of Technology in association with IEEE GRSS and CSI RAIT on 31st October, 2020 under the mentorship of Ms.K.Kiruthika Devi, AP/INT and Ms.P.Leela Rani,AP/INT.

#### **Paper Publication**

- ANOBHAMA V (170801008), Ms.A.Indumathi has published a paper entitled "A Detailed Descriptive Analysis and Inference Report of Covid-19 in India" in International Journal of Innovations in Management, Engineering and Science (IJMES) , Volume 6 Issue 2 August 2020, ISSN: 2455-9008.
- Baskaran, P (170801018)., Baskaran, Kaaviya. and Rajaram, V., 2020. Design of E-Water Application to Maintain the Flow of Water from Common Faucets by Enabling GSM. In Artificial Intelligence Techniques for Advanced Computing Applications (pp. 203-211). Springer, Singapore.
- Bhavyashree, Deepak Krishnan, Kaaviya, Ms.M.Sugacini published a paper entitled "Artificial Intelligence Based Farmer Assistant Chatbot" in International Journal of Research in Engineering, Science and Management. Volume 4, Issue 04 in April 2021

#### **Extra-Curricular Activities:**

- Sai Raksha V and Sreekesh Devanathan of I year IT B has won **First prize** in Treasure Hunt in SAMHITA'20 held at MIT Campus, Anna University from 31.01.2020 to 01.02.2020.
- Ms. Divyashree. S from II year IT A along with her team members won third place in chess with a cash prize of Rs.500 along with a medal and certificate in the State level Inter Engineering College Tournament for Women held at S.A. Engineering College from 20.02.2020 to 22.02.2020.
- Mr. Sanjay G from **III year IT B** has won 1<sup>st</sup> place in **Creative Writing and Trailer Cut in IRIS2020** held at Dwaraka Doss Goverdhan Doss Vaishnav College.

<b>Distinguished Alumni</b>	<ul style="list-style-type: none"><li>● Mr. N.Harikumar , 2008 passed out Alumnus received Distinguished alumni</li></ul>
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## ANNEXURE - II

1	Name of the Department	<b>Marine Engineering</b>		
	Course	BE		
	Level	UG		
	1 <sup>st</sup> year of approval by the Council	1998		
		2022-23	2020-21	2019-20
	Year wise sanctioned intake	30*/60** * DGS Approved ** AICTE Approved	30*/60** * DGS Approved ** AICTE Approved	30*/60** * DGS Approved ** AICTE Approved
	Year wise actual admission	18	15	12
	Cut off marks – General quota	141.50 (minimum)	141.50 (minimum)	141.50 (minimum)
	% Students passed with First Class with distinction	3	3	3
	% Students passed with First Class	9	19	21
	Students placed	2	6	8
	Average Pay package, Rs/year	3 Lakhs (Minimum)	3 Lakhs (Minimum)	3 Lakhs (Minimum)
	Students opted for Higher studies	NIL	NIL	1

Accreditation Status of the course	The department underwent the mandatory Comprehensive Inspection Programme (CIP) annual audit by IRS on Jan 2023 and attained A1 grading as “VERY GOOD”.
Doctoral Courses	NA
Foreign collaborations, if any	NA
Professional Society Memberships	Most of the faculty members are holding membership in Indian Society of Technical Education, Institute of Marine Engineers, Indian Institute of Welding and Tribology Society of India
Professional Activities	<ol style="list-style-type: none"> <li>Mr. Karnam Dileep, Assistant professor, Department of Marine engineering had published the Paper with the title” evaluation of cutting forces and temperature during turning of AISI 4140 Steel using MQL with CNT nanofluid” at International journal of mechanical and production engineering and research and development (IJMPERD) ISSN (p):2249-6890; ISSN P:2249-8001 Vol.8, Special issue 8 Aug. 2018, 238-243.</li> <li>Alagappan Karuppan Chetty, Project Management Consultant, Marine Industries, Chennai delivered lecture in the title of “Understanding Ship Building Processes” on 25<sup>th</sup> September 2018.</li> <li>Guest lecture was conducted by department of marine engineering and lectured delivered by Alagappan Karuppan Chetty, Project Management Consultant – Marine Industries, Chennai entitled with” Understanding Ship Building Processes” on 25<sup>th</sup> September, 2018.</li> <li>Guest lecture was conducted by department of marine engineering and lectured delivered by Alagappan Karuppan Chetty Project Management Consultant – Marine Industries Chennai on the topic” Welding Practices, Identification and Rectification of Defects” on 30<sup>th</sup> January, 2019.</li> <li>Students of Final year batch 2015-2019 had received Intramurals funding from the Dean research and development of a sectioned amount of Rs.10,000/- for student’s project on March 18<sup>th</sup> 2019 under the guidance of Dr M Anandhan, Associate Professor, Dept. of Marine engineering</li> <li>Guest Lecture &amp; Valedictory address was organised by the department of marine engineering with the lectured delivered by Kalisaran Ramalingam, Branch Manager, Aurus Ship Management Private Limited, Chennai, on the topic of Career Opportunities for Marine Engineers – Requirement and current scenario on 15<sup>th</sup> March, 2019.</li> <li>Mr. V Gurusamy, Assistant professor, Department of Marine engineering had published the Paper with the title” Parameter’s effect on SS304 beads deposited by wire arc additives Manufacturing” at Materials and manufacturing, 35:7, 825-858.</li> <li>Students of Final year batch 2017-2021 had received Intramurals funding from the Dean research and development of a sectioned amount of Rs.10,000/- for student’s project on March 18<sup>th</sup> 2019 under the guidance of Mr A Mohan, Asst. Professor, Dept. Of Marine engineering, SVCE.</li> <li>Prof. S. Krishnan, Head of the department – Marine engineering</li> </ol>

	<p>Completed a training course ""Assessment, Examination &amp; Certification of Seafarers"". This course is approved by the Directorate General of Shipping and meets the requirements laid in Regulation I/6, &amp; Section A-I/6 of the STCW Convention, 1978, as amended. This course is designed on IMO Model Course 3.12. The Candidate has also met the additional criterion specified in the STCW Convention specific to the issue of the Certificate. This certificate is issued under the authority of the Directorate General of Shipping, Ministry of Ports, Shipping and Waterways, Government of India, 2021</p> <p>j. Department of Marine Engineering Conducted Guest Lecture and Valedictory Function Titled with "IMPORTANCE OF PLANNED MAINTENANCE SYSTEM ON-BOARD THE SHIPS" By Mr. Subbaraj Chandrasekar, Chief Engineer, Synergy Maritime Private Limited on 12th April, 2021.</p> <p>AY2022-2023</p> <p>a. The Department of Marine engineering had conducted pathways on behalf of the Department of Marine engineering on 24th June 2023.</p>
Grants fetched (Last three Academic years 18-19, 19-20 and 20-21)	<p>Completed:</p> <p>A. As a co-investigator, Mr. Guruswamy has completed the AICTE funding worth of Rs.18 Lakhs under Research Promotion Scheme.</p> <p>B. Dr.A. Sankaran has been qualified and served as the chief editor for the published book entitled "modern trends in multidisciplinary subjects, volume-3" (isbn-9788119070091) in february 2023</p> <p>C. Mr.v.Gurusamy received UG intramural funding of rs 10,000 for the proposal titled "prediction of tensile strength of wire-arc additive manufactured nickel alloy components by adaptive neuro-fuzzy inference system (anfis) and artificial neural networks (ann)"</p> <p>D. Dr.A.Sankaran received ug intramural funding of Rs 10,000 for the proposal titled "comparative analysis of tribological study of marine lubricants"</p> <p>E.</p> <p>F. Mr. V. Gurusamy received 1 lakh research grant as a co - pi from Sri Venkateswara college of engineering, Sriperumbudur</p> <p>G. Mr. V . Gurusamy submitted the proposal to UGC-DAE worth Rs 15 Lakhs as CO-PI faculty proposals</p> <p>H. Mr. V . Gurusamy coordinated the two day workshop on "N-eatts, c-Na&amp; s-Na in PFMS" e-governance organized on 31<sup>st</sup> October and 1<sup>st</sup> November 2022</p>
Departmental Achievements	<p>a. Welding Research cell with state of art facilities has been set up in the department of Marine Engineering.</p>

<p>(Last three Academic years 18-19,19-20 and 20-21)</p>	<ul style="list-style-type: none"> <li>b. Mr. V Gurusamy, Assistant professor, Department of Marine engineering had a WEBINAR SERIES on “Cold Metal Transfer Welding and Its Allied Processes”.</li> <li>c. Passing out parade of 17<sup>th</sup> batch of Marine Engineering cadets was held on 10<sup>th</sup> August 2018. Shri. Seshadri Ramakrishna, Executive Vice President – Technical, SANMAR Shipping Ltd. was the chief guest.</li> <li>d. Prof. Krishnan S, Head of the department Marine engineering, SVCE and Prof. K V Shivanarayana, Asst. Head of the department Marine engineering, SVCE had Attended Seminar on” Autonomous ship and digitalization in Marine” held at seafarer’s club on 25<sup>th</sup> January 2019.</li> <li>e. All the faculty members of marine department had attended the two days national level faculty development program on” how to setup an online school and how to engage the participant in on-line training and perform assessment” Organized by TS marine &amp; Manha mariners association on 26<sup>th</sup> May, 2020.</li> <li>f. Prof. S. Kalidoss, Asst. Head of Marine department, SVCE Attended as a chief guest at Academy of maritime education and training to take part in one day National Seminar on Seafarers at the core of shipping’s future opportunities and Challenges dated on 25 May 21.</li> <li>g. All the faculty members of marine department, Organized the International Conference on "Smart Materials and Emerging Technologies for Industry 4.0" along with Mechanical engineering Dept on 16<sup>th</sup> and 17<sup>th</sup> October, 2020.</li> </ul> <p>AY2022-2023</p> <ul style="list-style-type: none"> <li>a. Dr.A. Sankaran, along with all other faculty members successfully conducted the symposium on 31<sup>st</sup> of march 2023 .</li> <li>b. Dr.A. Sankaran has co - ordinated with the student association of marine engineer for the successful conduct of a guest lecture on the topic “Importance of cyber security in shipping and importance of team work “ on 10<sup>th</sup> march 2023 presided by capt . N.V. Suresh, vice-president, seaport shipping pvt ltd</li> </ul>
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AY2022-2023

1. Dr.A. Sankaran, along with all other faculty members successfully conducted the symposium on 31<sup>st</sup> of march 2023 .
2. Dr.A. Sankaran has co - ordinated with the student association of marine engineer for the successful conduct of a guest lecture on the topic "Importance of cyber security in shipping and importance of teamwork " on 10<sup>th</sup> march 2023 presided by capt . N.V. Suresh, vice-president, seaport shipping pvt ltd
- 3.
4. Dr.A. Sankaran is the first person from the department of marine engineering eligible to guide Ph.d research scholars in the area of specialization like coastal pollution, industrial pollution , composite materials ,Nano composite , pollution management etc under recognized research center from December 2022.
5. Dr. A. Sankaran has served as the co-author for the book titled "Education Technology" Published by red shine publication pvt. Ltd in association with the redmac international press and media in March 2023 with ISBN 8 1 - 1 9 0 7 0 - 4 2 - 9 & d o i : 1 0 . 2 5 2 1 5 / 8 1 1 9 0 7 0 4 2
6. Mr. G. Ramesh kannan has served as the technical reviewer for the paper titled " Characterization of Icusbjenaminal. Aerials stem cellulosic plant fiber reinforced polymer composite for lightweight applications" Published by Biomass conversion and biorefinery under springer on April 2023
7. Mr. V Gurusamy, Associate professor has got second prize for the paper titled "Influence of input parameter on the same of weld bed in 316L scladding using the Taguchi method" in faculty research day conducted at Sri Venkateswara College of Engineering, 2023.
8. Dr. M. Anandan, Associate professor has got second prize for the paper titled "Artificial intelligence in Marine industry" in Faculty research day conducted at Sri Venkateswara College of Engineering, 2023.
9. Dr.A.Sankaran participated in the ministry of innovation council sponsored programme "architecting entrepreneurial ecosystem on 3rd february 2023
10. Mr. Gurusamy v has participated in the one day fdp on "shift innovation resilient strategies for academics" on 21st february 2023, organized by the department of information technology, sri venkateswara college of engineering
11. Mr. G. Ramesh kannan, Assistant professor has got third prize for the paper" effect of alkalization on physical, Chemical , Morphological and mechanical properties of arial root ficus amplissima fiber" in faculty research day conducted at Sri Venkateswara college of engineering, 2023
12. Mr. G. Rameshkannan had successfully completed the one week faculty development program on "tamil heritage" held at Anna University on 1st of November 1st till 7th of November 2022.
13. Dr. A. Sankaran, assistant professor, and Mr. K. Sivakumar, instructor-marine eng have participated in the NCC camp at the government higher secondary school, Pennalur organized by Sri Venkateswara College of engineering, and delivered a special lecture and demo on the fire fighting techniques using portable fire extinguishers
14. Mr. A. Mohan a from department of marine engineering, attended one international conference on" bionic design of ship hull and propeller to minimize noise and vibration" held at KPN college of engineering, Coimbatore on 5th may 2023
15. Mr. A. Mohan, from department of marine engineering successfully

		<p>published the review papers in the international conference held at KPN College of engineering Coimbatore on 6th may 2023 and also published in conference proceedings on the topic of "bionic design of the ship hull and propeller to minimize noise and vibration</p> <ol style="list-style-type: none"> <li>16. Mr. A. Mohan, from department of marine engineering. Attended the one-day webinar on "ev vehicles and battery systems" conducted by isie-india on 27th may 2023 through online mode.</li> <li>17. Mr. A. Mohan from department of marine engineering attended 4 days workshop on Google workspace held at Sri Venkateswara College of engineering , department of information technology, from 24<sup>th</sup> April to 28th April 2023.</li> <li>18. Dr.M.Anandan, associate professor presented the PPT on the highlights of the marine engineering profession, career growth in the sailing career, salient features of the B.E. marine engineering degree course and the eligibility requirements for joining this unique degree programme.</li> <li>19. Comprehensive inspection program for the department of Marine engineering was held on 25<sup>th</sup> January 2023. The grading A1 which is said to be outstanding certified is reconfirmed for one more year. The surveyor was very appreciative of the parade done by our student. He was all over impressed with the facilities such as welding research cell and Nanotechnology laboratory in SVCE innovation center.</li> <li>20. Mr. Gurusamy v , Associate professor, Department for Marine engineering coordinated the aicte-sponsored online lecture on "life as a construction engineer" dated on 16 February 2023</li> </ol>
	Distinguished Alumni	<p>Mr. Ramkumar Singh, Chief Engineer, Bernhard Schulte Shipmanagement.</p> <p>AY2022-2023</p> <p>Mr. Britto Loius, Chief engineer, Fleet Management  Mr. Venugopal, Chief Engineer, Fleet Management  Mr. K. Elumalai , MEO Class I, SuNAv ship Management PVT, LTD  MR. Ramesh R , MEO CLASS I , Chief engineer , Fleet Management</p> <p>Alumni of the department of Marine engineering Mr .J.Ramesh and Mr. Venugopal R, Mr. Britto ( CLASS I MEO C/E) graduated from Sri Venkateswara college of Engineering have been recruited as the Visiting faculty for our department to impart knowledge to the students covering the latest and technological improvement on board the ship under marine sector.</p>

## ANNEXURE - II

1	Name of the Department	<b>Mechanical Engineering</b>		
	Course	B.E		
	Level	UG		
	1 <sup>st</sup> year of approval by the Council	1985		
		<b>2022-23</b>	<b>2021-22</b>	<b>2020-21</b>
	Year wise sanctioned intake	60	120	120
	Year wise actual admission	44	79	81
	Cut off marks – General quota	180 (Minimum)	192.19 (minimum)	191 (minimum)
	% Students passed with First Class with distinction	38.67%	23.07%	53.79
	% Students passed with First Class	51.88%	73.07%	92.53
	Students placed	61	86	68
	Average Pay package,	3.0LPA	3.5lpa	4.5lpa

Rs/year			
Students opted for Higher studies	18	58	75
Accreditation Status of the course	Accredited till June 2026		
Doctoral Courses	Ph.D M.S (Research) Approved Research Center by AU		
Foreign collaborations, if any	London South Bank University		
Professional Society Memberships	Indian Society of Technical Education Indian Welding Society- Students Chapter		
Professional Activities	Guest Lectures, Inplant Training, Industrial Visit, Faculty Development Program, Workshop/Seminars. Short Term Training Program		
Grants fetched (Last three Academic years 20-21,22-22 and 22-23)	<b>Completed:</b> <ul style="list-style-type: none"> <li>Experimental Investigation On Effect Of Fuel Spray Characteristics Of Direct Injection Diesel Engine Fuelled With Biodiesel was sanctioned</li> <li>by AICTE under Research Promotion Scheme to the tune of Rs 15,33,334/- during February 2016.Dr.K.Pitchandi is the Principal investigator.</li> <li></li> <li>Investigation On Vibration Characteristics Of Carbon Fiber Reinforced With Nano Silica/ Micro Rubber Composite Structural Beams was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs 9,28,000/- during March 2016.Dr.R.Ramesh is the Principal investigator.</li> <li>ANN modeling of Pulsed Metal Inert Gas welding of Magnesium Alloys was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs. 16,36,044 during March 2016. Dr. N. Muthukrishnan is the Principal Investigator</li> <li>A project titled "Surface modification of light metal substrates through laser texturing and coating for enhanced service life " was sanctioned a grant-in aid by AICTE under Research Promotion Scheme to the tune of Rs. 17,94,118/- (Seven Lakhs) during September 2017. The duration of</li> </ul>		

	<p>the project is 3 years. Dr. M. Prem Ananth is the Principal investigator and Dr. S. Ponnuvel is the Co-Principal Investigator of the project.</p> <p>A project titled "Machinability studies on high strength temperature resistance alloys using vertical machining center" was sanctioned a grant-in aid by AICTE under MODROB scheme to the tune of Rs. 7,00,000/- (Seven Lakhs) during September 2017. The duration of the project is 2 years. Dr. S. Ramesh Babu, Prof. &amp; Head is the Chief Coordinator of the project.</p> <p>Ongoing</p> <p>A project titled " Mechanical Property evaluation of Nickel based alloys fabricated using wire and arc additive manufacturing and optimization of WAAM process parameters " was sanctioned a grant-in aid by AICTE , a sum of Rs. 17.29 lacs/- (Seventeen lacs and twenty nine thousands) during September 2020. The duration of the project is 2 years. Dr.K.Pitchandi, Prof. &amp; COE is the Chief Coordinator of the project.</p>
<p>Departmental Achievements</p> <p>(Last three Academic years , and 20-21, 21-22 and 22-23)</p>	<ul style="list-style-type: none"> <li>• Accredited by NBA for 3 years</li> <li>• Conducted International Conference during October-2020 SMETI-2020.</li> <li>• Dr. Ramesh, Dr.C.Senthamarai kannan, MrJ.Sivaramampadian and Dr.S.Muniraj ,who organized college level program titled “ Diaster Awareness and Management,”, This program is jointly organzied with</li> <li>• CSIR sponsored a sum of Rs.30,000/- to conduct national level conference titled as “NATIONAL WORKSHOP ON APPROACH TOWARDS ELECTRIC VEHICLE ARCHITECTURE AND APPLICATIONS: (EVAA 2k23) March 09-10, 2023 at SVCE.</li> <li>• A state level <b>21st Annual ISTE Tamilnadu Section Engineering Students' Convention</b> was conducted by SVCE ISTE- Students Chapter, Dr.S.Ilayvel, Dr.S.Natrajan, Dr.S.Gopinath and Mr G.Kirubakarn were coordinated this program on 29th april 2023 at SVCE Campus</li> <li>• 12 Patents filed and published since last 3 years</li> <li>• Research Projects and Seminars conducted using the Grants received.</li> <li>• Research Proposals have been submitted.</li> <li>• Consultancy service provided to the other institute/universities and Industries such as Wester Thomson,Nippon Thermostat</li> <li>• Events Organized ( workshops/seminars/ webinars/Guest lectures/Institute Innovation council/Mec- programs ): 36 nos.</li> <li>• Launched B.E Mechanical and Automation (UG) program in the year 2022 .</li> <li>• Industrial Visit to Both the UG and P students have been arranged .Axels India Ltd Brakes India Limited, SRV engineering, Delphi TVS.etc.</li> </ul>

- UG-Students around 96 students underwent In-plant training/Internship in the top-most & reputed industries like M/s.Hyundai, TVS/Delphi TVS, WTI Ltd., Ashok Leyland.
- Around 10 UG students underwent internship at National Power Training Institute (Southern Region), Neyveli .

#### **Student's Achievements**

- Pooja.S II year Mec., presented a project titled "Smart Wearable Knee Comforter and wrist Assist" and secured the I Prize in the Students' Research Day 2023 at SVCE .
- Varadharajan C N, Monish V and Sai Surya S are participated in a Design Hack athan ,It's a skill development Initiative event under the aegis of 'Naan Mudhalvan' programme. Second runner up in Fusion 360 Mega challenge (final round) with a cash prize of Rs.10,000. It is a 24 hours design hackathon . This program is conducted by Anna University in association with Tamil Nadu Skill Development Corporation (TNSDC) and powered by Autodesk
- Praveen Kumar N from final Year ,presented a research paper entitled "Tool Life Monitoring Using Machine Learning Techniques" in "International Conference on Advanced Communication Control &

	<p>Computing Technology (ICACCT'22)" at Saveetha Engineering college, Saveetha Nagar, Thandalam, Chennai-602 105, TamilNadu, India. Date: 28/06/2022 and 30/06/2022.</p> <ul style="list-style-type: none"> <li>Sidaarth Thaakoore G &amp; Venkat Kowsik K students from final year Co-authored a paper titled "PCM Incorporated with Nano Particle as Thermostat Materials for Cooling IC Engines", in the Second National Conference on Sustainable Energy Resources for Thermal Systems [SERTS 2022] at Sri Sivasubramaniya Nadar College of Engineering ,Old Mahabalipuram Road, Kalavakkam, Mylapore, Tamil Nadu 603110. Date of event: 18-03-2022.</li> <li>Ajith A ,Bhavesh B, Joshua Praveen R students of final year filed a patent titled as "A Mechanism to conserve water and prevent infectious pathogens" , at Official Journal of the Patent Office, Publication of the Patent Office. Date: 13-5-2022.</li> <li>Mr Mohammad Safi A from Final year won the best student award from ISTE for the Academic Year 2020-21.</li> <li>Mr. Syed Afridhis S K from final year had published a paper titled "SWOT analysis: A framework for comprehensive evaluation of drivers and barriers for renewable energy development in significant countries"" in the International Journal titled "Energy Reports" in the month of July 2020.</li> <li>Mr. Srinivas S from final year had published a paper titled "Forecasting of COVID-19 cases using deep learning models: Is it reliable and practically significant?" in the International Journal titled "International Journal for Research in Applied Science &amp; Engineering Technology" in the month of July 2020.</li> <li>Mr. Rishi P from final year had published a paper titled "A Holistic Review of the Present and Future Drivers of the Renewable Energy Mix in Maharashtra, State of India" in the International Journal titled "Sustainability" in the month of August 2020.</li> <li>Mr. Bavesb from Second year presented a paper titled "Ccomparison of mechanical and corrosion behaviour of friction stir welded and Tig welded AA5083" in the International Conference on Smart Materials &amp; Emerging Technologies for Industry 4.0 at Sri Venkateswara College of Engineering on October 2020.</li> <li>Mr. Sai sree Chandra, Mr. Punith krishnan G and Pravin raj Sfrom finalyear had published a paper titled "A review on additive manufacturing of AA2024 and AA6061 alloys using powder bed fusion" in the International Journaltitled "IOP Conf. Series: Materials Science and Engineering" in the month of December 2020.</li> <li>Mr. Akash K, Mr. Amanullah S, Mr. Bharath M,Manoj kumar</li> </ul>
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	<p>Rand Jagadeeshwaran J from third year had published a paper titled "Overview of Polylactic acid and its derivatives in medicinal applications" in the International Journal titled "IOP Conf. Series: Materials Science and Engineering" in the month of December 2020.</p> <ul style="list-style-type: none"> <li>• Mr. Rishi P from final year had published a paper titled "Forecasting of covid19 cases using deep learning models: Is it reliable and practically significant?" in the International Journal titled "Results in physics" in the month of January 2021.</li> <li>• Mr. Rishi P from final year had published a paper titled "A hover view over effectual approaches on pandemic management for sustainable cities – The endowment of prospective technologies with revitalization strategies" in the International Journal titled "Sustainable Cities and Society" in the month of February 2021.</li> <li>• Mr. Rishi P from final year had published a paper titled "A Review on Effective Use of Daylight Harvesting Using Intelligent Lighting Control Systems for Sustainable Office Buildings in India" in the International Journal titled "Sustainability" in the month of April 2021.</li> <li>• Mr. Rishi P from final year had published a paper titled "Influence of Geometrical Changes in an Adiabatic Portion on the Heat Transfer Performance of a Two-Phase Closed Thermosiphon System" in the International Journal titled "Energies" in the month of May 2021.</li> <li>• Mr. Rishi P from final year had published a paper titled "Envisioning the UN Sustainable Development Goals (SDGs) through the lens of energy sustainability (SDG 7) in the post-COVID-19 world" in the International Journal titled "Applied energy" in the month of June 2021.</li> </ul> <p><b>Publications/Conference( By Faculty) members details</b></p> <ul style="list-style-type: none"> <li>• Dr. K Pitchandi presented a guest lecture Fundamental of Fluid mechanics, topics presented on Three days workshop" Engine Cooling System" from 11:00am to 12:15pm on 14.10.2022 at SVCE.</li> <li>• Dr. R Ramesh delivered a lecture on "Embracing the academic Process" topics presented on 05.11.2022 during the SIP 2022-23 at SVCE.</li> <li>• Dr.U.Magarajan published a research article titled Effect of deep cryogenic treatment on the microstructural, mechanical and ballistic properties of AA7075-T6 aluminum alloy", Defence Technology, 8 April 2023. <a href="https://doi.org/10.1016/j.dt.2023.04.001">https://doi.org/10.1016/j.dt.2023.04.001</a></li> <li>• Dr.U.Magarajan published a research article titled "A Comparative Study on Ballistic Behaviour of MWCNT / Graphene Reinforced AL6061 Surface Composites Fabricated Via Friction Stir Processing", Archives of Metallurgy and Materials, 68 (2023), 2, 541-550. <a href="https://doi.org/10.24425/amm.2023.142433">https://doi.org/10.24425/amm.2023.142433</a></li> </ul>
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		<ul style="list-style-type: none"> <li>• A book chapter titled "Analysing Roles of I4.0 Technologies in the Lean-Green Paradigm" authored by K.Ram Prasad, AP/MEC, and M.Nishal, AP/MEC has been published in the book "<a href="#">Lean Thinking in Industry 4.0 and Services for Society</a>", Ch:9, pp.167-193.</li> <li>• Dr.S.Ponnuvel authored a technical paper titled "Effect of Intake Air Preheat on Diesel Engine Performance Fueled with Coconut Fatty Acid Distillate Biodiesel" co-authored by me was published in the Part of the Book Series -Lecture notes in Mechanical Engineering (Recent advances in energy technologies) - Springer Nature - ISBN 978-981-19-3467-4 (E- Book). The book is scopus indexed. (IF 0.51).</li> <li>• Mr. A. Kumaraswamy, AP/MEC has published a text book on Mechatronics. The details publishing details are listed as follows , Publisher - Scientific International Publishing House (SIPH) ,ISBN number - 978-93-5757-108-1.,Year of publishing = 2023.</li> <li>• Dr R.Ramesh Professor, Mechanical Engineering has participated and presented a paper titled, “Automated Navigation Mobile Robot Using Ros For Material Handling” in the International conference on “Green Materials and Renewable Energy” organized by Department of Applied Chemistry in association with Department of Chemical Engineering Sri Venkateswara College of Engineering, Pennalur on 10.06.2021 to 11.06.2021.</li> <li>• Dr. R. Ramesh, Professor, Mechanical Engineering, Sri Venkateswara college of engineering has participated and presented a paper titled “Design And Development Of Automated Mobile Robot Using ROS For Smart Transportation In Production Lines” in 4th International e-Conference on Recent Advancement in Mechanical Engineering &amp; Technology -</li> </ul>
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ICRAMET 2021 held on 24th & 25th June 2021, organized by the Department of Mechanical Engineering, AVIT.

- Dr.C.SenthamaraiKannan, Assistant Professor, Mechanical Engineering, Sri Venkateswaracollege of engineering has participated and presented a paper titled Topology Optimization And Life Cycle Assessment Of Quick Connector Sheath  
International Conference On "Green Materials And Renewable Energy, Sri Venkateswara College of Engineering  
10th June 2021 and 11th June 2021.
- Dr. P.Raghu, Assistant Professor, Mechanical Engineering, Sri Venkateswara college of engineering has participated and presented a paper titled Effect Of Injection Timing And Nozzle Hole Geometry On Diesel Engine Using Diesel And Biodiesel International Conference On Green Materials And Renewable Energy Sri Venkateswara College of Engineering, June 10-11, 2021

#### **Expert Lectures delivered in other colleges**

- Dr. S Ramesh Babu presented a seminar on “ Technical Education - Introduction of Skill DevelopmentCourses” under Naan Mudhalvan Scheme on 27.07.2022 at CEG, Anna University.
- Dr. K Pitchandi presented a guest lecture on “Improving Efficiency of thermal power plant by optimization of fluid flow" on 22.12.2022 at Thermal Training Institute & Research Center, Chennai.
- Dr. C Senthamarai Kannan as a Chief Guest Speaker for one week FDP on "ME8593 - Design of Machine Elements" from 26.10.2022 to 31.10.2022 at Mailam Engg College.s
- Dr. S.Natarajan, Assistant Professor, Mechanical Engineering, delivered a technical talk on "Homogeneous Charge Compression Ignition Engine-A Review at AarupadaiVeedu Institute of Technology ,Chennai on 03-11- 2020.
- Dr.S.Iaiyavel, Associate Professor, Mechanical Engineering given an Expert On line Lecture for Panimalar Institute of Technology Students about Entrepreneurship ECO systemon 20th Novemeber, 2020
- Dr.K.S.Badrinathan, Professor, Mechanical Engineering, delivered a technical talk on Instructional strategies for effective online teaching of engineering graphics”, organized by Department of Mechanical Engg, Saveetha Engineering College, Chennai during 5<sup>th</sup> and 6<sup>th</sup> December 2020.
- Dr.K.S.Badrinathan, Professor, Mechanical Engineering, delivered a technical talk on “End effectors and its applications” in the AICTE sponsored online mode Short term training programme (Slot-1) /Titled “Industrial Robotics”- on 18.12.2020, organized by Rajagopal Polytechnic College, Gudiyattam, Tamilnadu.

	Distinguished Alumni	<p>Mr. S P Vaidyanathan <b>Managing Director</b> ,Padma Mines and Minerals</p> <p><b>Mr. Vinay R Eswar</b>, Director, <b>Orient Impex Manufacturing</b></p> <p><b>Mr. Sushen Vummidi</b>, Director, <b>Sushen Construction Pvt. Ltd.</b></p> <p>Mr. Sriram Santhanam director Metal Scope India Private Ltd.</p>
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ANNEXURE - II				
1	Name of the Department	<b>Mechanical and Automation Engineering</b>		
	Course	B.E		
	Level	UG		
	1 <sup>st</sup> year of approval by the Council	2022		
		<b>2022-23</b>	<b>2021-22</b>	<b>2020-21</b>
	Year wise sanctioned intake	60	NA	NA
	Year wise actual admission	38	NA	NA
	Cut off marks – General quota	166.5 (Minimum)	NA	NA
	% Students passed with First Class with distinction	NA	NA	NA

	% Students passed with First Class	NA	NA	NA
	Students placed	NA	NA	NA
	Average Pay package,	NA	NA	NA

Rs/year	NA	NA	NA
Students opted for Higher studies	NA	NA	NA
Accreditation Status of the course	NA		
Doctoral Courses	NA		
Foreign collaborations, if any	London South Bank University		
Professional Society Memberships	Indian Society of Technical Education Indian Welding Society- Students Chapter		
Professional Activities	Guest Lectures, Inplant Training, Industrial Visit, Faculty Development Program, Workshop/Seminars. Short Term Training Program		
Grants fetched (Last three Academic years 20-21,22-22and 22-23)	<p>Completed:</p> <p>Experimental Investigation On Effect Of Fuel Spray Characteristics Of Direct Injection Diesel Engine Fuelled With Biodiesel was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs 15,33,334/- during February 2016.Dr.K.Pitchandi is the Principal investigator.</p> <p>Investigation On Vibration Characteristics Of Carbon Fiber Reinforced With Nano Silica/ Micro Rubber Composite Structural Beams was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs 9,28,000/- during March 2016.Dr.R.Ramesh is the Principal investigator.</p> <p>ANN modelling of Pulsed Metal Inert Gas welding of Magnesium Alloys was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs. 16,36,044 during March 2016. Dr. N. Muthukrishnan is the Principal Investigator</p> <p>A project titled "Surface modification of light metal substrates through laser texturing and coating for enhanced service life " was sanctioned a grant-in aid by AICTE under Research Promotion Scheme to the tune of Rs. 17,94,118/- (Seven Lakhs) during September 2017. The duration of</p>		

	<p>the project is 3 years. Dr. M. Prem Ananth is the Principal investigator and Dr. S. Ponnuvel is the Co-Principal Investigator of the project.</p> <p>A project titled "Machinability studies on high strength temperature resistance alloys using vertical machining center" was sanctioned a grant-in aid by AICTE under MODROB scheme to the tune of Rs. 7,00,000/- (Seven Lakhs) during September 2017. The duration of the project is 2 years. Dr. S. Ramesh Babu, Prof. &amp; Head is the Chief Coordinator of the project.</p> <p>Ongoing</p> <p>A project titled " Mechanical Property evaluation of Nickel based alloys fabricated using wire and arc additive manufacturing and optimization of WAAM process parameters " was sanctioned a grant-in aid by AICTE , a sum of Rs. 17.29 lacs/- (Seventeen lacs and twenty nine thousands) during September 2020. The duration of the project is 2 years. Dr.K.Pitchandi, Prof. &amp; COE is the Chief Coordinator of the project.</p>
<p>Departmental Achievements (Last three Academic years , and 20-21, 21-22 and 22-23)</p>	<ul style="list-style-type: none"> <li>• Accredited by NBA for 3 years</li> <li>• Conducted International Conference during October-2020 SMETI-2020</li> <li>• CSIR sponsored a sum of Rs.30,000/- to conduct national level conference titled as “NATIONAL WORKSHOP ON APPROACH TOWARDS ELECTRIC VEHICLE ARCHITECTURE AND APPLICATIONS: (EVAA 2k23) March 09-10, 2023 at SVCE.</li> <li>• A College level workshop and Training was conducted on “Disaster Management and Awareness” Programme. at SVCE.</li> <li>• A state level ISTE Convention - Students chapter was conducted At SVCE in the month of April 29,2023</li> <li>• 12 Patents filed and published since last 3 years</li> <li>• Research Projects and Seminars conducted using the Grants received.</li> <li>• Research Proposals and AICTE -FDP Proposals have been submitted.</li> <li>• Consultancy service provided to the other institute/universities and Industries such as Wester Thomson,Nippon Thermostat</li> <li>• Events Organized ( workshops/seminars/ webinars/Guest lectures/Institute Innovation council/Mec- programs ): 36 nos.</li> <li>• Launched B.E Mechanical and Automation (UG) program in the year 2022 .</li> <li>• Industrial Visit to Both the UG and P students have been arranged .Axels India Ltd Brakes India Limited, SRV engineering, Delphi TVS.etc.</li> </ul>

- UG-Students around 96 students underwent In-plant training/Internship in the top-most & reputed industries like M/s.Hyundai, TVS/Delphi TVS, WTI Ltd., Ashok Leyland.
- Around 10 UG students underwent internship at National Power Training Institute (Southern Region), Neyveli .

#### **Student's Achievements**

- Pooja.S II year Mec., presented a project titled "Smart Wearable Knee Comforter and wrist Assist" and secured the I Prize in the Students' Research Day 2023 at SVCE .
- Varadharajan C N, Monish V and Sai Surya S are participated in a Design Hack athan ,It's a skill development Initiative event under the aegis of 'Naan Mudhalvan' programme. Second runner up in Fusion 360 Mega challenge (final round) with a cash prize of Rs.10,000. It is a 24 hours design hackathon . This program is conducted by Anna University in association with Tamil Nadu Skill Development Corporation (TNSDC) and powered by Autodesk
- Praveen Kumar N from fina 1 Year ,presented a research paper entitled "Tool Life Monitoring Using Machine Learning Techniques" in "International Conference on Advanced Communication Control &

ANNEXURE – II				
	<b>Name of the Department</b>	BIOTECHNOLOGY		
	<b>Course</b>	M.Tech.		
	<b>Level</b>	Post Graduate		
	<b>1<sup>st</sup> year of approval by the Council</b>	Approved by AICTE, Affiliated to Anna university, Chennai		
		2021-2022	2020-21	2019-20
	<b>Year wise sanctioned intake</b>	18	18	18
	<b>Year wise actual admission</b>	5	9	12
	<b>Cut off marks – General quota</b>	Not Applicable	Not Applicable	Not Applicable

	<b>% Students passed with First Class with Distinction</b>	88.88%	100%	100%
	<b>% Students passed with First Class</b>	11.12%	-	-
	<b>Students placed</b>	Not Applicable	Not Applicable	Not Applicable
	<b>Average Pay package, Rs/year</b>	Not Applicable	Not Applicable	Not Applicable
	<b>Students opted for Higher studies</b>	Not Applicable	Not Applicable	Not Applicable
	<b>Accreditation Status of the course</b>	Accredited by NBA Date and Period of Last Approval :29.03.2018 and till 30.06.2021		
	<b>Doctoral Courses</b>	Ph.D. in Biotechnology		
	<b>Foreign collaborations, if any</b>	Not available		
	<b>Professional Society Memberships</b>	<b>Dr. M. Sivanandham</b> <ul style="list-style-type: none"> <li>● Chief Editor of International Journal of Contemporary Science &amp; Engineering</li> <li>● Life member in Society of biological Chemists of India, IISC Bangalore</li> <li>● Member of the Scientific Advisory Board, Curevax Inc., Flemington, USA</li> <li>● Member of the Editorial Board, American Journal of Chinese Medicine</li> <li>● Editor, Biotechorum Newsletter of the Association for Biotechnologist, Coimbatore</li> <li>● Member of American Association of Animal Sciences</li> <li>● Member of International Society for Vaccines</li> <li>● Founding Member, Association for Biotechnologist, Coimbatore.</li> </ul> <b>Dr. E. Nakkeeran</b>		

		<ul style="list-style-type: none"> <li>● Associate Editor – International Research Journal of Microbiology</li> <li>● Editorial Board Member - International Journal of Nutrition and Food Sciences, Journal of Enzymology and Metabolism</li> <li>● Member of Indian Food Expert Platform</li> <li>● Member of Association of Food Scientists and Technologists India</li> <li>● Life Member of International Association of Computer Science and Information Technology</li> <li>● Member of International Association of Engineers</li> <li>● Member of APCBEES - Asia Pacific Chemical Biological and Environmental Engineering Society</li> <li>● Scientific board member of Chemical, Biological and Environmental Engineering in International Institute of Chemical, Biological and Environmental Engineering (Thailand)</li> <li>● Reviewer for Journal of Hazardous Materials, Bioresource Technology, International Journal of Food Science &amp; Nutrition and Journal of Food Science &amp; Technology</li> <li>● Life member of ISRD</li> <li>● Life member of IAENG</li> </ul> <p><b>Ms. V. Sumitha</b></p> <ul style="list-style-type: none"> <li>● Life member in VIBHA</li> <li>● Life member of ISRD</li> <li>● Life member of IAENG</li> </ul> <p><b>Ms. S. Pandi Prabha</b></p> <ul style="list-style-type: none"> <li>● Life membership in ISTE</li> <li>● Life membership in ISRD</li> <li>● Life membership in IAENG</li> </ul> <p><b>Mr. P. K. Praveen Kumar</b></p> <ul style="list-style-type: none"> <li>● Advisory board member in World Journal of Pharmacy and Pharmaceutical Sciences (Bulgaria Journal)(IF: 2.786) and World Journal of Pharmaceutical Research (Bulgaria Journal)(IF: 5.045)</li> <li>● Scientific board member of Biological, Pharmaceutical and Medical Sciences in International Institute of Chemical, Biological and Environmental Engineering (Thailand), International Association of Engineers</li> </ul>
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		<p>(Hongkong,China) (Membership No: 138195)</p> <ul style="list-style-type: none"> <li>● Technical Advisory Committee Member for “International Conference on Computational Systems in Engineering and Technology-2014” and for World Congress on Engineering &amp; Computer Science 2014 (Membership No: 138195) (San Francisco, USA)</li> <li>● Associate Editor in BIOINFO Pharmaceutical Biotechnology (ICF: 4.28 (2011)) and Editor in Journal of Enzymology and Metabolism and Journal of Computing and Technology</li> <li>● Member in Research Journal of Biotechnology</li> <li>● Member/ Biopharmaceutical Scientist in Institutional Animal Ethical Committee for the academic year 2012-15 in SVCE</li> <li>● Pharmacologist in Institutional Human Ethical Committee for the academic year 2014-16 in SVCE</li> <li>● Life time Member in The Indian Science Congress Association (Membership No: L22390)</li> <li>● Life time Member in Biotechnology Research Society of India (Membership No: LM1013)</li> <li>● Peer Reviewer of Global Journal of Medical Research (USA), Journal of Pharmacy and Pharmacology (USA), International Journal of Computational and Theoretical Chemistry (USA), Science Research (USA), International Annals of Ethno medicine (India) and, Journal of Agriculture and Biodiversity Research (India)</li> </ul> <p><b>Dr. K. Divakar</b></p> <ul style="list-style-type: none"> <li>● Associate fellow Telangana academy of sciences</li> <li>● Life member- IAENG</li> <li>● Member Editorial board - Bioprocess Engineering</li> </ul> <p><b>Mr. J. Hariharan</b></p> <ul style="list-style-type: none"> <li>● Life membership in ISTE</li> </ul> <p><b>Mr. N. Sathish</b></p> <ul style="list-style-type: none"> <li>● Life Member in Asia Federation of Biotechnology Association</li> </ul>
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	<ul style="list-style-type: none"> <li>● Life member of IAENG</li> <li>● Indian society of Microbiology</li> <li>● International society of Research and Development</li> </ul> <p><b>Mr. S. Naga Vignesh</b></p> <ul style="list-style-type: none"> <li>● Member of International Association of Engineers</li> <li>● Member of APCBEES - Asia Pacific Chemical Biological and Environmental Engineering Society</li> </ul> <p><b>Ms. N. Kanagam</b></p> <ul style="list-style-type: none"> <li>● Life member of ISRD</li> <li>● Life member of IAENG</li> </ul> <p><b>Ms. R. Rathna</b></p> <ul style="list-style-type: none"> <li>● Associate Member of Chemical Engineering in IEI</li> </ul> <p><b>Dr. Vasantharaj K</b> The Institution of Engineers (India) Indian Society for Technical Education International Association of Engineers Institute for Engineering Research and Publication</p> <p><b>Dr. Karthigadevi G</b> Life member of IAENG</p> <p><b>Ms. U. Vidyadevi</b> Life member of Society for Biotechnologists (INDIA)</p>
<b>Professional Activities</b>	<p><b>FDPs/STTP/workshop/conference/Seminar/webinar details:</b></p> <ul style="list-style-type: none"> <li>● Dr. K. Divakar attended ATAL FDP on Recent Advances in Biosimilars Development at NIPER, Kolkata between 05.07.2021 to 09.07.2021</li> <li>● Dr. G. Karthigadevi attended ATAL FDP on Novel Materials at Indian Institute of Technology Bhilai between 05.07.2021 to 09.07.2021</li> <li>● Mr. S. Naga Vignesh attended ATAL FDP On Computational Synthetic and Systems Biology at Indian Institute of Technology Guwahati. Between 26.07.2021 to 30.07.2021</li> <li>● Prof. E. Nakkeeran attended FDP on Entrepreneur Ecosystem at Centre for Entrepreneurship Development, Anna University, Chennai between 02.08.2021 to</li> </ul>

		<p>06.08.2021</p> <ul style="list-style-type: none"> <li>• Dr. K. Divakar attended FDP on Entrepreneur Ecosystem at Centre for Entrepreneurship Development, Anna University, Chennai between 02.08.2021 to 06.08.2021</li> <li>• Dr. K. Ganesh Prasath attended FDP on Entrepreneur Ecosystem at Centre for Entrepreneurship Development, Anna University, Chennai between 02.08.2021 to 06.08.2021</li> <li>• Dr. G. Karthigadevi attended ATAL FDP on Sustainable green composites, design , manufacturing and characterization at NIT , Meghalaya between 09.08.2021 to 13.08.2021</li> <li>• Mrs. U. Vidhyadevi attended ATAL FDP on Recent Trends in BioMEMS and Medical Microdevices: From Devices to Applications at National Institute of Technology Silchar between 20.08.2021 to 24.08.2021</li> <li>• Dr. S. Pandi Prabha attended FDP on Drug Discovery from lab to industry in Biotechnology at National Institute of Technology Andhra Pradesh between 23.08.2021 to 27.08.2021</li> <li>• Dr. PK. Praveen Kumar attended ATAL Academy Online Elementary National FDP on Molecular Modelling and Insilico drug designing at St. Joseph's College of Engineering, Chennai between 23.08.2021 to 27.08.2021</li> <li>• Dr. K. Divakar attended ATAL FDP on Computer Aided Drug Design in Drug Discovery at IIIT Allahabad between 06.09.2021 to 10.09.2021</li> <li>• Dr. PK. Praveen Kumar attended ATAL Academy Online Elementary National FDP on Artificial intelligence in drug repurposing and polypharmacology at Seven Hills College of Pharmacy, Tirupati between 20.09.2021 to 24.09.2021</li> <li>• Mr. K. Prasanna attended ATAL Academy Online Elementary National FDP on Artificial intelligence in drug repurposing and polypharmacology at Seven Hills College of Pharmacy, Tirupati between 20.09.2021 to 24.09.2021</li> <li>• Dr. K. Divakar attended FDP on NBA Accreditation and Teaching-Learning Process in Engineering at SKIT, Jaipur between 15.11.2021 to 19.11.2021</li> <li>• Dr. K. Ganesh Prasath attended ATAL FDP on Gene and Genome Technology for Biologists at Bihar Animal Sciences University, Bihar between 22.11.2021 to 26.11.2021</li> </ul>
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	<ul style="list-style-type: none"> <li>● Ms. R. Rathna attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Implementation of National Education policy- 2020 at ATME College of Engineering between 24.01.2022 to 28.01.2022</li> <li>● Ms. R. Rathna attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Applications of CRISPR-Cas Gene Editing Tool at Maulana Abul Kalam Azad University of Technology, West Bengal between 07.02.2022 to 11.02.2022</li> <li>● Dr. K. Ganesh Prasath attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Applications of CRISPR-Cas Gene Editing Tool at Maulana Abul Kalam Azad University of Technology, West Bengal between 07.02.2022 to 11.02.2022</li> <li>● Mr. J. Hariharan attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Applications of CRISPR-Cas Gene Editing Tool at Maulana Abul Kalam Azad University of Technology, West Bengal between 07.02.2022 to 11.02.2022</li> <li>● Ms. U. Vidhyadevi attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Applications of CRISPR-Cas Gene Editing Tool at Maulana Abul Kalam Azad University of Technology, West Bengal between 07.02.2022 to 11.02.2022</li> <li>● Dr. K. Vasantharaj attended Nanotechnology in Health, Food and Environment at Kumaraguru College of Technology, Coimbatore between 09.05.2022 to 13.05.2022</li> <li>● Mr. K. Prasanna attended FDP on Recent Chemistry Applications in Environment and Human Health at Ramakrishnan College of Engineering between 12.07.2021 to 14.07.2021</li> <li>● Dr. PK. Praveen Kumar attended FDP on PALS-VLAB at NITK, Surathkal between 06.09.2021 to 08.09.2021</li> <li>● Mrs. U. Vidhyadevi attended STTP on Functional Metagenomics and Bioprocessing of Therapeutic Enzymes (Phase 4) at Sri Venkateswara College of Engineering between 26.07.2021 to 31.07.2021</li> <li>● Mr. N. Sathish attended STTP on Functional Metagenomics and Bioprocessing of Therapeutic Enzymes (Phase 4) at Sri Venkateswara College of Engineering between 26.07.2021 to 31.07.2021</li> <li>● Mr.K.Prasanna attended STTP on Functional Metagenomics and Bioprocessing of Therapeutic Enzymes (Phase 4) at Sri Venkateswara College of</li> </ul>
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		<p>Engineering between 26.07.2021 to 31.07.2021</p> <ul style="list-style-type: none"> <li>● Dr. K. Divakar attended ATAL FDP on Recent Advances in Biosimilars Development at NIPER, Kolkata between 05.07.2021 to 09.07.2021</li> <li>● Dr. G. Karthigadevi attended ATAL FDP on Novel Materials at Indian Institute of Technology Bhilai between 05.07.2021 to 09.07.2021</li> <li>● Mr. S. Naga Vignesh attended ATAL FDP On Computational Synthetic and Systems Biology at Indian Institute of Technology Guwahati. Between 26.07.2021 to 30.07.2021</li> <li>● Prof. E. Nakkeeran attended FDP on Entrepreneur Ecosystem at Centre for Entrepreneurship Development, Anna University, Chennai between 02.08.2021 to 06.08.2021</li> <li>● Dr. K. Divakar attended FDP on Entrepreneur Ecosystem at Centre for Entrepreneurship Development, Anna University, Chennai between 02.08.2021 to 06.08.2021</li> <li>● Dr. K. Ganesh Prasath attended FDP on Entrepreneur Ecosystem at Centre for Entrepreneurship Development, Anna University, Chennai between 02.08.2021 to 06.08.2021</li> <li>● Dr. G. Karthigadevi attended ATAL FDP on Sustainable green composites, design , manufacturing and characterization at NIT , Meghalaya between 09.08.2021 to 13.08.2021</li> <li>● Mrs. U. Vidhyadevi attended ATAL FDP on Recent Trends in BioMEMS and Medical Microdevices: From Devices to Applications at National Institute of Technology Silchar between 20.08.2021 to 24.08.2021</li> <li>● Dr. S. Pandi Prabha attended FDP on Drug Discovery from lab to industry in Biotechnology at National Institute of Technology Andhra Pradesh between 23.08.2021 to 27.08.2021</li> <li>● Dr. PK. Praveen Kumar attended ATAL Academy Online Elementary National FDP on Molecular Modelling and Insilico drug designing at St. Joseph's College of Engineering, Chennai between 23.08.2021 to 27.08.2021</li> <li>● Dr. K. Divakar attended ATAL FDP on Computer Aided Drug Design in Drug Discovery at IIIT Allahabad between 06.09.2021 to 10.09.2021</li> <li>● Dr. PK. Praveen Kumar attended ATAL Academy Online Elementary National FDP on Artificial intelligence in drug repurposing and polypharmacology</li> </ul>
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		<p>at Seven Hills College of Pharmacy, Tirupati between 20.09.2021 to 24.09.2021</p> <ul style="list-style-type: none"> <li>● Mr. K. Prasanna attended ATAL Academy Online Elementary National FDP on Artificial intelligence in drug repurposing and polypharmacology at Seven Hills College of Pharmacy, Tirupati between 20.09.2021 to 24.09.2021</li> <li>● Dr. K. Divakar attended FDP on NBA Accreditation and Teaching-Learning Process in Engineering at SKIT, Jaipur between 15.11.2021 to 19.11.2021</li> <li>● Dr. K. Ganesh Prasath attended ATAL FDP on Gene and Genome Technology for Biologists at Bihar Animal Sciences University, Bihar between 22.11.2021 to 26.11.2021</li> <li>● Ms. R. Rathna attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Implementation of National Education policy- 2020 at ATME College of Engineering between 24.01.2022 to 28.01.2022</li> <li>● Ms. R. Rathna attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Applications of CRISPR-Cas Gene Editing Tool at Maulana Abul Kalam Azad University of Technology, West Bengal between 07.02.2022 to 11.02.2022</li> <li>● Dr. K. Ganesh Prasath attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Applications of CRISPR-Cas Gene Editing Tool at Maulana Abul Kalam Azad University of Technology, West Bengal between 07.02.2022 to 11.02.2022</li> <li>● Mr. J. Hariharan attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Applications of CRISPR-Cas Gene Editing Tool at Maulana Abul Kalam Azad University of Technology, West Bengal between 07.02.2022 to 11.02.2022</li> <li>● Ms. U. Vidhyadevi attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Applications of CRISPR-Cas Gene Editing Tool at Maulana Abul Kalam Azad University of Technology, West Bengal between 07.02.2022 to 11.02.2022</li> <li>● Dr. K. Vasantharaj attended Nanotechnology in Health, Food and Environment at Kumaraguru College of Technology, Coimbatore between 09.05.2022 to 13.05.2022</li> <li>● Mr. K. Prasanna attended FDP on Recent Chemistry Applications in Environment and Human Health at Ramakrishnan College of Engineering between</li> </ul>
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		<p>12.07.2021 to 14.07.2021</p> <ul style="list-style-type: none"> <li>• Dr. PK. Praveen Kumar attended FDP on PALS-VLAB at NITK, Surathkal between 06.09.2021 to 08.09.2021</li> <li>• Dr. K. Vasantharaj attended A One Week Online Certificate Course on Recent Trends in Wastewater Treatment and Management at</li> <li>• St. Peter's Engineering College, Hyderabad between 07.07.2021 to 13.07.2021</li> <li>• Mr.K.Prasanna attended Preparatory Workshop on Waste, Energy and Environmental Audit (WEE-2021) at Satyabhama Institute of Science and Technology between 19.07.2021 to 24.07.2021</li> <li>• Mr. J. Hariharan attended eConference on Pharma 4.0: Transforming Pharmaceutical Manufacturing (2021) at Separation Science, UK, Sponsored by Thermofisher (Online) between 06.10.2021 to 24.11.2021</li> <li>• Dr. K. Vasantharaj attended High-End International Workshop on Technologies for Increasing the Shelf-Life of Perishable Foods at</li> <li>• National Institute of Technology, Rourkela, Odisha between 13.12.2021 to 17.12.2021</li> <li>• Dr. K. Vasantharaj attended International Webinar on Industrial Innovations and Entrepreneurship Opportunities in Algal Biotechnology (IIEA 2021) at Madras Christian College (Autonomous) between 26.07.2021 to 28.07.2021</li> <li>• Dr. K. Ganesh Prasath attended Academic Writing: Statistical issues at Global Institute of Statistical Solutions between 05.08.2021</li> <li>• to 07.28.2021 Mr. N. Sathish attended National Level Conference on Nucleic acid science and Technology (NCNST-2021) at CSIR-Institute of Minerals and Materials Technology between 10.08.2021 to 13.08.2021</li> <li>• Mr. K. Prasanna attended National Level Conference on Nucleic acid science and Technology (NCNST-2021) at CSIR-Institute of Minerals and Materials Technology between 10.08.2021 to 13.08.2021</li> <li>• Dr. K. Ganesh Prasath attended Workshop on Molecular Docking at Qstatix Pvt.Ltd, India between 04.10.2021 to 05.10.2021</li> <li>• Dr. K. Vasantharaj attended Virtual Training on Biodiversity of Microalgae and its Identification Techniques – tapping the ancient power of microalgae at Srimad Andavan Arts and Science College (Autonomous), Trichy between 28.10.2021 to</li> </ul>
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		<p>30.10.2021</p> <ul style="list-style-type: none"> <li>● Mr. J. Hariharan attended 4th International Conference on Computer Networks, Big Data and IoT (ICCBI 2021) at CARE college of Engineering, Trichy between 09.12.2021 to 10.12.2021</li> <li>● Mr. S. Naga Vignesh attended 4th International Conference on Computer Networks, Big Data and IoT (ICCBI 2021) at CARE college of Engineering, Trichy between 09.12.2021 to 10.12.2021</li> <li>● Dr. K. Vasantharaj attended 36th Indian Engineering Congress at The Institution of Engineers (India) between 15.12.2021 to 16.12.2021</li> <li>● Dr. K. Divakar attended Workshop on How Teachers Can Make a Difference at Teaching Learning Centre, IIT Madras between 22.12.2021 to 24.12.2021</li> <li>● Dr. K. Ganesh Prasath attended Workshop on How Teachers Can Make a Difference at Teaching Learning Centre, IIT Madras between 22.12.2021 to 24.12.2021</li> <li>● Dr. S. Pandi Prabha attended International e-Lecture Workshop on Innovation in Biotechnology &amp; Inauguration of Nano and Biomaterials Association (NBA) at School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India in association with the Biotech Research Society, India (BRSI). between 19.01.2022 to 20.01.2022</li> <li>● Dr. V. Sumitha attended Workshop on Optimisation of process parameters using Minitab at Bannari Amman Institute of Technology between 21.04.2022 to 22.04.2022</li> <li>● Dr. K. Vasantharaj attended National Webinar on I.P.R. &amp; Plagiarism at SJMSM's Arts &amp; Commerce College, Khapar between 05.07.2021 to 05.07.2021</li> <li>● Dr. K. Vasantharaj attended Webinar on Void and Scope of Biofuels: A detailed perspective through Bioprocess Technology at Why, What and How. between 10.07.2021 to 10.07.2021</li> <li>● Dr. PK. Praveen Kumar attended National webinar on Antiretroviral Therapy – How it works on HIV infection? at Biopsych and Bioscience, Chennai between 17.07.2021 to 17.07.2021</li> <li>● Mr. N. Sathish attended Refresher course on Indian constitution and Society at Sri Venkateswara College of Engineering between 14.08.2021 to 14.08.2021</li> <li>● Ms. R. Rathna attended International webinar on Parenting numbers and quantities with precision and style at Research Marketing APAC Willey between</li> </ul>
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		<p>17.08.2021 to 17.08.2021</p> <ul style="list-style-type: none"> <li>● Prof. E. Nakkeeran attended PALS associated session on BIG - Biotechnology Ignition Grant at HTIC Medtech Incubator between 24.08.2021 to 24.08.2021</li> <li>● Ms. R. Rathna attended International webinar on Conquering the intricacies of citations and references at Research Marketing APAC Willey between 24.08.2021 to 24.08.2021</li> <li>● Mr. N. Sathish attended Tuberculosis vaccines in the Pipeline at Biopsych Bioscience between 28.08.2021 to 28.08.2021</li> <li>● Mr. N. Sathish attended Scope of Plumbing sign for Civil Engineers at Sri Venkateswara College of Engineering between 31.08.2021 to 31.08.2021</li> <li>● Mrs. U. Vidhyadevi attended National Seminar on Qualitative &amp; Quantitative Metrics in RAAF of NAAC at Rajalakshmi Engineering College between 17.9.2021 to 17.9.2021</li> <li>● Dr. PK. Praveen Kumar attended The First Edition of Icube at Sri Venkateswara College of Engineering between 19.9.2021 to 19.9.2021</li> <li>● Mrs. U. Vidhyadevi attended National Seminar on Computational system Biology at Mepco Schlenk Engineering College Sivakasi between 24.9.2021 to 24.9.2021</li> <li>● Dr. K. Vasantharaj attended Fermentation Technology and its Modern Applications at Saveetha school of engineering between 30.10.2021 to 30.10.2021</li> <li>● Dr. G. Karthigadevi attended Fermentation Technology and its Modern Applications at Saveetha school of engineering between 30.10.2021 to 30.10.2021</li> <li>● Prof. E. Nakkeeran attended Popular Lectures in Biotechnology at Sri Venkateswara College of Engineering between 09.11.2021 to 09.11.2021</li> <li>● Dr. K. Ganesh Prasath attended Workshop on Entrepreneurship &amp; Innovation as a Career Opportunity at Sri Venkateswara College of Engineering between 23.12.2021 to 23.12.2021</li> <li>● Mr. J. Hariharan attended International webinar on Part I: Microbiological Quality Control in Pharmaceutical Industry; Part II: Compliance for Lab Balances at Wiley Analytical Science, UK between 27.04.2022 to 27.04.2022</li> <li>● Mr. J. Hariharan attended National Workshop on Implementation of 5S and quality circles in Higher Educational Institutions at Sri Venkateswara College of</li> </ul>
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		<p>Engineering between 28.04.2022 to 28.04.2022</p> <ul style="list-style-type: none"> <li>• Mr. J. Hariharan attended International Webinar on Natural Product Screening for Drug Discovery at Wiley Analytical Science, UK between 03.05.2022 to 03.05.2022</li> <li>• Mr. J. Hariharan attended International Webinar on An Insider's Perspective on the Myths and Truths Surrounding Genetic Genealogy at Wiley Analytical Science, UK between 03.05.2022 to 03.05.2022</li> <li>• Mr. J. Hariharan attended International Webinar on Vibrational Spectra Search System Tools: AnIntroduction at Wiley Analytical Science, UK between 04.05.2022 to 04.05.2022</li> </ul>
	<b>Departmental Achievements</b>	<p><b><u>Research and Review Publications by Faculty</u></b></p> <ul style="list-style-type: none"> <li>• Karthigadevi G published a paper on Insights of CRISPR-Cas systems in stem cells: progress in regenerative medicine in Molecular biology reports</li> <li>• Karthigadevi G published a paper on Efficiency of microbial fuel cells in the treatment and energy recovery from food wastes: Trends and applications - A review in Chemosphere</li> <li>• Ganesh Prasath K published a paper on Suppression of Thiol-Dependent Antioxidant System and Stress Response in Methicillin-Resistant Staphylococcus aureus by Docosanol: Explication Through Proteome Investigation in Molecular biotechnology</li> <li>• Boddu RS, Onkara P, &amp; <b>Divakar K*</b> published a paper on Microbial nitroreductases: A versatile tool for biomedical and environmental applications in Biotechnology and Applied Biochemistry</li> <li>• Reshmy R, Balakumaran PA, <b>Divakar K</b>, et al published a paper on Microbial valorization of lignin: Prospects and challenges in Bioresource Technology</li> <li>• Boddu RS, Ajay Prabhakar K &amp; <b>Divakar K*</b> published a paper on Metagenomic Bioprospecting of Uncultivable Microbial Flora in Soil Microbiome for Novel Enzymes in Geomicrobiology Journal</li> <li>• <b>Praveen Kumar P.K*</b>, Priyadarshini A, Sivanandham M published a paper on A Review on Rotenoids: Purification, Characterization and its Biological Applications in Mini Reviews in Medicinal Chemistry</li> </ul>

	<ul style="list-style-type: none"> <li>● Rekha Ravindran, <b>Praveen kumar P.K*</b>, Sriram Kumar, Sujata Roy, Sakthi Abbirami Gowthaman, Johanna Rajkumar published a paper on In silico studies of PARP1 and P2Y1 receptors as prospective targets of Withaferin-A for Cardiovascular diseases in Letters in Drug Design &amp; Discovery</li> <li>● Aswin Jeno JG, Maria Packiam S, <b>Nakkeeran E</b> published a paper on Contact in-vivo larvicidal toxicity and histological studies of Indian herb essential oils loaded niosomes against Aedes aegypti and Culex quinquefasciatus (Diptera: Culicidae) in International Journal of Tropical Insect Science, 42:1373-1387</li> <li>● Vasanthi.G, Usha Antony, <b>Nakkeeran E</b> published a paper on Development of Image Analysis method for physical characterisation and determination of fibre content by physicochemical analysis of banana pseudostem in AMA, Agricultural Mechanization in Asia, Africa and Latin America, 52:</li> <li>● Vasanthi.G, Usha Antony, <b>Nakkeeran E</b> published a paper on Design and Development of Fibre Enrich Biscuits Substituted With Banana Pseudo Stem Flour in AMA, Agricultural Mechanization in Asia, Africa and Latin America, 52:4551-4560</li> <li>● Dhrithi P, Kalpha Varshaa R and <b>Nakkeeran E</b> published a paper on Development of Health Mix Enriched with Processed Citrullus lanatus Seed Flour in Research &amp; Reviews: Journal of Food Science &amp; Technology, 11(1):1-9</li> <li>● Satyanarayana N, Ramyasree B, Sathish K, Nagaraju N, <b>Divakar K*</b>, Pawar R, Shirisha T and Dhurke Kashinath</li> <li>● published a paper on Synthesis of 2-styryl-quinazoline and 3-styryl-quinoxaline based sulfonate esters via sp<sup>3</sup> C-H activation and their evaluation for <math>\alpha</math>-glucosidase inhibition in New Journal of Chemistry</li> <li>● C. Karthik, D. G. Caroline, <b>S. Pandi Prabha</b> published a paper on Nanochitosan augmented with essential oils and extracts as an edible antimicrobial coating for the shelf life extension of fresh produce: a review in <u>Polymer Bulletin</u></li> </ul>
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	<ul style="list-style-type: none"> <li>● C. Karthik, K. A. Punnaivalavan, <b>S. Pandi Prabha</b> &amp; D. G. Caroline published a paper on Multifarious global flora fabricated phytosynthesis of silver nanoparticles: a green nanoweapon for antiviral approach including SARS-CoV-2 in <u>International Nano Letters</u></li> <li>● K.Vasantharaj published a paper on Evaluation of a sulfidogenic system fed with microalgal biomass of Chlorella pyrenoidosa as an electron donor: Sulfate reduction kinetics in International Journal of Hydrogen Energy</li> <li>● K.Vasantharaj published a paper on Lysinibacillus sp. strain VSV3 16S ribosomal RNA gene, partial sequence in The National Center for Biotechnology Information (NCBI)</li> <li>● Ashwin Anandhapadman,Ajay Venkateswaran,<b>Hariharan Jayaraman</b>,Nalinkanth Veerabadran Ghone published a paper on</li> <li>● Advances in 3D printing of composite scaffolds for the repairment of bone tissue associated defects in Biotechnology Progress</li> <li>● Hamed Ishaq Khouja, Ibraheem Mohammed Ashankyty, Leena Hussein Bajrai, <b>P.K Praveen Kumar</b>, Mohammad Amjad Kamal and Mohammad Mobashir published a paper on Stage-wise gene expression profiling reveals potential genes and the pathways in kidney cancer in <i>Scientific reports</i>, 12 (1): 7240, 1-10.</li> <li>● <b>Praveen Kumar P K*</b>, Ashwini Verma Nayaker, Priyadharshini A, Dharani Abirama Sundari S, Sivanandham M, Amrutha K, Prasanna D Revanasidappa published a paper onMolecular docking and simulation binding analysis of Boeravinone B with Caspase-3 and EGFR of Hepatocellular carcinoma in Letters in Drug Design and Discovery</li> <li>● Karthik C, Punnaivalavan K A, Pandi Prabha S, Caroline D G published a paper onGreen synthesis of rGO-AgNP composite using Curcubita maxima extract for enhanced photocatalytic degradation of the organophosphate pesticide chlorpyrifos in Environmental Science and Pollution Research</li> <li>● <b>Pandi Prabha S, Johanna Rajkumar, Karthik C</b></li> </ul>
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		<p>published a paper on Hepatotoxic effect of lead and hepatoprotective effect of Hydrilla verticillata on hepatic transcriptional and physiological response in edible fish Labeo rohita in Drug and Chemical Toxicology</p> <p><b>Book Chapters Published</b></p> <ul style="list-style-type: none"> <li>● Kheerthivasan R, NadeemSiddiqui, <b>Nakkeeran E</b> , Divakar K published a book chapter on Insights into the impact of biorefineries and sustainable green technologies on circular bioeconomy in Biofuels and bioenergy, A Techno-Economic Approach in Elsevier</li> <li>● Palanisamy Athiyaman Balakumaran, <b>K. Divakar</b>, Raveendran Sindhu, Ashok Pandey, Parameswaran Binod published a book chapter on Gut microbes: Role in production of nutraceuticals Current Developments in Biotechnology and Bioengineering: Technologies for Production of Nutraceuticals and Functional Food Products In Elsevier</li> <li>● Nagappan S, Aswin Jeno JG, Viveka R and <b>Nakkeeran E</b> published a book chapter on Recent Advances in nano-technology. Based Cell Toxicity Evaluation Approaches Relevant to Biofuels and Bioenergy Applications in Nanomaterials Application in Biofuels and Bioenergy Production Systems in Elsevier</li> </ul> <p><b><u>Conferences/ Workshop/ Seminar/ FDP/ Symposium Conducted</u></b></p> <ul style="list-style-type: none"> <li>● Prof. E. Nakkeeran, Dr. K. Divakar, Ms. R. Rathna organized Functional Metagenomics and Bioprocessing of Therapeutic Enzymes (FMBTE - 2021) Phase -4 at Sri Venkateswara College of Engineering between 26.07.2021 to 31.07.2021</li> <li>● Mr. J. Hariharan, Mr. S. Naga Vignesh organized Medical Biomaterials at Sri Venkateswara College of Engineering between 02.08.2021 to 8.08.2021</li> <li>● Dr. K. Vasantharaj organized Bioprocess optimization using design of experiments at Sri Venkateswara College of Engineering on 08.10.2021</li> <li>● Dr. V. Sumitha, Dr. K. Divakar organized Guest lecture</li> </ul>
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		<p>on Microbial Biotechnology: Development of efficient prebiotics, probiotics and synbiotics for human health by Dr. Ashok Kumar Dubey, Senior Scientist and Lead - Nutrition &amp; Biosciences, M/S. Tata Chemicals Ltd., Pune at Sri Venkateswara College of Engineering on 27.10.2021</p> <ul style="list-style-type: none"> <li>● Dr. PK. Praveen Kumar, Dr. G. Karthigadevi organized Anti-Cancer Drug Discovery at Sri Venkateswara College of Engineering on 09.11.2021</li> <li>● Dr. K. Vasantharaj organized Structured and unstructured models of bioprocesses at Sri Venkateswara College of Engineering on 12.11.2021</li> <li>● Dr. K. Vasantharaj organized Application of material balance in bioprocesses at Sri Venkateswara College of Engineering on 15.12.2021</li> <li>● Dr. K. Divakar organized Guest Lecture on IPR in Biotechnology, by Dr. Ramjee Pallela, COO-ATAL Incubation Centre, Centre for Cellular and Molecular Biology, Hyderabad at Sri Venkateswara College of Engineering on 29.12.2021</li> <li>● Dr. PK. Praveen Kumar organized International Webinar on World of Drug Discovery: A brief overview from drug discovery to deliverance to patients by Adhithya Charli, Senior Scientist (Discovery Toxicology), Biogen (USA), 24/01/2022 at Sri Venkateswara College of Engineering on 24.01.2022</li> <li>● Dr. G. Karthigadevi v Guest lecture on Valorisation of shell fishery waste by Dr. Seenivasan Ayothiraman, NIT Andhra pradesh at Sri Venkateswara College of Engineering on 24.03.2022</li> <li>● Dr. Divakar K / Mr. Hariharan J organized Hands on Workshop on Molecular Biotechnology at Sri Venkateswara College of Engineering between 29.03.2022 to 30.03.2022</li> <li>● Dr.K.Vasantharaj V Advances in Recombinant DNA Technology: Tools and Applications at Sri Venkateswara College of Engineering on 11.04.2022</li> <li>● Dr.K.Vasantharaj V Design and Applications of Plug Flow Bioreactors at Sri Venkateswara College of Engineering on 23.04.2022</li> </ul>
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	<b>Consultancy activities</b>	Nil
	<b>Grants fetched</b>	<ul style="list-style-type: none"> <li>Dr. P.K. Praveen Kumar Mentor: Prof. M. Michael Gromiha, IITM received research grant for the project Epitope based vaccine development against Zika virus by Reverse Vaccinology from Science and Engineering Research Board (SERB) - Teacher Associateship for Research Excellence (TARE) Fellowship, GoI for Rs.18.3 Lakhs</li> <li>Dr. PK. Praveen Kumar and Dr. G. Karthigadevi received a Conference / Workshop Grants for Popular Lectures in Biotechnology on Anti Cancer Drug Discovery from Department of Biotechnology, GoI for Rs.8000</li> <li>Prof M Sivanandham, Dr. V. Sumitha and Ms. Sowmya received intramural research grant for Augmenting vaccine efficacy by IL-2 encoded Lactobacillus casei as an adjuvant invitro immunomodulatory effects Andrographis paniculata extract on cytokine gene expression and cell proliferation in human peripheral blood mononuclear cells from SVCE for Rs.10000</li> <li>Dr. K. Divakar and Ms. T. Amrutha received intramural research grant for Metagenomic analysis of Mobile Genetic Elements from Antimicrobial Resistance Hot Spots in Cooum River from SVCE for Rs.10000</li> <li>Mr. Hariharan J and Ms. Firdous Mujeeb received intramural research grant for Preparation and characterization of diosgenin-loaded liposomes for drug delivery in breast cancer cells from SVCE for Rs.10000</li> <li>Dr.K. Divakar and Ms. Dharshene K received intramural research grant for Molecular docking and In vitro evaluation of anti-microbial potential of phytochemicals</li> </ul>

		<p>and phytopeptides against food spoiling microbes from SVCE for Rs.10000</p> <ul style="list-style-type: none"> <li>Ms. R. Rathna, Ms. S. Aishwarya and Ms. M. Deepika received intramural research grant for Invitro immunomodulatory effect of Andrographis Paniculata extract on cytokine gene expression and cell proliferation in human peripheral blood mononuclear cell from SVCE for Rs.10000</li> </ul>
	<b>Distinguished Alumni</b>	<p>Karthik Raj B N-TANUVAS  Vidhyalakshmi J- Levim Biotech Pvt Ltd  Namritha Maniyodath- Indian Veterinary Research Institute in Banaglore  Kalaivani S S- Sri Ramachandra Institute of Higher Education and Research  Dilip Kumar S- Sathyabama Institute of Science and Technology Ramkishore.P- Jubilant Biosys Limited</p>

## ANNEXURE - II

1	Name of the Department	<b>Chemical Engineering</b>		
	Course	M.Tech Chemical Engineering		
	Level	Postgraduate		
	1 <sup>st</sup> year of approval by the Council	2011		
		2022-23	2021-22	2020-21
	Year wise sanctioned intake	09	09	09
	Year wise actual admission	Nil	03	03
	Cut off marks – General quota	NA	NA	NA
	% Students passed with First Class with distinction	33.33	66.67	100%
	% Students passed with First Class	66.67	33.33	-
	Students placed	N/A	N/A	N/A
	Average Pay package, Rs/year	N/A	N/A	N/A
	Students opted for Higher studies	N/A	N/A	N/A
	Accreditation Status of the course	AICTE approved		
	Doctoral	The department has been recognized as research centre for M.S and Ph.D program		

Courses	from 05 April 2011.
Foreign collaborations, if any	<p><b>USIEF-</b> (The united States- India Educational Foundation) – Student Exchange Programme</p> <p>Mr. Himanshu Dashora, Fullbright Scholar from Johns Hopkins University, USA worked under the mentorship of Prof.Nalinkanth V. Ghone in the Department of Chemical Engineering on the project titled “Cell-Cell Interaction Systems with Mesenchymal Stem Cells”, He received fellowship amount of Rs 10,00,000 /- from United States - India Educational Foundation (USIEF) for a period of nine months (Sept 2018 to May 2019).</p>
Professional Society Memberships	Most of the faculty members are holding membership in ISTE and IChE
Professional Activities	<p>International Conference on “ Green Materials And Renewable Energy” was conducted during 10th and 11th June 2021.</p> <p>National conference on “Technological Innovations in Chemical Engineering towards sustainability conference 22” (TICChCON’22) was conducted during 27th and 28th May 2022.</p> <p>Two Days National level Conference on Technological Innovations in Chemical Engineering towards sustainability conference 23, (TICChS'23) was conducted during 05th and 6th April 2023.</p> <p>A total of 33 guest lectures were delivered by eminent professionals and industrialists which were conducted by the Department of Chemical Engineering in association with AIChE and IChE - SVCE Student Chapter in the last three academic years.</p> <p>Every Academic Year a National Level Technical Symposium “PANSOPHY” is conducted / organized by students.</p>



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**PATENTS GRANTED:**

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		<b>Name Of The Faculty</b>	<b>Patent Topic</b>	<b>Patent Application Number</b>	
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Dr.N.Meyyappan, HOD/CHE Dr.D.G.Rao Professor Ms.G.Havisha (Final Year UG Student) Mr.M.Asifullah (Final Year UG Student) Ms.E.Lavanya (Final Year UG Student)	A Process for the preparation of the fruit toffees by microwave heating	350323 Patent granted on 28.10.2020
Dr N Meyyappan, Professor and HOD / CHE  Dr C Anand Babu, Former Professor  Mrs S Swathi, Former Faculty Member  Mr LS Badhri Narayanan, Former Research Scholar	Laboratory Scale Invertible and Constant Flow Resin Column	396960 Patent granted on 17/05/2022

#### **NPTEL CERTIFICATION – FACULTY**

S.NO	FACULTY MEMBER	PROGRAMME DETAILS	DURATION
1	Mr. N. ArunPremAnand	Transport Phenomena	12 Weeks
2	Dr.D.Swaminathan,ASP	Bioreactors	4 Weeks
3	Ms.S.Swathi,AP	Mechanical Operations	4 Weeks
4	Ms.S.Swathi,AP	Matlab Programming for Numerical Methods	8 Weeks
5	Ms.G.Thayanidhi,AP	Mechanical Operations	4 Weeks
6	Dr.M.YogeshKumar,AP	Matlab Programming for Numerical Methods	8 weeks
7	Mr.N.ArunPremAnand, AP	Waste to Energy Conversion	8 Weeks
8	Dr.R. Palani,ASP	Waste to Energy Conversion	8 Weeks
9	Ms.S.Swathi,AP	Technical English for Engineers	8 Weeks
10	Ms.G.Thayanidhi,AP	Technical English for Engineers	8 Weeks
11	Ms.S.Swathi,AP	Laws of Thermodynamics	4 Weeks
12	Ms.G.Thayanidhi,AP	Laws of Thermodynamics	4 Weeks
13	Ms.A.C.Vijayalakshmi, AP	Programming for everybody (getting started with Python)	4 Weeks

<p>Grants fetched</p> <p>(Last three Academic years 2022-23, 2021-22 and 2020-21)</p>	<p><b>Completed Project:</b></p> <p><b>Name of the project:</b></p> <p>Design of low-cost carbon absorbers to control the emission of carbon-di-oxide from the environment.</p> <p>Completed on 30th June 2022.</p> <p><b>Funding Agency:</b></p> <p>TNSCST</p> <p><b>Period and amount sanctioned:</b></p> <p>3 months &amp; Rs.7500</p> <p><b>Coordinator:</b></p> <p>Mr. M. Ananda Boopathy</p> <p><b>Ongoing Project:</b></p> <p><b>Name of the project:</b></p> <p>Process development and pilot scale demonstration for removal of metallic and other impurities from used pickle solution of SSTP</p> <p><b>Funding Agency:</b></p> <p>Board of Research in Nuclear Sciences (BRNS)</p> <p><b>Period and amount sanctioned:</b></p> <p>3 years &amp; 20.15 lakhs</p> <p><b>Coordinators:</b></p> <p>Dr. C. Anand Babu , Ms.S.Swathi, Dr N Meyyappan, Dr M Yogesh Kumar and Mr S Jai Ganesh.</p>
<p>Departmental Achievements</p> <p>(Last three Academic years 2022-23, 2021-22 and 2020-21)</p>	<p>Association of Chemical Technologist, IChE- SVCE Students chapter bagged “AMBUJA’S BEST STUDENTS CHAPTER AWARD”- FIRST PLACE in the Academic Year:2019-20 and SECOND PLACE in the Academic Year:2021-22. MoU Signed with IndCzech Engineering Private Limited, Chennai on 12-02-2020, Precision Equipments Chennai Private Limited, Chennai on 09-02-2022 and Kothari Petrochemicals Ltd., (KPL) Chennai on 21-02-2023.</p> <p><b>Consultancy Activities:</b></p> <p>Dr.N.Meyyappan,HOD/CHE, Mr.S.Jai Ganesh received Rs.1.42 Lakhs from Thirumalai Chemicals,Ranipet for consultancy and advisory service.</p> <p>Dr.N.Meyyappan,HOD/CHE,Mr.S.Jai Ganesh ,AP and Mr.N.Arun Premanand ,AP received Rs.38,950 from IndCzech Engineering Private Limited, Chennai for consultancy and advisory service.</p> <p>Dr.N.Meyyappan,HOD/CHE,Mr.S.Jai Ganesh ,AP and Mr.N.Arun Premanand ,AP received Rs.2.95 Lakhs from M/s CREVAC TECH Private Limited, Chennai for consultancy and advisory service.</p>

	Distinguished Alumni	<table> <tr> <th>S.No</th><th>Name of the alumni</th><th>Current Position</th></tr> <tr> <td>1</td><td>Mr.Senthilkumar D</td><td>Principal Process Engineer - Oil &amp; Gas, Refinery &amp; Petrochemical, McDermott International Ltd. Chennai, Tamilnadu.</td></tr> <tr> <td>2</td><td><u>Mr.Bhalamurugan G L</u></td><td>Quality Assurance Coordinator at Cardinal Health, Toronto, Ontario, Canada.</td></tr> <tr> <td>3</td><td>Ms.Vijayalakshmi N</td><td>Process Engineer, Dow Chemicals, Chennai.</td></tr> </table>	S.No	Name of the alumni	Current Position	1	Mr.Senthilkumar D	Principal Process Engineer - Oil & Gas, Refinery & Petrochemical, McDermott International Ltd. Chennai, Tamilnadu.	2	<u>Mr.Bhalamurugan G L</u>	Quality Assurance Coordinator at Cardinal Health, Toronto, Ontario, Canada.	3	Ms.Vijayalakshmi N	Process Engineer, Dow Chemicals, Chennai.
S.No	Name of the alumni	Current Position												
1	Mr.Senthilkumar D	Principal Process Engineer - Oil & Gas, Refinery & Petrochemical, McDermott International Ltd. Chennai, Tamilnadu.												
2	<u>Mr.Bhalamurugan G L</u>	Quality Assurance Coordinator at Cardinal Health, Toronto, Ontario, Canada.												
3	Ms.Vijayalakshmi N	Process Engineer, Dow Chemicals, Chennai.												

## ANNEXURE - II

1	Name of the Department	<b>Computer Science and Engineering</b>		
	Course	Master of Engineering		
	Level	Post Graduate		
	1 <sup>st</sup> year of approval by the Council	2002		
		<b>2021-22</b>	2020-21	2019-20
	Year wise sanctioned intake	12	25	25
	Year wise actual admission	-	2	-
	Cut off marks – General quota	-	43.4	-
	% Students passed with First Class with distinction	100	-	80.0
	% Students passed with First Class	-	-	20.0
	Students placed	1	-	1
	Average Pay package, Rs/year	5.00 lakhs	-	3.2 lakhs
	Students opted for Higher studies	-		1

Accreditation Status of the course	Accredited by NBA
Doctoral Courses	PhD( <i>Recognized as a Research Centre by Anna University, Chennai</i> )
Foreign collaborations, if any	-----
Professional Society Memberships	ISTE , ACM , CSI , IEEE, IAENG
Professional Activities	<p><b><u>FDP/SEMINAR/WORKSHOPS/EVENTS ORGANIZED:</u></b></p> <ol style="list-style-type: none"> <li>1. Dr. R. Anitha, Prof. &amp; Head, Dr. C. Muralidharan and Dr. P. Vinothiyalakshmi, Assistant Professors have organized a Two day workshop on “IoT and Cloud” from 15/07/2021 to 16/07/2021.</li> <li>2. Dr. R. Anitha, Prof. &amp; Head, Ms. T Padmavathy has organized a Webinar on “Patenting your Innovations” at SVCE on 4/10/2021.</li> <li>3. Dr. R. Anitha, Prof. &amp; Head, Webinar on “Journey of a DevelopHER” conducted on 11.01.2022 under ACM-W SVCE chapter.</li> <li>4. Ms.S.U.Muthunagai, Ms.S.Poorani, Ms.R.Iyswarya, Assistant Professor organized “Top Trending Languages for Web Developers “, from 03/02/2022 to 04/02/2022.</li> <li>5. Dr. B. Praveen Kumar Associate Professor, Ms. S. U. Muthunagai, Assistant Professor &amp; Ms. M. S. Girija, Assistant Professor organized “Webinar on Cyber Security”, on 21/02/2022.</li> <li>6. Dr.R.Anitha Professor and HoD/CS, Dr. N. Rajganesh, Associate Professor organized “Webinar on .NET Programming” on 07.08.2021.</li> <li>7. Dr.R.Anitha Professor and HoD/CS, Dr. N. Rajganesh, Associate Professor, Mrs.D. Vinodha, AP, Mrs. V. Radha, AP, Mrs. T. Padmavathy organized a FDP on Insight into Emerging Research Areas - Concepts, Challenges and Opportunities 02/03/2022 to 07/03/2022.</li> <li>8. Workshop on “Emerging Technologies and Tech Trends”, by Dr.P.Geetha, Dr.N.Rajganesh, Dr.T.Rajasekaran, Dr. P.Vinothiyalakshmi, Ms.R.K.Kapilavani, Faculty from CSE, SVCE, from 21/2/2022 to</li> </ol>

		25/2/2022.
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	<p><b><u>PATENTS FILED:</u></b></p> <p>5. Dr P Geetha, Ms R K Kapilavani published patent (Application No. 202241020381) titled “Real Time Agriculture Field Monitoring using IoT” on 15.4.2022 .</p> <p>6. Dr.B. Praveen Kumar, Dr T Rajasekaran, Mr. M. Suresh Kumar, Mr K Kumanan, Mr. P. Selvamani, Mrs. S.U. Muthunagai, Mrs. R. Iyswarya, Mrs. S. Poorani, Mr C S Sanoj, published patent (Application No. 202241005021) titled “A Wireless Mobile Device Motion Capture Data Mining System And Method Thereof.” on 04.2.2022</p> <p>7. Ms.T.Padmavathy, Ms. S. Janani, published patent (Application No. 202241040139) titled “IoT-driven AI Inference System for Home Energy Management System in Smart Cities” on 22.7.2022</p> <p>8. Mr. P R Venkat, Dr. D. Vinodha, Ms. T Padmavathy published patent (Application No. 202241047867) titled “A Low cost and High Actuation Speed 3D Printed Prosthetic Arm” on 02.09.2022</p> <p>5. Mr. M. Suresh Kumar, published patent (Application No. 202141055031) titled “An Intelligent Technology To Mitigate Two-Wheeler Accidents” on 10.12.2021</p>
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Consultancy Activity	<p><b>Name of the Organization:</b> Cameo Corporate Services Limited</p> <p><b>Year of Signing:</b> 2020</p> <p><b>Duration:</b> 24 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha</p> <p><b>Faculty coordinator:</b> Dr. T. Padmavathy</p> <p><b>Title of the project:</b> RPA to extract the information from Cheque Truncation System</p> <p><b>Nature of MoU:</b> Software Development on Robotic Process Automation (RPA) / Consultancy Work</p> <p><b>Amount (in Rs.):</b> 2,50000</p>
	<p><b>Name of the Organization:</b> ICT Academy-Palo Alto Networks</p> <p><b>Year of Signing:</b> 2021</p> <p><b>Duration:</b> 12 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha, Mr. R. Senthilkumar</p> <p><b>Nature of MoU:</b> Cybersecurity Courses</p>
	<p><b>Name of the Organization:</b> ICT Academy-AWS Educate</p> <p><b>Year of Signing:</b> 2021</p> <p><b>Duration:</b> 12 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha, Mr. R. Senthilkumar</p> <p><b>Nature of MoU:</b> Teaching and learning resources / Cloud computing Resources</p>
	<p><b>Name of the Organization:</b> M/s TICVIC Technologies Private Limited</p> <p><b>Year of Signing:</b> 2021</p> <p><b>Duration:</b> 36 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha, Ms.T.Padmavathy</p> <p><b>Nature of MoU:</b> Student Internships, Consultancy work and Certification Course – Hackathon was conducted and the Students are pursuing internship</p>

		<p><b>Name of the Organization:</b> M/s. SM Enterprises India Pvt. Ltd.</p> <p><b>Title of the project:</b> Police Training College Software-Module II</p> <p><b>Year of Signing:</b> 2021</p> <p><b>Duration:</b> 36 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha, Ms. S. U. Muthunagai</p> <p><b>Nature of MoU:</b> Students Projects / In plant training / Internship to students / Joint Program for Workshop/ Technical Seminar/ Webinar and STTP</p>
		<p><b>Name of the Organization:</b> M/s.Virtusa</p> <p><b>Year of Signing:</b> 2021</p> <p><b>Duration:</b> 36 months</p> <p><b>Faculty In-charge:</b> Dr. R. Anitha, Dr.P.Geetha in association with SVCE Placement Cell signed MoU.</p> <p><b>Nature of MoU:</b> Industry oriented course will be offered in MS Azure.</p>

Grants Fetched	<p><b><u>ONGOING EXTERNAL FUNDED PROJECTS:</u></b></p> <p><b><u>AICTE-MODROB</u></b></p> <p><b>Title:</b> Intelligence Computing for Big Data Analytics using Machine Learning &amp; Deep Learning Methods</p> <p><b>Amount:</b> INR 11 lakhs Duration: 2 years</p> <p><b>Agency:</b> All India Council for Technical Education MODROB Principal</p> <p><b>Investigator:</b> Dr R.Anitha,Professor and Head/CSE</p> <p><b><u>AICTE-RPS:</u></b></p> <p><b>Title:</b> Developing a Language Translation Engine for Book Conversion from Foreign to Native Language in the field of Science and Technology based on Cloud Virtual Dictionary using Deep Neural Network</p> <p><b>Amount:</b> INR 9.73 lakhs</p> <p><b>Duration:</b> April 2019-April 2022 [3 years]</p> <p><b>Agency:</b> All India Council for Technical Education</p> <p><b>Principal Investigator:</b> Dr R.Anitha,Professor and Head/CSE</p>
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	<p><b><u>Intramural PG Funded Project:</u></b></p> <p><b>Title:</b> “Landmark Recognition Using Transfer Learning”</p> <p><b>Amount:</b> INR 10,000</p> <p><b>Duration:</b> 1 year</p> <p><b>Status:</b> Completed</p> <p>Name of the Student: <b>Ms. Tenkayala Vasundhara, II M.E. (CS)</b></p> <p><b>Principal Investigator:</b> Dr.R.Jayabhaduri Asso.Prof/CSE</p>
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### **RECOGNIZED SUPERVISORS**

<b>S.No</b>	<b>Name of the Supervisor</b>	<b>Supervisor ID</b>	<b>Faculty Department</b>
1	Dr.R.Anitha	2640022	Faculty of Information and Communication Engineering
2	Dr.J.M.Gnanasekar	2740133	Faculty of Information and Communication Engineering
3	Dr.C.Jayakumar	8740113	Faculty of Information and Communication Engineering
4	Dr.N.Rajeswari	3540015	Faculty of Information and Communication Engineering
5	Dr.Rajganesh Nagarajan	3340056	Faculty of Information and Communication Engineering

### **BOOKS CHAPTERS PUBLISHED**

1. C. Muralidharan, Y.Mohamed Sirajudeen & R. Anitha , ‘Synergy of Internet of Things with Cloud, Artificial Intelligence and Block chain for Empowering Autonomous Vehicles’, “Deep Learning and Big Data for Intelligent Transportation, Springer, Studies in Computational Intelligence 945, [https://doi.org/10.1007/978-3-030-65661-4\\_11](https://doi.org/10.1007/978-3-030-65661-4_11), Nov 2021

2. T.Padmavathy , C.Muralidharan, Y.Mohamed Sirajudeen & R. Anitha ,  
'Cloud based Industrial IoT Infrastructure to facilitate Efficient Data Analytics', "Cloud Analytics for Industry 4.0 : Issues, Challenges and Applications", SCA 2022.
3. Rupa Kesavan, Poorani S, Iyswarya R, Muthunagai S U, Anitha R,  
"Convergence-Perceptual Model for Computing Time-series-Data on Fog-Environment",ICRTAC – CVMIP 2021:Springer LNCES : March2022.
4. P Vinothiyalakshmi, C Muralidharan, Y Mohamed Sirajudeen, R Anitha,  
"Digitized Land Registration Using Blockchain Technology", Blockchain Technology- CRC Press, Feb. 2022. (ISBN - 9781003138082)
5. Gnanasekar J M "Light Fidelity (Li-Fi) Technology: The Future Man-Machine-Machine Interaction Medium", the book titled Human Communication Technology Internet-of-Robotic-Things and Ubiquitous Computing, published by Scrivener Publishing LLC, pp. 91-112
6. Dr. P. Janarathanan "An Approach to Ensure High-Availability Deployment of IoT Devices", Springer, Pp. 75-89.
8. Dr N.M. Balamurugan, Dr N. Revathi , Ms R. Gayathri, "Road Network Energy Optimization Using IoT and Deep Learning", Hybrid Intelligent Optimization Approaches for Smart Energy" WILEY, , ISBN: 978111982124, Book Chapter 7, 2022

#### **PAPER PUBLICATIONS IN JOURNALS**

1. L Shyamala, Anitha, Adaptive Rank Based Scheduling in an Institutional Cloud Oriented Distributed Datacenters, International Journal of Civil Engineering and Technology, Vol. 9, No. 7, pp. 1241-1248, ISSN Print: 0976-6308 and ISSN Online: 0976-6316 Scopus indexed
2. Padmavathy, T, Anitha, R 2022, 'An Efficient Virtual Machine Allocation using Single Stage Weapon Target Assignment Model in Cloud Software Defined Network Environment', International Journal of Communication Systems, Vol.35, No.6, doi:10.1002/dac.5086 (Impact factor =2.047)
3. Padmavathy T, Anitha R 2021, ' A Monitoring tool to detect Kernel Malware in Virtual Machines', International Research Journal of

	<p>Modernization in Engineering Technology and Science (IRJMATS), Vol. 3, No. 11, pp. 715-719.</p> <p>4. S. U. Muthunagai, R. Anitha, 2022 “TDOPS: Time Series based Deduplication and Optimal Data Placement Strategy for IIoT in Cloud Environment”, Journal of Intelligent and Fuzzy Systems, 2022. (Impact Factor: 1.739)</p> <p>5. Muralidharan C, Anitha R. “Trusted Cloud Broker For Estimating The Reputation Of Cloud Providers In Federated Cloud Environment”, Concurrency Computation Practices Experience. Vol. 34, No.1, 2022 <a href="https://doi.org/10.1002/cpe.6537">https://doi.org/10.1002/cpe.6537</a> (Impact factor: 1.536)</p> <p>6. Mohamed Sirajudeen and Anitha R, ‘Low Latency Fog Centric Deduplication Approach to Reduce IoT Healthcare Data Redundancy, Wireless Personal Communications, <a href="https://doi.org/10.1007/s11277-022-09752-5">https://doi.org/10.1007/s11277-022-09752-5</a>, (Impact Factor 1.67)</p> <p>7. P. Vinothiyalakshmi, R. Anitha 2021, “Enhanced Multi-attribute Combinative Double Auction (EMCDA) for Resource Allocation in Cloud Computing”, Wireless Personal Communications, DOI: 10.1007/s11277-021-09113-8 (Impact Factor – 1.67)</p> <p>8. C. Muralidharan, R. Anitha (2022), EDSAC–An Efficient Dempster Shafer Algorithm for Classification to Estimate the Service, Security and Privacy Risks with the Service Providers, Wireless Personal Communications, pp. 3649–3669, <a href="https://doi.org/10.1007/s11277-021-09105-8">https://doi.org/10.1007/s11277-021-09105-8</a></p> <p>9. Kannaki A and Gnanasekar J M (2021), “Multi-level SLA violation-based resource allocation in cloud using kernel fuzzy C means with aid of EABC”, International Journal of Business Information Systems 37 (3), pp. 376-399.</p> <p>10. Rajganes N Nagarajan, Thirunavukarasu, R, ‘A neuro-fuzzy based healthcare framework for disease analysis and prediction’, Multimedia Tools and Applications, Springer, 2022. (Impact Factor: 2.757 / 2.577) (SCI Indexed)</p>
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	<p>11. P. Vinothiyalakshmi, R. Anitha 2021, "Enhanced Multi-attribute Combinative Double Auction (EMCDA) for Resource Allocation in Cloud Computing", Wireless Personal Communications, (Impact Factor – 1.67)</p> <p>12. S Rajalakshmi, KR Santha, 2022, "Hybrid Recommender System Using Systolic Tree for Pattern Mining", Computer Systems Science and Engineering, ISSN 0267 – 6192 (Print), DOI:10.32604/csse.2023.024036. Impact factor – 1.486.(Annexure II)</p> <p>13. M. Suresh Kumar and G. A. Sathish Kumar, "Efficient hybrid energy optimization method in location aware unmanned wsn," Intelligent Automation &amp; Soft Computing, vol. 35, no.1, pp. 705–725, 2023. doi:10.32604/iasc.2023.027545. ISSN: 2326-005X (online) (Annexure-I) (Impact Factor: 1.647).</p> <p>14. Maithili, K &amp; Govindharaju, Karthi &amp; Thinakaran, K &amp; Sureshkumar, M &amp; Sathya, S. (2022). Design Engineering, " Efficient Network Resource Allocation Technique for Dynamic IoT Environment using Reinforcement Learning and CAT Optimization", issue7, PP 11799-11815.</p> <p>15. Rupa Kesavan,etal., A Case Study on Renewable Energy Sources, Power Demand, and Policies in the States of South India Development of a Thermoelectric Model, <a href="https://www.mdpi.com/2071-1050/14/14/8882">https://www.mdpi.com/2071-1050/14/14/8882</a> , Impact factor (3.251).</p> <p>16. Rupa Kesavan etal.,, "A Cost Effective Agriculture System based on IoTusing Sustainable Energy," 2022 pp. 546-549, doi: 10.1109/ICOEI53556.2022.9776726 <a href="https://ieeexplore.ieee.org/abstract/document/9776726">https://ieeexplore.ieee.org/abstract/document/9776726</a></p> <p>17. Rupa Kesavan etal,"Design of Thirteen Level Inverter suitable for Solar Farms,"2022 International Conference on Computer Communication and Informatics (ICCCI), 2022, pp. 1-5, doi: 10.1109/ICCCI54379.2022.9741026, <a href="https://ieeexplore.ieee.org/document/9741026">https://ieeexplore.ieee.org/document/9741026</a>.</p> <p>18. D.Vinodha, E.A.Mary Anita, "Discrete Integrity Assuring Slice-Based</p>
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	<p>Secured Data Aggregation Scheme for Wireless Sensor Network (DIASSDAS)", Wireless Communications and Mobile Computing, vol. (2021), Article ID 8824220, <a href="https://doi.org/10.1155/2021/8824220">https://doi.org/10.1155/2021/8824220</a>, ISSN: 1530-8669.(Scopus,Web of Science,Science Citation Index Expanded (SciSearch) indexed) (Impact Factor: 2.336)</p> <p>19. R.K. Kapila Vani, Jayashree Padmanabhan , "Assessment of mental workload using XGBoost classifier from optimized EEG features ", Published inInternational Journal of Engineering Systems Modelling and Simulation Jan 2022.(Scopus, ESCI indexed).</p> <p><b><u>PUBLICATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES:</u></b></p> <ol style="list-style-type: none"> <li>1. Ramanathan K, Ramanarayanan S, Ramprasad J, S.U.Muthunagai, R.Anitha, "Solving a SUDOKU puzzle by integrating deep learning and backtracking algorithm", International Journal of Multidisciplinary Educational Research, Vol.10, Issue 6(3), June 2021</li> <li>2. Iyswarya R., Muthunagai S.U., Poorani S. and Anitha R, KDC Authentication for Secured Communication using Four-Way Handshake Protocol, International Journal of Computer Applications Vol. 174, No. 30, pp. 8-12, April 2021.</li> <li>3. Rupa Kesavan, Poorani S, Iyswarya R, Muthunagai S.U, Anitha R, Vijayaraja L , "Convergence-Perceptual Model for Computing Time-series-Data on Fog-Environment", ICRTAC – CVMIP, November 2021, VIT - Vellore.</li> <li>4. Ms.Rupa Kesavan and Anitha R, "Fog-Computing: A Novel Approach For Cloud-based devices Using Perceptual Cloning Manifestation-PERCOLNIF Taxonomy by Energy Optimization", Energy Conservation Solutions for Fog-Edge Computing Paradigm ,eBook ISBN, DOI: 10.1007/978-981-16-3448-2978-981-16-3448-2. Sep2021, ISBN 978-981-16-3450-5.</li> <li>5. N. Deepika and Dr. J. M. Gnanasekar, "Intelligent Tool for Persons with Visual Impairments: An Overview," 2022 8th International Conference on Smart Structures and Systems (ICSSS), 2022, pp. 1-5, doi: 10.1109/ICSSS54381.2022.9782199.</li> <li>6. R. Vijayalakshmi and Dr. J. M. Gnanasekar, "A Review on Character Recognition and Information Retrieval from Ancient Inscriptions," 2022</li> </ol>
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	<p>8th International Conference on Smart Structures and Systems (ICSSS), 2022, pp. 1-7, doi:10.1109/ICSSS54381.2022.9782241.</p> <p>7. Dr P. Janarathanan, “Machine Learning approach for Crop Selection using Rainfall”, in International E-Conference on Machine Learning and Cyber Security in Industry 4.0 MLCSI-21 on 20-21 October 2021, S A Engineering College.</p> <p>8. Dr P. Janarathanan, “An Integration of Natural Language Processing and Machine Learning Techniques for Multi-Class Bank Document Classification”, in International E-Conference on Machine Learning and Cyber Security in Industry 4.0 MLCSI-21 on 20-21 October 2021, S A Engineering College.</p> <p>9. Tenkayala Vasundhara and R.Jayabhaduri, “Landmark Recognition Using Transfer Learning”, International Conference on Advanced Communication Control &amp; Computing Technology (ICACCCT-2022), 28-30 June 2022, SIMATS School of Engineering, Chennai</p> <p><b><u>FACULTY MEMBERS COMPLETED ONLINE COURSES:</u></b></p> <p>1. Dr. T. Padmavathy has completed a course “Analyze Website Visitors with Google Analytics Segments” offered by coursera.</p> <p>2. Ms. S. Rajalakshmi has completed a course on “Online certification program on Advanced Excel” offered by SVCE.</p> <p>3. Ms. J. Buvana has completed a course on “BlockChain Basics” offered by coursera.</p> <p>4. Ms. J. Buvana has completed a course on “Introduction to Graphics Design with Photoshop” offered by Great Learning Academy.</p> <p>5. Ms. J. Buvana has completed a course on “Cryptography and Network Security” offered by NPTEL.</p> <p>6. Ms. J. Buvana has completed a course on “Blockchain Basics” offered by Great Learning.</p> <p>7. Ms. J. Buvana has completed a course on Blockchain and its Application offered by NPTEL.</p> <p>8. Dr. B. Praveen Kumar has completed a course on AWS Cloud Technical Cloud Essentials offered by coursera.</p> <p>9. Ms. R. Iyswarya has completed a course on AWS Cloud Technical Cloud Essentials offered by coursera.</p>
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	<p>10. Ms. R. Khanaghavalle has completed a course on MongoDB Basics offered by MongoDB University.</p> <p>11. Ms. R. Khanaghavalle has completed a course on “Orientation towards Technical Education &amp; Curriculum Aspects offered by NITTT.</p> <p>12. Ms. R. Khanaghavalle has completed a course on “Technology Enabled Learning and Lifelong Self learning” offered by NITTT.</p> <p>13. Ms. R. Khanaghavalle has completed a course on “Instructional Planning and Delivery” offered by NITTT.</p> <p>14. Ms. R. Khanaghavalle has completed a course on “ Modern HTML and CSS from the Beginning” offered by UDEMY.</p> <p>15. Ms. V. Radha has completed a course on “ Orientation towards Technical Education &amp; Curriculum Aspects” offered by NITTT.</p> <p>16. Ms. Rupa Kesavan has completed a course on “12 weeks course [1-1/2 FDP] equivalent” offered by NPTEL.</p> <p>17. Dr. P. Geetha has completed a course on “Big Data Computing - 8 weeks course” offered by NPTEL.</p> <p>18. Ms. R. K. Kapilavani has completed a course on “Big Data Computing - 8 weeks course” offered by NPTEL.</p>
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### **LECTURES DELIVERED TO OTHER COLLEGES**

1. Dr.P.Janarthanan, Associate Professor/CSE Acted as a Resource person in the FDP “Applications of Machine Learning Algorithms in Aerospace Engineering topic Unsupervised Learning on 13 July 2022. – Bharath Institute of Higher Education and Research, Selaiyur
2. Ms.Rupakesavan, Asst.Prof/ CSE acted as one of the resource person for FDP conducted by Sri Sairam Institute of Technology on “Research capabilities in FOG and EDGE computing” during 14th February 2022 to 18th February 2022.
3. Ms.Rupakesavan, Asst.Prof/ CSE, acted as one of the resource person for FDP conducted by Sri Sairam Institute of Technology on “ Exploring Augmented Reality/Virtual Reality Using Unity Tool” during 11th July 2022 to 15th July 2022.

### **FACULTY ACHIEVEMENTS**

1. Mr. K. Srinivasan, Acted as AICTE Smart India Hackathon Internal Jury Member on 9th & 10th March, 2022.
2. Ms.G. Janakasudha, Mentored a team for the Manthan Hackathon 2021 Finale from 8/12/2021 to 10/12/2021
3. Ms.J.Buvana, AP/CS, Mentored II Year CS Student the Project titled “PocketDoc” and won second prize in SRISHTI 2022 held at Saintgits College of Engineering(Autonomous), Kottayam on 25 & 26 April 2022.
4. Ms.J.Buvana, AP/CS, Mentored the Research Work entitled “Shelter Safety” and won second prize in SVCE INNOVATES 2022-Student Research Day on 08th April, 2022 in SVCE.
5. Ms. S. Poorani, Acted as one of the Jury member for a paper presentation contest, organized by IETE chennai centre on September 14, 2021
6. Ms. S. Poorani, Acted as an Evaluator for the Smart India Hackathon 2022 for the Digital Edition of the Problem Statements organized by MOE-AICTE.-New Delhi.
7. Mr.P.Selvamani AP/CSE, received Central Government Certification:

	<p>MoE-IIC For IIC 3.0 Calendar 2021-2022 Year has successfully completed Innovation Ambassador Training(Foundation Level) conducted by MoE's Innovation Cell &amp; AICTE, New Delhi. Certificate No : 7140</p> <p>8. Mr.P.Selvamani AP/CSE acted as a Session Speaker for Two Day Workshop on "Problem Solving and Ideation" Organized by Institution's Innovation Council (IC201810371-IIC-SVCE),Sri Venkateswara College of Engineering held on 28-12-2021.</p> <p>9. Mr.P.Selvamani AP/CSE acted as a Session Speaker for Two Day Workshop on "Pitching Event for Ideas Scouted and Mentorship Support" Organized by Institution's Innovation Council (IC201810371- IIC-SVCE),Sri Venkateswara College of Engineering held on 30-12-2021.</p> <p>10. Dr. B. Praveen Kumar ASP/CS, Mr. K. Srinivasan AP/CS, Mrs. G. Janakasudha AP/CS, and Mr. M. Suresh Kumar AP/CS have acted as jury members for 36 Hours Internal Hackathon for SIH 2022 during 9th &amp; 10th March 2022.</p> <p>11. Ms. J. Buvana,AP/CS mentored the Research Work entitled "Shelter Safety" and won second prize in SVCE INNOVATES 2022 -Student Research Day on 08th April 2022 in SVCE.</p> <p>12. Ms. J. Buvana,AP/CS mentored II Year CS Student the Project titled "PocketDoc" and won second prize in SRISHTI 2022 held at Saintgits College of Engineering(Autonomous), Kottayam on 25 &amp; 26 April 2022.</p> <p>13. Dr.T.Padmavathy, AP/CS acted as a jury member in the Hackathon conducted by KNOW-I Club on 7.06.2022 and 8.6.2022.</p>
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Distinguished Alumni	SL.No	Distinguished Alumini	SL.No	Distinguished Alumini
	1.	Dr. V.Kamakoti Director - IIT MADRAS Batch: 1985 – 1989	2.	Mr. Anand Daniel Seed/Early stage investor with Accel Partners Batch: 1992 – 1996
	3.	Dr Srinivasa Rajagopalan Associate Professor Mayo Clinic College, USA. Batch: 1985 – 1989	4.	Mr. Murari Sridharan CTO – Bank Bazaar Batch: 1993 – 1997
	5.	Mr. Balamurali Shankar Vice President,Insurance Infrastructure Practice Batch: 1986 - 1990	6.	Dr. Shankar Balachandran Visiting Professor –IIT Bombay Batch: 1994 – 1998
	7.	Mr. M. J. Shankar Raman Counsulting & Advisory – unotech Senior Advisor & Principal Scientist, IITM. Batch: 1986 – 1990	8.	Dr.Vijay Srinivas Agneeswaran Senior Director of Technology – SapientRazorFish Batch: 1994 – 1998
	9.	Mr. Lawrence F Senior Vice President,Mphasis BFL Ltd Batch: 1986 – 1990	10.	Mr. Ravikiran Durbha Data Solutions Architect – Dude Solutions , North Carolina Batch: 1995 – 1999

11.	Mr. T.M Karthik Member of Evam Group Co-Founder at Sideways Training Batch:1987-1991	12.	Mr. Sathish Gopalakrishnan Director, Master of Software Systems Program. The University of British Columbia Vancouver, Canada. Batch:1995 – 1999
	13.		Mr. Eliyas Yakub Senior Director of Engineering – Microsoft Batch:1988 – 1992
	14.		Mr. Thanveer H Director, Applications Delivery – Keste Batch: 1997 – 2001
	15.		Dr.Vijay Krishnan Narayan Batch:1989 – 1993
	16.		Mr.Sai Pradeep @ Aadhi Pinisetty Actor Batch: 2000 – 2004
17.	Mr. Malolan Chetlur Master Inventor, Researcher – IBM Batch: 1990 - 1994	18.	Mr.Krishnamurti G Business Planning Manager at Standard Chartered Bank United Arab Emirates  Batch: 2001 – 2005
	19.		Mr. Herschal Trivedi Managing Principal Batch: 1991 – 1995
	20.		Mr. Thuriya Rajkumar Senior Manager – Apple, San Francisco Batch: 2002 – 2006

Alumini Activities	<p>1. Mr. Sashank Kalyan (CSE 2018 Batch), Analytics Manager, Mad Street Den, Chennai acted as resource person and delivered a lecture on Analytics in Retail /E-Commerce for the Five Day Workshop on Emerging Technologies held on 25th Feb - 1st March, 2022.</p> <p>2. Mr. B. Nirmala (M.E. - CSE 2017 Batch), Asst. Professor, SRIHER, Chennai, acted as resource person and delivered a lecture on Data Visualization - Tableau for the Five Day Workshop on Emerging Technologies held on 25th Feb - 1st March, 2022.</p> <p>3. Mr. Siddarth Kannan, Full Stack Developer, USA Mr. Sudarshan Krishnamurthy, Cybersecurity Analyst Network Intelligence, Mumbai, India (CSE 2018 Batch), acted as a resource person and delivered a lecture on Cybersecurity - Web Application Security for the Five Day Workshop on Emerging Technologies held on 25th Feb - 1st March, 2022.</p> <p>4. Mr. Mohamed Sirajudeen (CSE-PG - Batch 2015) , AP/VCE, Hyderabad delivered the session on Patenting your Innovation on 4th October 2021.</p> <p>5. Mr. Tirumala Babu (CSE 2021 Batch), Software Engineer , Tiger Analytics, Chennai, Mr. Rasswanth, Software Engineer (CSE 2021 Batch), PropertyLoop, London , delivered a webinar on “An Insight About Developer Jobs” organized by C2C Club at 4.30 PM on 29/01/2022.</p> <p>6. Mr. Abishaik Mohan (CSE 2019 Batch), Software Engineer, Extreme Networks, Chennai, acted as chief guest to launch A peer mentoring initiative and delivered a special talk on “career guidance on “Recent Trends in Computing” held during 22/01/2022.</p> <p>7. Mr. Rahul Kalyan Jakka(CSE 2021 Batch), Graduate Student, Purdue University, delivered a webinar on "How to Read a Research Paper organized by the Know-I Club at 6.00 PM on 12/01/2022 .</p> <p>8. Mr Tarun Chinmai (CSE 2016 Batch), Senior Software Engineer, Akamai Technologies, USA, inaugurated Cyber Hub and delivered a talk on “Practical Cryptography”, organized by the Cyber Hub Club on 23/12/2021.</p> <p>9. Mr. G. Sai Subramaniam (CSE 2015 Batch), Research Engineer at Institute of Infocomm Research, Singapore, inaugurated Association of Computer Engineers and delivered a webinar on “It’s a data driven</p>
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	<p>world”, organized by the Association of Computer Engineers on 05-12-2021.</p> <p>10. Dr. K. S. Gayathri (M.E.-CSE 2009 Batch), Assistant Professor, Department of Information Technology, SSN College of Engineering, delivered a Webinar on Applications of AI in the design of Self Driving Cars on 7-10-2021.</p> <p>11. Mr. G. K. Mahesh, (2020-Batch), Chief Technical Officer at Lecaso, Vice President of Engineering at Falcon 3D Robotic and Embedded Software Engineer at Motherson Medical, acted as resource person for the webinar on Lean Start-up and Minimum Viable Product / Business Mentoring Session on 20-07-2021, 10:00 - 11:00 am through Google Meet.</p> <p>12. Mr. Praneeth Avapatti (CSE 2019 Batch), threat researcher at MindTree delivered a webinar on Cyber Security on 22/02/2022 organized by Know-i club.</p>
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## ANNEXURE - II

1	Name of the Department	Electronics and Communication Engineering			
	Course	M.E - Communication Systems			
	Level	Post Graduate			
	1 <sup>st</sup> year of approval by the Council	2002			
		2020-21	2021-22	2022-23	
	Year wise sanctioned intake	25	12	6	
	Year wise actual admission	0	2	0	
	Cut off marks – General quota	NA	NA	NA	
	% Students passed with First Class with distinction	NA	NA	50%	
	% Students passed with First Class	NA	NA	Nil	
	Students placed	NA	NA	Nil	
	Average Pay package, Rs/year	NA	NA	Nil	
	Students opted for Higher studies	NA	NA	Nil	
	Accreditation Status of the course	Not accredited			
	Doctoral Courses	Yes. Recognized research Centre by Anna University, Chennai			

Foreign collaborations, if any	Nil
Professional Society Memberships	All faculty members have at least one lifetime membership in ISTE, IETE, IEEE, CSI and have also become members in ISCS, IAENG, ISRD.
Professional Activities (Last three Academic years 2020-21; 2021-22; 2022-23)	<p>No. of Workshops/Conference/webinar conducted:</p> <p>2022-23: 30</p> <p>2021-22: 31</p> <p>2020-21: 64</p>
Grants fetched (Last three Academic years 2020-21; 2021-22; 2022-23)	<p>Research grants:</p> <p>2022-23: 1</p> <p>2021-22: 1</p> <p>2020-21: 2</p>
Departmental achievements  (Last three Academic years, 2020-21; 2021-22; 2022-23)	<p>Research publications:</p> <p>Faculty members published around 150 research papers through various peer reviewed international journals (IJ) / conferences (IC).</p> <p>2022-23: 31 (IJ) + 14 (IC) = 45</p> <p>2021-22: 39 (IJ) + 2 (IC) = 41</p> <p>2020-21: 34 (IJ) + 30 (IC) = 64</p> <p>The department has been recognized as a Research Centre by Anna University with effect from May 2009 for pursuing Ph.D and renewed till Dec-2023.</p> <p>Patent Published:</p> <p>2021-2022: 3 Indian patent (3 published) and 1 International patent (1 granted)</p> <p>2020-21: 2 Indian patent (2 published)</p> <p>2022-23: 6 Indian patent (3 published + 3 granted) and 2 International patent (2 granted)</p> <p>MoU:</p> <p>13 number of MoUs were signed with Industries for mutual benefits.</p> <p>Consultancy:</p> <p>Department carries out consultancy work to industries and institutions in the field of PCB design using PCB Prototyping machine - ETS-PCBMATE and RF measurements using Network Analyzer - ENA E5062.</p>

	Distinguished Alumni	1.Dr.D.Vydeki,Associate Professor,VIT Chennai 2.Mr.Bala bharathi D,Software systems architect,Imagine marketing India Pvt
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## ANNEXURE - II

1	Name of the Department	Electrical and Electronics Engineering		
	Course	<b>M.E, POWER ELECTRONICS AND DRIVES</b>		
	Level	<b>PG</b>		
	1 <sup>st</sup> year of approval by the Council	2002		
		2022-2023	2021-2022	2020-2021
	Year wise sanctioned intake	6	18	25
	Year wise actual admission	-	-	-
	Cut off marks – General quota	-	-	38
	% Students passed with First Class with distinction	-	-	100
	% Students passed with First Class	-	-	-
	Students placed	-	-	3
	Average Pay package, Rs/year	-	--	4.8Lakhs
	Students opted for Higher studies	-	--	1
	Accreditation Status of the course	Not Accredited		
	Doctoral Courses	Yes. Recognized research centre by Anna University, Chennai		
	Foreign	1. Mr.Peter Lee, Midas Systems (P) Ltd, Korea, Workshop on IC Fabrication, Nov 7th		

collaborations, if any	<p>to 9th, 2021.</p> <ol style="list-style-type: none"> <li>Mr. Prem Kumar, Hydrotek Automation, Kuwait, delivered a lecture in two days workshop on “Recent Technologies in Electric Vehicle and Smart Grid” on 30.5.2022.</li> <li>Dr.Jaideep Chandran,School of software and Electrical Engineering, Swinburne University of Technology,Australia</li> <li>Dr.R.Jayashree ,New Southwales University , Australia as a member of team of delegates from Australia to promote higher education opportunities in Australia.</li> </ol>
Professional Society Memberships	All faculty members have atleast one life time membership in ISTE, IEEE, CSI,ISTD, Institution of Engineers, MMA .
Professional Activities	<ul style="list-style-type: none"> <li>The inauguration of Association of Electrical and Electronics Engineers (AEEE) for the AY 2022-2023 was held on 19 th Sep 2022.Mrs.KamatchiNadan, Founder and Managing Director, SEN Electrical Design Systems, Chennai, was the chief guest of the event.</li> <li>The guest lecture on “Battery Energy Storage systems (Grid-scale)” was held on 20<sup>th</sup> October, 2022 .The guest speaker, Mr.R.Annamalai, Deputy General Manager (O&amp;M), NTPC Limited, Karnataka presented his guest lecture by explaining need for grid-scale energy storage technologies to optimize extraction of renewable energy</li> <li>The Department of Electrical and Electronics Engineering in association with M/S Festo India Pvt. Ltd.organised an Exhibition on Wheel -"The Expotainer"on 10<sup>th</sup> October 2022.</li> <li>The guest lecture on the topic ‘Power Transformer Operation and Conditional Assessment’ was presented by Mr.M.Babu, Director - Operations, Voltech Manufacturing Company Limited, Chennai on 09/02/2023.</li> <li>The National Level Championship and Workshop series of Matlab on the topic “Matlab with Robotics” was organised in association with ‘elan&amp;nvision’, Indian Institute of Technology, Hyderabad and ‘Techradiance’ with Sri Venkateswara College of Engineering, Sriperumbudur as Nodal Center during 16<sup>th</sup> to 17<sup>th</sup> February 2023</li> <li>PULSE’23 is a National Level Technical Symposium organized by the Department ofElectrical and Electronics Engineering, Sri Venkateswara College of Engineering. Thesymposium was conducted on 31 st March 2023 that featured ten technical events</li> </ul> <ul style="list-style-type: none"> <li>Inauguration (AY 2021-2022) of the “Association of Electrical and Electronics Engineers (AEEE)” on 17/09/2021 by Mr.S.Nandhakumar, Deputy General Managaer,Power Grid Corporation of India</li> <li>A guest lecture on the topic “Wind - technology, trends &amp; opportunities” was presented by Ms.Swarna Priya Natarajan , Lead Engineer at Vestas Technology R &amp; D on 22/11/2021.</li> <li>A guest lecture on the topic “Project Management in Power Transmission and Distribution” was presented by Mr.Adithya Sreenivasan Nagarajan, Assistant Vice President, Analytics and Insights, Accenture on 24/11/2021.</li> <li>3-days "Sensor Guided Robotics - Hands-on Training" program on 18/03/2022 to 21/3/2022</li> <li>Guest lecture on the topic “Robots and Autonomous Mobile Robots Applications in Industries”on 21/03/2022 by Mr.B.Saravanan, BrixEn HiTech Pvt. Ltd.,Chennai.</li> <li>A guest lecture on the topic "Clean Coal Technologies for Sustained Power Generation" on 10/05/2022 by Mr.R.Krishnakumar, Deputy Executive Engineer, NLC India Limited.</li> <li>FDTP on “MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems” from 20/1/2022 to 25/1/2022 by Dr.Ravindar Reddy CH Engineer Technical Support- MathWorks,DesignTech Systems Pvt Limited</li> <li>MATLAB DAY – MATLAB and Simulink hands-on session on 11/1/2022 by Mr.Dhiraj Jagtap Mr.D.Rajkumar,Application Engineers,DesignTech System Pvt Ltd</li> </ul>

	<ul style="list-style-type: none"> <li>• The two-day workshop on “Recent Technologies in Electrical Vehicles and Smart Grid” was conducted on 30th and 31st of May, 2022 by Mr.P.S.Prem Kumar,Division Manager-Industrial Automation,Hydrotek Engineering Company,Kuwait.</li> <li>• Dr.Ravindar Reddy CH Engineer Technical Support- MathWorks, DesignTech Systems Pvt Limited handled and delivered expert lectures on advanced MATLAB in the Five days online FDTP on MATLAB for System Design Engineers held online from 7/6/2021 to 11/6/2021</li> <li>• A webinar on the title ‘ACE TECHWRITING’ was presented by Dr.Sudhakar K B, Prof/EEE and Dr.S.G.Bharathidasan ASP/EEE on 07/05/2021</li> <li>• A webinar on the title ‘Idea generation for project implementation’ was presented by Dr.R.Karthikeyan ASP/EEE and Dr.S.Kumaravel AP/EEE on 07/05/2021</li> <li>• A National Level Technical e-Symposium PULSE’21 was organized on 13/05/2021. Dr.KR.Santha Vice Principal, Prof &amp; HOD/EEE presented the inaugural address.</li> <li>• A value added course on ‘VD18603 Modeling and Simulation of Electrical Systems’ was organised online for II year students from 07/04/2021 to 12/04/2021 (5 days).</li> </ul>
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		<ul style="list-style-type: none"> <li>● A National Level Technical Project Exhibit “Bring-it-to-Light” for polytechnic college students was organized on 16/04/2021 coordinated by HoD/ EEE, Dr.C.Gopinath ASP / EEE, Dr.S.Kumaravel AP /EEE, Dr.T.Annamalai AP/EEE, Dr.M.Sankar AP/EEE, Mr.G.Vinoth Kumar AP/EEE, Dr.C.Kamal AP/EEE</li> <li>● A webinar on the title “Women in Start-Ups” by Ms.Vanipriya Jayaraman, Director(Co-Creation) - Exotel was held on 08th March 2021.</li> <li>● A skill development programme for imparting technical skills for placement under the aegis of placement cell of the college was conducted for III yaer students of Option A from 19/4/2021 to 26/5/2021 and all faculty members of the department delivered lectures in it.</li> <li>● An online guest lecture on the topic “Building a Data Center Network” was presented by Mr.VS.Balasubramanian, Senior Analyst, IT Network Development, DELL Technologies based in Massachusetts on 26/09/2020.</li> <li>● An online guest lecture on the topic “Career Guidance and Prospects post B.E., EEE" was presented by Mr.Adithiya Sreenivasan Nagarajan, Senior Manager, KEC international Limited on 03/10/2020 .</li> <li>● An online guest lecture on the topic “Magnificent Industrial Robots to Minuscule low-power Embedded Internet of Things” was presented by Mr.Vijay Karthick Baskar, Embedded System Engineer, Dover Corp on 15/10/2020 (Thursday).</li> </ul>
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	Grants fetched (Last three Academic years)	<b>Completed:</b>			
		<b>Name of the Faculty Member(s)</b>	<b>Funding Agency</b>	<b>Research Topic</b>	<b>Amount (Rs in lakhs)</b>
		Dr.KR.Santha	AICTE- MODROB S	'PLC based Modernization of Electrical Machines'	8.27
					2018-2021

23-22 22-21 and 21-20)	Dr.KR.Santha Dr.C.Gopinath Mr.D.S.Purushothaman	AICTE-ISTE Refresher Programme	SOLAR PV SYSTEM DESIGN USING IoT	3.00	2020-2021
	Dr.KR.Santha Dr.C.Gopinath Ms.S.Arulmozhi Ms.N.Shanmugavadivu Dr.T.Annamalai Mr.D.S.Purushothaman	AICTE-E-Conference	International Conference on Smart Technologies in electric Vehicles and Power Grid	1.66	2020-2021
	Dr KR.Santha Dr S G Bharathidasan Dr M Sankar Dr S.Kumaravel Dr S S Sethuraman Mr S.Thamizmani	AICTE NewDelhi	Short Term Training Programme (STTP) On Electric Vehicle Evolution - Impact On Power Grid.	3.16	2020-2021
	Dr.KR.Santha,	AICTE-MODROBS	‘PLC based Modernization of Electrical Machines’	6.61	2018-2020
	Dr.Sudhakar K.B Ms.S.Anitha	IEI, India	Fabrication of A Broadband photo detector using metal oxides	0.33	2019-2020
	<b>Ongoing :</b>				
	<b>Name of the Faculty Member(s)</b>	<b>Funding Agency</b>	<b>Research Topic</b>	<b>Amount (Rs in lakhs)</b>	<b>Period</b>
	Dr.GaneshVaidyanathan, Dr.K.B.Sudhakar, Dr. NalinkanthGhonde	DST FIST	Inter disciplinary Nano Research Centre	80.00	2019- 2024
	Dr.KR.Santha, Dr.K.B.Sudhakar	AICTE RPS	Micro-fabrication of Monolithic TFT based DC-DC Converter using Low cost RF Sputtering	11	2019 -2022

		Dr.KR.Santha Dr. KB Sudhakar Dr.S.Kumaravel Dr.S.G.Bharathi dasan	Gulf Engineers Ltd.	Electronic Animal deterrent system for Electrical Installation	0.25	2021-2022
		Dr.KR.Santha, Dr.KB.Sudhakar Mr.V.Mohanraj.	Gulf Engineers Ltd.	E-Ticketing and Transport Management System	0.25	2021-2022
		Dr.KB.Sudhakar	Anna University – Ph.D Scholar	Thin film and Microelectronics	0.059	2021-2022
		Dr. R Kannadasan	SERB-EEQ	Multi-Layer Multi-Purpose Smart Waste Management System Using Internet Of Things (Iot)	42	2022-2024
		Mr.S.Sudharsana m	TNSCST	Fabrication of MoS2 based thin film transistor for display applications	0.075	2012-2022
		Mr S Thamizmani, and Dr S G Bharathidasan	Tamilnadu State Council for Science and Technology (TNSCST- STUDENT PROJECT SCHEME)	“Building energy conservati on using electric vehicle” (Project No. : EEE- 1860, S.No. 884).	0.075	2022-23
		Dr.KR.Santha, Dr.Sudhakar K B  Dr.S.G.Bharathid asan  Dr.S.Kumaravel	Gulf Engineerin g	E- Ticketing and Transport Managem ent System  Bird Repellent System	0.50	2022-23
	Departmental	<b>Achievements / Awards Year 2022-2023</b>  The faculty members published papers in indexed journals, in conferences and published patents.  Journal publications: 23  Conference Papers: 14				

Patents : 9

#### Achievement of staff

1. Dr.KR.Santha, Dr.Sudhakar K B, Designed and spearheaded the project E-Ticketing and I-Transport Management System in collaboration with Gulf Engineering (P) Ltd which has been adapted by the transport department of Government of Tamilnadu during March 2022.
2. Mr.Sudharsanam, Mr.M.Ranjith Kumar, Ms.S.Sinthamani, MHRD sponsored Indian Nanoelectronic User programme, IIT Madras. Selected for project execution during April 2022
3. Dr.Sudhakar K B, Innovation Ambassador, MoE on 03.08.2022
4. Dr.KR.Santha, Chief mentor under the Mentor - Mentee program under the aegis of IIC-SVCE and visited a constituent college near Trichy and offered guidance under this program with SVCE as the role model during August 2022.
5. Dr. R. Kannadasan, 2020 Highly cited Research paper award - Elsevier, August 2022
6. Dr.KR.Santha, Dr.Sudhakar Bharatan, Dr.S.G.Bharathidasan, Dr.S.Kumaravel, Prototype development – Electronic Animal Repellent System for M/S Gulf Engineering, Karaikudi during June 2022
7. Dr.KR.Santha and Dr.Sudhakar Bharatan, Prototype development – Electronic ticketing and Transport Management System for M/S Gulf Engineering, Karaikudi during June 2022.
8. Dr R J Venkatesh/AP/EEE, International teacher of the year Award 2022- Global Edu Conclave 2022 International Institute of Organized Research (I2OR), India in association with Centre for Smart Modern Construction - Western Sydney University (Australia) on 25.12.2022
9. Dr R J Venkatesh/AP/EEE, Certificate of appreciation - Mentor for the NPTEL online certification course " Problem Solving through Programming in C" during July- December 2022
10. Dr C Gopinath, Mr D S Purusthothaman, Mentored Students Irfan Abdulla, Ashiq Mohamed Illahi who has secured the First position with a cash prize of Rs. 25,000/- in IcubeHackathon, Students council in association with SVCE Science Club - A national level intercollegiate technical event. on 18.11.2022

#### Faculty Fellowship:

Indian Nanoelectronic User program Idea to Innovation (INUP i2i – IIT Madras) supported by MeitY

- i. Ms.S.Sinthamani, AP/EEE - Fabrication of Thin Film Solar Cell
- ii. Mr.S.Sudharsanam, AP/EEE -Fabrication and Characterization of MoS<sub>2</sub> Thin film transistor for Flexible electronic applications.
- iii. Ms.M.RanjithKumar AP/EEE - “Fabrication of Schottky type photo detector”.

#### Major Activities:

1. Ms.Amudhavalli D ,Assistant professor, Department of EEE,SVCE, defended her thesis titled, “Mathematical Modeling and Implementation of Quadratic Boost Converter For Solar PV System" on 06.04.2022 ( Wednesday) at 02.00pm, through online mode.
2. Dr.C.Kamal , Assistant professor, Department of EEE,SVCE has received research supervisor status from Anna University (Supervisor Number :3930006).
- d, “Fabrication ,Performance and Stability Analysis of the Lead/Bismuth based inverted planar device structured Perovskite solar cells" on 05.05.2022 ( Wednesday) at 11.30AM, through online mode.
4. Dr.S.S.Sethuraman , Associate professor, Department of EEE,SVCE has received research

	<p>Achievements (Last three Academic years 23-22, 22-21 and 21-20)</p>	<p>supervisor status from Anna University (Supervisor Number:3930016 ).</p> <p>5. Mr. C. Venkatesan, AP/EEE, defended his thesis titled, "A Novel Multi-Objective Hybrid Optimization Technique for Optimal Deployment of Distributed Generations and Shunt Capacitors" on 20.05.2022 at 10.20AM, through online mode.</p> <p><b>2021 -2022:</b></p> <p><b>Achievements / Awards</b></p> <p>Total No. of faculty members</p> <ul style="list-style-type: none"> <li>➤ Attended Seminars / FDPs / STTP = 84</li> <li>➤ Attended NPTEL/ COURSERA Courses = 2</li> <li>➤ Delivered Expert Lectures in other colleges = 4</li> <li>➤ Attended Industrial Training = 7</li> </ul> <ul style="list-style-type: none"> <li>● Dr.KR.Santha Vice Principal, Prof &amp; HoD/EEE addressed new members of faculty in the New Faculty Induction Program organized by the college on 22-07-2021</li> <li>● E-Ticketing and I-Transport Management System: The launch of a product conceptualized, designed and implemented by the students and faculty members of SVCE in collaboration with Gulf Engineering (P) Ltd was held on 13.05.2022.The Chief Guest for the event was our Honorable Minister for Transport, Thiru S.S.SIVASANKAR, Government of Tamilnadu, and Thiru. VAZAPADI RAMA SUGANTHAN, Vice-President, Tamilnadu Congress Committee.</li> <li>● Electronic Bird, Squirrel and Reptile Repellent System for Electrical Installation: A new product was successfully designed and developed as a commercial product in collaboration with Gulf Engineering (P) Ltd. The Product launch was held at 28.02.2022 (online mode), Mr.R.Karthikeyan, General Manager, Tamil Nadu Industrial Development Corporation Ltd (TIDCO) presided over the function.</li> <li>● Dr NK Mohanty, Prof/EEE has delivered speech on Yoga For health in the induction programme for first year students</li> <li>● Dr.C.Gopinath,Associate professor acted as Session Chair - International Conference on "Green Materials and Renewable Energy" (ICGMRE), Sri Venkateswara College of Engineering (Autonomous), 11.6.2021</li> <li>● Dr.Sudhakar K B Professor/EEE delivered Expert Lecture on 'Research Methodology' in the Short term training course organized by EmCog Solution</li> </ul>
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		<p>Private Limited on 29th and 30th June 2021.</p> <ul style="list-style-type: none"> <li>• Dr NK Mohanty, Prof/EEE has delivered lecturer on “AC voltage controller and Matrix converter in Velammal Engineering College on 16-09-2021.</li> <li>• Dr.C.Gopinath, ASP/EEE has Delivered Invited talk on "Design Thinking" at New Prince Shri Bhavani College of Engineering and Technology, Chennai on 28th Jan 2022.</li> <li>• Dr.S.S.Sethuraman ASP/EEE and Dr.C.Kamal AP/EE received the Research Supervisor recognition from Anna University.</li> </ul> <p><b>Higher Education (Ph.D.) by Faculty Members</b></p> <ul style="list-style-type: none"> <li>• Dr.Nalin Kant Mohanty’s, (Prof/EEE), three research candidates Mr. G Muralikrishnan, Mr.C.Kannan</li> <li>• Dr.R.Karthikeyan’s (ASP/EEE), research candidate Mr.Naresh.C has successfully completed his Ph.D.</li> <li>• Dr.R.Kannadasan’s (AP/EEE), research candidate Mr.C.Venkatesan has successfully completed his Ph.D.</li> <li>• Mr.M.Pandiyarajan has successfully completed his Ph.D.</li> </ul>
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		<ul style="list-style-type: none"> <li>● Dr. NK Mohanty, has been Certified by Yoga Certification Board, Ministry of Ayush: Level -3 “Yoga Teacher and Evaluator” in January 2021</li> </ul> <p><b>MoUs Signed:</b></p> <ul style="list-style-type: none"> <li>● M/s.Panickker Switchgear P Ltd. Period : 2021-2024</li> <li>● M/S Gulf Engineering (P) Ltd. Period: 2022-2025.</li> <li>● Controlsoft Engineering, Chennai</li> <li>● ISTD ,Indian Society for Training and Development</li> </ul> <p><b>Paper publication in International Journals – 19</b>  <b>Paper presentation in International Conferences – 6</b>  <b>Patent Filed – 3</b></p>
	Distinguished Alumni	<ul style="list-style-type: none"> <li>● Ganesh NAGARAJAN, Director &amp; Country Manager at ePropelled</li> <li>● Karthik Kumaran, Senior Technology Specialist at Coforge</li> <li>● Dr. Vaishnavi Ravi – Assistant Professor, Sri Sivasubramaniya Nadar College of Engineering</li> </ul>

## ANNEXURE - II

1	Name of the Department	<b>Information Technology</b>		
	Course	M.Tech (Cyber Froensics and Information Security)		
	Level	Post Graduate (PG)		
	1 <sup>st</sup> year of approval by the Council	2021		
		2022-2023	2021-2022	2020-2021
	Year wise sanctioned intake	18	18	-
	Year wise actual admission	0	7	-
	Cut off marks – General quota	-	12.17	-
	% Students passed with First Class with distinction	-	3	
	% Students passed with First Class	-	4	
	Students placed	-	5	
	Average Pay package, Rs/year	-	5 L	
	Students opted for Higher studies	-	-	
	Accreditation Status of the course	<ul style="list-style-type: none"> <li>Recognized as a National Resource Centre Of National Cyber Safety And Security Standards</li> <li>Accredited by NAAC</li> </ul>		

	Doctoral Courses	Approved
	Foreign collaborations, if any	MOU with Mastermind Academy
	Professional Society Memberships	27 - ISTE Members 2 - International Computer Science and Engineering Society (ICSSES) Member 2 - IAENG Member 1 - IEEE Member 1 - CSI Member 10 - CSTA Members
	Professional Activities	<ul style="list-style-type: none"> <li>● All 7 students attended ISTE approved Short term training program on Digital Forensics for Cyber Security from 18th June 2022 to 24th June 2022.</li> <li>● Ms.Dhiva Bharathi presented a paper entitled “Smart Attendance System using Deep Learning based face recognition” in the 8th National Conference on Communication and Informatics on 14th June 2022.</li> <li>● Ms.P.Divya Bharathi has participated in the Four Days Workshop on</li> <li>● “Walkthrough From AI &amp; ML TO XAI” from 26-10-2022 to 29-10-2022</li> </ul>
	Grants fetched (Last three Academic years 18-19, 19-20 and 20-21)	<ul style="list-style-type: none"> <li>● Mr.R.P.Prasanna submitted a project proposal on “ BiDLSTM based intrusion detecting system”, mentored by Ms.R.Saktheeswari and received the <b>sponsor for an amount of Rs.10,000/-</b> from the management supported by Dean Research, SVCE for the academic year 2022-2023.</li> <li>● Mr.P.K Vasanthan submitted a project proposal on “ Cloud Intrusion Detection Method based on stacked auto enabler Restricted Boltzman Machine (RBM)”, mentored by Ms.P.Meenakshi and received the <b>sponsor for an amount of Rs.10,000/-</b> from the management supported by Dean Research, SVCE for the academic year 2022-2023.</li> </ul>
	Departmental Achievements (Last three Academic years 18-19, 19-20 and 20-21)	<ul style="list-style-type: none"> <li>● 4 students have gone for internship at Divsight Intelligence Private Limited from 05-12-2022 to 31-04-2023.</li> </ul>
	Distinguished Alumni	-

## ANNEXURE - II

1	Name of the Department	<b>Information Technology</b>		
	Course	M.Tech ( <u>M.E Computer Sceince and Engineering (NETWORKS)</u> )		
	Level	Post Graduate (PG)		
	1 <sup>st</sup> year of approval by the Council	2009		
		2022-2023	2021-2022	2020-2021
	Year wise sanctioned intake	-	12	18
	Year wise actual admission	-	0	1
	Cut off marks – General quota	-	(minimum)	(minimum)
	% Students passed with First Class with distinction	-	1	1
	% Students passed with First Class	-		
	Students placed	-	1	1
	Average Pay package, Rs/year	-	500000/-	300000/-
	Students opted for Higher studies	-		1
	Accreditation Status of the course	<ul style="list-style-type: none"> <li>Recognized as a National Resource Centre Of National Cyber Safety And Security Standards</li> <li>Accredited by NAAC</li> </ul>		

	Doctoral Courses	Approved
	Foreign collaborations, if any	MOU with Mastermind Academy
	Professional Society Memberships	27 - ISTE Members 2 - International Computer Science and Engineering Society (ICSES) Member 2 - IAENG Member 1 - IEEE Member 1 - CSI Member 10 - CSTA Members
	Professional Activities	
	Grants fetched (Last three Academic years 18-19, 19-20 and 20-21)	
	Departmental Achievements  (Last three Academic years 18-19, 19-20 and 20-21)	<b>Student Achievement</b> <ul style="list-style-type: none"> <li>● Mr.Prathap Rane K received Outstanding PG Student Award in the Academic Year 2021-2022.</li> <li>● Mr.Prathap Rane K paper titled “A Comprehensive Study of Security Threats at the Network Layer in Wireless Sensor Networks” in international conference.</li> <li>● Mr. Prathap Rane has completed the following courses in Coursera online platform: AWS cloud practitioner essentials, Accessing EC2 instance from the shell, AWS Cloudfront for Server content from multiple S3 buckets, AWS Multi-Tier VPC Architecture, AWS S3, creating a Virtual Private Cloud (VPC) Using AWS, creating routing policies to handle traffic with AWS Route 53 (with AWS EC2 instances).</li> <li>● Mr.Prathap Rane K received Outstanding P.G Student award in the Year 2021-2022 from SVCE.</li> </ul>
	Distinguished Alumni	-

## ANNEXURE - II

1	Name of the Department	<b>Mechanical</b>		
	Course	M.E- Mechatronics		
	Level	PG		
	1 <sup>st</sup> year of approval by the Council	2013		
		2020-21	2021-22	2022-23
	Year wise sanctioned intake	18	18	18
	Year wise actual admission	1	3	0
	Cut off marks – General quota	NA	NA	NA
	% Students passed with First Class with distinction	100	100	100
	% Students passed with First Class	100	100	100
	Students placed	NIL	NIL	NIL
	Average Pay package,	NA	NA	NA

Rs/year			
Students opted for Higher studies	NIL	NIL	NIL
Accreditation Status of the course	NA		
Doctoral Courses	Ph.D M.S (Research) Approved Research Center by AU		
Foreign collaborations, if any	London South Bank		
Professional Society Memberships	Indian Society of Technical Education Indian Welding Society- Students Chapter		
Professional Activities	Guest Lectures, Inplant Training, Industrial Visit, Faculty Development Program, Workshop/Seminars, Short Term Training Program		
Grants fetched (Last three Academic years 20-21,21-22,and 22-23)	<p>Completed:</p> <p>Experimental Investigation On Effect Of Fuel Spray Characteristics Of Direct Injection Diesel Engine Fuelled With Biodiesel was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs 15,33,334/- during February 2016.Dr.K.Pitchandi is the Principal investigator.</p> <p>Investigation On Vibration Characteristics Of Carbon Fiber Reinforced With Nano Silica/ Micro Rubber Composite Structural Beams was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs 9,28,000/- during March 2016.Dr.R.Ramesh is the Principal investigator.</p> <p>ANN modelling of Pulsed Metal Inert Gas welding of Magnesium Alloys was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs. 16,36,044 during March 2016. Dr. N. Muthukrishnan is the Principal Investigator</p> <p>A project titled "Surface modification of light metal substrates through laser texturing and coating for enhanced service life " was sanctioned a grant-in aid</p>		

	<p>by AICTE under Research Promotion Scheme to the tune of Rs. 17,94,118/- (Seven Lakhs) during September 2017. The duration of the project is 3 years. Dr. M. Prem Ananth is the Principal investigator and Dr. S. Ponnuvel is the Co-Principal Investigator of the project.</p> <p>A project titled "Machinability studies on high strength temperature resistance alloys using vertical machining center" was sanctioned a grant-in aid by AICTE under MODROB scheme to the tune of Rs. 7,00,000/- (Seven Lakhs) during September 2017. The duration of the project is 2 years. Dr. S. Ramesh Babu, Prof. &amp; Head is the Chief Coordinator of the project.</p> <p>A project titled " Mechanical Property evaluation of Nickel based alloys fabricated using wire and arc additive manufacturing and optimization of WAAM process parameters " was sanctioned a grant-in aid by AICTE , a sum of Rs. 17.29 lacs/- (Seventeen lacs and twenty nine thousands) during September 2020. The duration of the project is 2 years. Dr.K.Pitchandi, Prof. &amp; COE is the Chief Coordinator of the project.</p>
<p>Departmental Achievements</p> <p>(Last three Academic years 20-21, 21-22 and 22-23)</p> <p>20-21)</p>	<ul style="list-style-type: none"> <li>• Accredited by NBA for 3 years</li> <li>• Conducted International Conference during October-2020 SMETI- 2020</li> <li>• CSIR sponsored a sum of Rs.30,000/- to conduct national level conference titled as "NATIONAL WORKSHOP ON APPROACH TOWARDS ELECTRIC VEHICLE ARCHITECTURE AND APPLICATIONS: (EVAA 2k23) March 09-10, 2023 at SVCE.</li> <li>• A College level Workshop and Training was conducted on "Disaster Management and Awareness" Programme. at SVCE.</li> <li>• A state level ISTE Convention - Students chapter was conducted At SVCE in the month of April 29,2023</li> <li>• 12 Patents filed and published since last 3 years</li> <li>• Research Projects and Seminars conducted using the Grants received.</li> <li>• Research Proposals and AICTE -FDP Proposals have been submitted.</li> </ul> <ul style="list-style-type: none"> <li>• Consultancy service provided to the other institute/universities and Industries such as Wester Thomson,Nippon Thermostat</li> <li>• Events Organized ( workshops/seminars/ webinars/Guest lectures/Institute Innovation council/Mec- programs ): 36 nos.</li> <li>• Launched B.E Mechanical and Automation (UG) program in the year 2022 .</li> <li>• Industrial Visit to Both the UG and P students have been arranged .Axels</li> </ul>

India Ltd Brakes India Limited, SRV engineering, Delphi TVS.etc.

- UG-Students around 96 students underwent In-plant training/Internship in the top-most & reputed industries like M/s.Hyundai, TVS/Delphi TVS, WTI Ltd., Ashok Leyland.
- Around 10 UG students underwent internship at National Power Training Institute (Southern Region), Neyveli .

Launched a new PG programme – ME-Industrial Automation and Robotics- 2021

#### **Conference Presented( By Faculty) members details**

Dr R.Ramesh Professor, Mechanical Engineering has participated and presented a paper titled, “Automated Navigation Mobile Robot Using Ros For Material Handling” in the International conference on “Green Materials and Renewable Energy” organized by Department of Applied Chemistry in association with Department of Chemical Engineering Sri Venkateswara College of Engineering, Pennalur on 10.06.2021 to 11.06.2021.

	<p>Dr. R. Ramesh, Professor, Mechanical Engineering, Sri Venkateswara college of engineering has participated and presented a paper titled “Design And Development Of Automated Mobile Robot Using ROS For Smart Transportation In Production Lines” in 4th International e-Conference on Recent Advancement in Mechanical Engineering &amp; Technology - ICRAMET 2021 held on 24th &amp; 25th June 2021, organized by the Department of Mechanical Engineering, AVIT.</p> <p>Dr.C.SenthamaraiKannan, Assistant Professor, Mechanical Engineering, Sri Venkateswaracollege of engineering has participated and presented a paper titled Topology Optimization And Life Cycle Assessment Of Quick Connector Sheath International Conference On "Green Materials And Renewable Energy, Sri Venkateswara College of Engineering,10th June 2021 and 11th June 2021.</p> <p>Dr. P.Raghu, Assistant Professor, Mechanical Engineering, Sri Venkateswara college of engineering has participated and presented a paper titled Effect Of Injection Timing And Nozzle Hole Geometry On Diesel Engine Using Diesel And Biodiesel International Conference On Green Materials And Renewable Energy Sri Venkateswara College of Engineering, June 10-11, 2021</p> <p><b>Expert Lectures delivered in other colleges</b></p> <p>Dr. S.Natarajan, Assistant Professor, Mechanical Engineering, delivered a technical talk on "Homogeneous Charge Compression Ignition Engine-A Review at AarupadaiVeedu Institute of Technology ,Chennai on 03-11-2020.</p> <p>Dr.S.IIaiyavel, Associate Professor, Mechanical Engineering given an Expert On line Lecture for Panimalar Institute of Technology Students about Entrepreneurship ECO systemon 20th Novemeber, 2020</p> <p>Dr.K.S.Badrinathan, Professor, Mechanical Engineering, delivered a technical talk on Instructional strategies for effective online teaching of engineering graphics”, organized by Department of Mechanical Engg, Saveetha Engineering College, Chennai during 5<sup>th</sup> and 6<sup>th</sup> December 2020.</p> <p>Dr.K.S.Badrinathan, Professor, Mechanical Engineering, delivered a technical talk on “End effectors and its applications” in the AICTE sponsored online mode Short term training programme (Slot-1) /Titled “Industrial Robotics”- on 18.12.2020, organized by Rajagopal Polytechnic College, Gudiyattam, Tamilnadu.</p>
Distinguished Alumni	NIL

ANNEXURE - II		
1	Name of the Department	<b>Mechanical</b>
	Course	M.E- Industrial Automation and Robotics
	Level	PG

	1 <sup>st</sup> year of approval by the Council	2022		
		2020-21	2021-22	2022-23
	Year wise sanctioned intake	NIL	NIL	18
	Year wise actual admission	NIL	NIL	3
	Cut off marks – General quota	NIL	NIL	NA
	% Students passed with First Class with distinction	NIL	NIL	NA
	% Students passed with First Class	NIL	NIL	NA
	Students placed	NIL	NIL	NA
	Average Pay package,	NA	NA	NA

	Rs/year			
	Students opted for Higher studies	NIL	NIL	NIL
	Accreditation Status of the course	NA		
	Doctoral Courses	Ph.D M.S (Research) Approved Research Center by AU		
	Foreign collaborations, if any	London South Bank		
	Professional Society Memberships	Indian Society of Technical Education Indian Welding Society- Students Chapter		
	Professional Activities	Guest Lectures, Inplant Training, Industrial Visit, Faculty Development Program, Workshop/Seminars, Short Term Training Program		
	Grants fetched (Last three Academic years 20-21,21-22,and 22-23)	Completed:  A project titled "Surface modification of light metal substrates through laser texturing and coating for enhanced service life " was sanctioned a grant-in aid.		

	<p>by AICTE under Research Promotion Scheme to the tune of Rs. 17,94,118/- (Seven Lakhs) during September 2017. The duration of the project is 3 years. Dr. M. Prem Ananth is the Principal investigator and Dr. S. Ponnuvel is the Co-Principal Investigator of the project.</p> <p>A project titled " Mechanical Property evaluation of Nickel based alloys fabricated using wire and arc additive manufacturing and optimization of WAAM process parameters " was sanctioned a grant-in aid by AICTE , a sum of Rs. 17.29 lacs/- (Seventeen lacs and twenty nine thousands) during September 2020. The duration of the project is 2 years. Dr.K.Pitchandi, Prof. &amp; COE is the Chief Coordinator of the project.</p>
<p>Departmental Achievements</p> <p>(Last three Academic years 20-21,21-22 and 22-23)</p> <p>20-21)</p>	<ul style="list-style-type: none"> <li>• Accredited by NBA for 3 years</li> <li>• Conducted International Conference during October-2020 SMETI- 2020</li> <li>• CSIR sponsored a sum of Rs.30,000/- to conduct national level conference titled as "NATIONAL WORKSHOP ON APPROACH TOWARDS ELECTRIC VEHICLE ARCHITECTURE AND APPLICATIONS: (EVAA 2k23) March 09-10, 2023 at SVCE.</li> <li>• A College level workshop and Training was conducted on "Disaster Management and Awareness" Programme. at SVCE.</li> <li>• A state level ISTE Convention - Students chapter was conducted At SVCE in the month of April 29,2023</li> <li>• 12 Patents filed and published since last 3 years</li> <li>• Research Projects and Seminars conducted using the Grants received.</li> <li>• Research Proposals and AICTE -FDP Proposals have been submitted.</li> </ul> <ul style="list-style-type: none"> <li>• Consultancy service provided to the other institute/universities and Industries such as Wester Thomson,Nippon Thermostat</li> <li>• Events Organized ( workshops/seminars/ webinars/Guest lectures/Institute Innovation council/Mec- programs ): 36 nos.</li> <li>• Launched B.E Mechanical and Automation (UG) program in the year 2022 .</li> <li>• Industrial Visit to Both the UG and P students have been arranged .Axels India Ltd Brakes India Limited, SRV engineering, Delphi TVS.etc.</li> <li>• UG-Students around 96 students underwent In-plant training/Internship in the top-most &amp; reputed industries like M/s.Hyundai, TVS/Delphi TVS, WTI Ltd., Ashok Leyland.</li> <li>• Around 10 UG students underwent internship at National Power Training Institute (Southern Region), Neyveli .</li> </ul>

	<p><b>Conference Presented( By Faculty) members details</b></p> <p>Dr R.Ramesh Professor, Mechanical Engineering has participated and presented a paper titled, “Automated Navigation Mobile Robot Using Ros For Material Handling” in the International conference on “Green Materials and Renewable Energy” organized by Department of Applied Chemistry in association with Department of Chemical Engineering Sri Venkateswara College of Engineering, Pennalur on 10.06.2021 to 11.06.2021.</p>
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	<p>Dr. R. Ramesh, Professor, Mechanical Engineering, Sri Venkateswara college of engineering has participated and presented a paper titled “Design And Development Of Automated Mobile Robot Using ROS For Smart Transportation In Production Lines” in 4th International e-Conference on Recent Advancement in Mechanical Engineering &amp; Technology - ICRAMET 2021 held on 24th &amp; 25th June 2021, organized by the Department of Mechanical Engineering, AVIT.</p> <p>Dr.C.SenthamaraiKannan, Assistant Professor, Mechanical Engineering, Sri Venkateswaracollege of engineering has participated and presented a paper titled Topology Optimization And Life Cycle Assessment Of Quick Connector Sheath International Conference On "Green Materials And Renewable Energy, Sri Venkateswara College of Engineering, 10th June 2021 and 11th June 2021.</p> <p>Dr. P.Raghu, Assistant Professor, Mechanical Engineering, Sri Venkateswara college of engineering has participated and presented a paper titled Effect Of Injection Timing And Nozzle Hole Geometry On Diesel Engine Using Diesel And Biodiesel International Conference On Green Materials And Renewable Energy Sri Venkateswara College of Engineering, June 10-11, 2021</p> <p><b>Expert Lectures delivered in other colleges</b></p> <p>Dr. S.Natarajan, Assistant Professor, Mechanical Engineering, delivered a technical talk on "Homogeneous Charge Compression Ignition Engine-A Review at AarupadaiVeedu Institute of Technology ,Chennai on 03-11-2020.</p> <p>Dr.S.IIaiyavel, Associate Professor, Mechanical Engineering given an Expert On line Lecture for Panimalar Institute of Technology Students about Entrepreneurship ECO system on 20th November, 2020</p> <p>Dr.K.S.Badrinathan, Professor, Mechanical Engineering, delivered a technical talk on Instructional strategies for effective online teaching of engineering graphics”, organized by Department of Mechanical Engg, Saveetha Engineering College, Chennai during 5<sup>th</sup> and 6<sup>th</sup> December 2020.</p> <p>Dr.K.S.Badrinathan, Professor, Mechanical Engineering, delivered a technical talk on “End effectors and its applications” in the AICTE sponsored online mode Short term training programme (Slot-1) /Titled “Industrial Robotics”- on 18.12.2020, organized by Rajagopal Polytechnic College, Gudiyattam, Tamilnadu.</p>
Distinguished Alumni	NIL

## ANNEXURE - II

1	Name of the Department	<b>Mechanical</b>		
	Course	M.E- Industrial Automation and Robotics		
	Level	PG		
	1 <sup>st</sup> year of approval by the Council	2021		
		2019-20	2020-21	2021-22
	Year wise sanctioned intake	NA	NA	18
	Year wise actual admission	NA	NA	3
	Cut off marks – General quota	NA	NA	NA
	% Students passed with First Class with distinction	NA	NA	NA
	% Students passed with First Class	NA	NA	NA
	Students placed	NA	NA	NA
	Average Pay package,	NA	NA	NA

Rs/year			
Students opted for Higher studies	NIL	NIL	NIL
Accreditation Status of the course	NA		
Doctoral Courses	Ph.D M.S (Research) Approved Research Center by AU		
Foreign collaborations, if any	London South Bank		
Professional Society Memberships	Indian Society of Technical Education Indian Welding Society- Students Chapter		
Professional Activities	Guest Lectures, Inplant Training, Industrial Visit, Faculty Development Program, Workshop/Seminars, Short Term Training Program		
Grants fetched (Last three Academic years 20-21, 21-22 and 22-23)	<p>Completed:</p> <p>Experimental Investigation On Effect Of Fuel Spray Characteristics Of Direct Injection Diesel Engine Fuelled With Biodiesel was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs 15,33,334/- during February 2016. Dr.K.Pitchandi is the Principal investigator.</p> <p>Investigation On Vibration Characteristics Of Carbon Fiber Reinforced With Nano Silica/ Micro Rubber Composite Structural Beams was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs 9,28,000/- during March 2016. Dr.R.Ramesh is the Principal investigator.</p> <p>ANN modelling of Pulsed Metal Inert Gas welding of Magnesium Alloys was sanctioned by AICTE under Research Promotion Scheme to the tune of Rs. 16,36,044 during March 2016. Dr. N. Muthukrishnan is the Principal Investigator</p> <p>A project titled "Surface modification of light metal substrates through laser texturing and coating for enhanced service life " was sanctioned a grant-in aid</p>		

	<p>by AICTE under Research Promotion Scheme to the tune of Rs. 17,94,118/- (Seven Lakhs) during September 2017. The duration of the project is 3 years. Dr. M. Prem Ananth is the Principal investigator and Dr. S. Ponnuvel is the Co-Principal Investigator of the project.</p> <p>A project titled "Machinability studies on high strength temperature resistance alloys using vertical machining center" was sanctioned a grant-in aid by AICTE under MODROB scheme to the tune of Rs. 7,00,000/- (Seven Lakhs) during September 2017. The duration of the project is 2 years. Dr. S. Ramesh Babu, Prof. &amp; Head is the Chief Coordinator of the project.</p> <p><b>Ongoing</b></p> <p>A project titled " Mechanical Property evaluation of Nickel based alloys fabricated using wire and arc additive manufacturing and optimization of WAAM process parameters " was sanctioned a grant-in aid by AICTE , a sum of Rs. 17.29 lacs/- (Seventeen lacs and twenty nine thousands) during September 2020. The duration of the project is 2 years. Dr.K.Pitchandi, Prof. &amp; COE is the Chief Coordinator of the project.</p>
<p>Departmental Achievements</p> <p>(Last three Academic years 19-20,20-21 and -22-23)</p>	<p>Accredited by NBA for 3 years</p> <p>Conducted International Conference during May 2018</p> <p>Conducted International Conference during October-2020 <b>SMETI-2020</b></p> <p>Obtained Autonomous Status in the year 2016-17</p> <p>Filed 5 Patents</p> <p>Research Projects and Seminars conducted using the Grants received</p> <p>Research Proposals have been submitted</p> <p>Consultancy service provided to the other institute/universities and Industries.</p> <p>Events Organized ( workshops/seminars/ webinars): 36 nos</p> <p>Launched a new PG programme – ME-Industrial Automation and Robotics- 2021</p> <p>launched a new UG Programme - B.E - Mechanical and Automation.</p> <p>New lab facilities named as advanced manufacturing cell - CIM, comprises - IoT based manufacturing cell , Robotic centered and 3D printing cell inaugurated during Feb'2023</p> <p>Conference Grant received from CSIR , a sum of Rs.30,000/- towards the national level conference held on March3 &amp; 4 2023.</p>

### Patents Details

- Mr. M Nishal granted the patent for the Preparation of Rice Starch based biodegradable film, 31-01-2022.
- Dr. M Gajendiran filed and published a patent on 17-03-2022, titled, "Experimenting filtration technique for carbon particle collector & Methods thereof".
- Dr. Prem Ananth M, Associate Professor, Mr. Risikesh J & Mr. Sidheswaren J, filed a patent titled, "Dual Shaft Leaf Shredder", on 18th October 2022 with application no. :202241061116 and the same is published on 4th November, 2022.
- Mr. J. Sivaramapandian, D. Karthick thangaraj, and R. Dhanasekaran filed a patent titled, " Bund Forming Machine" , on 26th October 2022 and the same is published on 1st July, 2022.
- Mr. K. RamPrasad, Mr. M. Nishal, Mr. M. Maheswaran and Prashanna Rangan R - ME Scholar I IAR Passive published a patent titled, "Ankle prosthetic for below knee amputee" on 23rd September, 2022.
- **Dr. S.RAMESH BABU** filed and published a patent on 01/03/2023, titled, "MULTIFUNCTIONAL SMART WEARABLE WRIST ASSIST"

### Books/Book Chapter published(Faculty member)

- Book chapter titled "Analysing Roles of I4.0 Technologies in the Lean-Green Paradigm" authored by K.Ram Prasad, AP/MEC, and M.Nishal, AP/MEC has been published in the book "Lean Thinking in Industry 4.0 and Services for Society", Ch:9, pp.167-193.
- A technical paper titled "Effect of Intake Air Preheat on Diesel Engine Performance Fueled with Coconut Fatty Acid Distillate Biodiesel" co-authored by Dr. S. Ponnuvel got published in the Part of the Book Series - Lecture notes in Mechanical Engineering (Recent advances in energy technologies) - Springer Nature - ISBN 978-981-19-3467-4 (E- Book). The book is scopus indexed. (IF 0.51).
- Dr.M.Mohanddass Associate professor/AHoD-Mec., Mr. V. Gurusamy, Associate Professor/Marine Engineering and research scholars Mr. D. Nithyanand (Part-time scholar) , Mr. Deepak Lawrence (Full-time scholar) have authored the book titled "METAL SHAPING PROCESSES" (ISBN - 978-93-94339-88-0 ) which has been published by AGPH books.



### Conference Presented( By Faculty) members details

Dr R.Ramesh Professor, Mechanical Engineering has participated and presented a paper titled, "Automated Navigation Mobile Robot Using Ros For Material Handling" in the International conference on "Green Materials and Renewable Energy" organized by Department of Applied Chemistry in association with Department of Chemical Engineering Sri Venkateswara College of Engineering, Ponnalur on 10.06.2021 to 11.06.2021.

	<p>Dr. R. Ramesh, Professor, Mechanical Engineering, Sri Venkateswara college of engineering has participated and presented a paper titled “Design And Development Of Automated Mobile Robot Using ROS For Smart Transportation In Production Lines” in 4th International e-Conference on Recent Advancement in Mechanical Engineering &amp; Technology - ICRAMET 2021 held on 24th &amp; 25th June 2021, organized by the Department of Mechanical Engineering, AVIT.</p> <p>Dr.C.SenthamaraiKannan, Assistant Professor, Mechanical Engineering, Sri Venkateswara college of engineering has participated and presented a paper titled Topology Optimization And Life Cycle Assessment Of Quick Connector Sheath International Conference On "Green Materials And Renewable Energy, Sri Venkateswara College of Engineering 10th June 2021 and 11th June 2021.</p> <p>Dr. P.Raghu, Assistant Professor, Mechanical Engineering, Sri Venkateswara college of engineering has participated and presented a paper titled Effect Of Injection Timing And Nozzle Hole Geometry On Diesel Engine Using Diesel And Biodiesel International Conference On Green Materials And Renewable Energy Sri Venkateswara College of Engineering, June 10-11, 2021</p> <p><b>Expert Lectures delivered in other colleges</b></p> <p>Dr. S.Natarajan, Assistant Professor, Mechanical Engineering, delivered a technical talk on "Homogeneous Charge Compression Ignition Engine-A Review at AarupadaiVeedu Institute of Technology ,Chennai on 03-11-2020.</p> <p>Dr.S.IIaiyavel, Associate Professor, Mechanical Engineering given an Expert On line Lecture for Panimalar Institute of Technology Students about Entrepreneurship ECO systemon 20th Novemeber, 2020</p> <p>Dr.K.S.Badrinathan, Professor, Mechanical Engineering, delivered a technical talk on Instructional strategies for effective online teaching of engineering graphics”, organized by Department of Mechanical Engg, Saveetha Engineering College, Chennai during 5<sup>th</sup> and 6<sup>th</sup> December 2020.</p> <p>Dr.K.S.Badrinathan, Professor, Mechanical Engineering, delivered a technical talk on “End effectors and its applications” in the AICTE sponsored online mode Short term training programme (Slot-1) /Titled “Industrial Robotics”- on 18.12.2020, organized by Rajagopal Polytechnic College, Gudiyattam, Tamilnadu.</p>
Distinguished Alumni	NIL

10.13	Faculty Details			
		<b>S.No</b>	<b>Department</b>	<b>Faculty Details</b>
		1	Automobile Engineering	<a href="https://www.svce.ac.in/departments/automobile-engineering/?pa">https://www.svce.ac.in/departments/automobile-engineering/?pa</a>
		2	Biotechnology	<a href="https://www.svce.ac.in/departments/biotechnology/?page=people">https://www.svce.ac.in/departments/biotechnology/?page=people</a>
		3	Chemical Engineering	<a href="https://www.svce.ac.in/departments/chemical-engineering/?page">https://www.svce.ac.in/departments/chemical-engineering/?page</a>
		4	Civil Engineering	<a href="https://www.svce.ac.in/departments/civil-engineering/">https://www.svce.ac.in/departments/civil-engineering/</a>
		5	Computer Science Engineering	<a href="https://www.svce.ac.in/departments/computer-science-and-engineering/?page=people&amp;subMenu=faculty">https://www.svce.ac.in/departments/computer-science-and-engineering/?page=people&amp;subMenu=faculty</a>
		6	Electrical and Electronics Engineering	<a href="https://www.svce.ac.in/departments/electrical-and-electronics-engineering/?page=people&amp;subMenu=faculty">https://www.svce.ac.in/departments/electrical-and-electronics-engineering/?page=people&amp;subMenu=faculty</a>
		7	Electronics and Communication Engineering	<a href="https://www.svce.ac.in/departments/electronics-and-communication-engineering/?page=people&amp;subMenu=faculty">https://www.svce.ac.in/departments/electronics-and-communication-engineering/?page=people&amp;subMenu=faculty</a>
		8	Information Technology	<a href="https://www.svce.ac.in/departments/information-technology/?pa">https://www.svce.ac.in/departments/information-technology/?pa</a>
		9	Mechanical Engineering	<a href="https://www.svce.ac.in/departments/mechanical-engineering/">https://www.svce.ac.in/departments/mechanical-engineering/</a>
		10	Marine Engineering	<a href="https://www.svce.ac.in/departments/marine-engineering/?page=p">https://www.svce.ac.in/departments/marine-engineering/?page=p</a>
		11	Applied Chemistry	<a href="https://www.svce.ac.in/departments/applied-chemistry/?page=pe">https://www.svce.ac.in/departments/applied-chemistry/?page=pe</a>
		12	Applied Mathematics	<a href="https://www.svce.ac.in/departments/applied-mathematics/?page=">https://www.svce.ac.in/departments/applied-mathematics/?page=</a>
		13	Applied Physics	<a href="https://www.svce.ac.in/departments/applied-physics/?page=peop">https://www.svce.ac.in/departments/applied-physics/?page=peop</a>
		14	Humanities and Social Sciences	<a href="https://www.svce.ac.in/departments/humanities-and-social-sciences/?page=people&amp;subMenu=faculty">https://www.svce.ac.in/departments/humanities-and-social-sciences/?page=people&amp;subMenu=faculty</a>

10.14	Admission Quota	UG: 1050 students, PG: 72
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	Entrance test/admission criteria	<p><b>UG:</b> The cut-off mark is calculated based on the marks obtained by the student in Mathematics, Physics and Chemistry at the higher secondary level, out of 200. Based on the cut-off marks, the seats will be allotted to the students. This procedure is common for both Government and Management Quota.</p> <p><b>PG:</b> Based on marks obtained in TANCET, a common exam conducted by Government of Tamil Nadu for students aspiring for PG studies.</p>		
		2022-23	2021-22	2020-21
	Cut off/last candidate admitted	Refer <b>Annexure: V</b> attached		
		Refer: <a href="https://www.svce.ac.in/admission/fee-structure/">https://www.svce.ac.in/admission/fee-structure/</a>		
	Fees in rupees (UG)			
	Accredited			
	Non- Accredited			
	Fees in rupees (PG)			
	Number of Fee Waivers offered			
	Admission Calendar	Starting from May and going up to August, as decided by Govt. of Tamil Nadu / Consortium of Self-financing Colleges of Tamil Nadu.		
	PIO Quota	Yes/No		
<b>10.15</b>	Infrastructural information			
	Classroom/Tutorial Room facilities	 		

	Laboratory facilities	
	Computer Centre facilities	

## Library facilities



## Auditorium/Seminar Halls



	Cafeteria	
	Indoor Sports facilities	
	Outdoor facilities	
	Gymnasium facilities	

	Facilities for disabled	Ramps, Classrooms are arranged in ground floor
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Any other facilities

Generators, RO Plant, Electrical Sub Station

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10.16	Boys Hostel	Capacity around 960 students (8 blocks)
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	Girls Hostel	Capacity around 380 students ( 3 blocks)
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	Medical and Other facilities at Hostel	6 bed dispensaries in campus, Stationery shop, internet facility, swimming pool and sports facility
<b>10.17</b>	Academic sessions	50 minutes per session and 7 sessions per day
	Examinations system, Year/Semester	Semester (3 continuous assessment tests at the college level and one Since the college has got autonomous status in the year 2016, the end semester examination is conducted by the Institute)
	Period of declaration of results	Being the Autonomous Institution from the year 2016, the office of the Controller of examinations, SVCE conducts the examinations and announces the results within 30 days of conducting the examinations.
<b>10.18</b>	Counseling/Mentoring	<p>To help the students in planning their courses of study and for general advice on the academic programme, the Head of the Department will attach a certain number of students to a teacher of the Department who shall function as Tutor for these students throughout their period of study. The responsibilities for the faculty adviser shall be:</p> <ul style="list-style-type: none"> <li>➤ To act as the channel of communication between the HoD and the students of the respective class.</li> <li>➤ To collect and maintain various statistical details of students.</li> <li>➤ To help the class committee chairman in planning and conduct of the class committee meetings.</li> <li>➤ To monitor the academic performance of the students including attendance and to inform the class committee chairman and parents concerned.</li> <li>➤ To attend to the student's welfare activities like awards, medals, scholarships and industrial visits.</li> </ul>
	Career Counseling	The Training and Placement Cell headed by a Senior Professor in the college plays a very active role in getting our students placed in various leading multi-National companies (MNCs) and Indian Companies. Also, the office regularly conducts awareness and counselling sessions for the benefit of the students in the areas of Higher Studies, Placement Opportunities, In-plant Training, employability Skills, etc.
	Medical facilities	A medical centre with 6 beds, a residential medical officer and a trained nurse are available in the campus. The nurse is available in campus for 24 hours medical care. The college also has trained staff for immediate medical assistance, ready transport for all emergencies always, and first aid boxes available at various places. An ambulance is available round the clock. In addition, there is a separate laboratory for routine investigation, ECG facility and psychotherapy unit which are run by a qualified technician.
	Student Insurance	Our students are covered under the Personal Accident Policy of value Rs. 1,00,000 for each student, taken with 24 x7 coverage.



10.19	Students Activity Body	<p>Various forums such as IEEE, CSI, ACE, ISTE, ISTD, SAE, etc. are available and actively functioning in the college for the benefit of the students, under the guidance of faculty incharges.</p> <p>Student Associations: <a href="https://www.svce.ac.in/student-zone/clubs-societies/">https://www.svce.ac.in/student-zone/clubs-societies/</a></p>
	Cultural Activities	<p>In the first year cultural talents are identified through a talent search competition called Calibration. Voxqualdum, another intra collegiate cultural competition are held to hone their cultural skills. Participants and winners in these competitions participate in inter collegiate competitions at state and national levels.</p> <p>Clubs and Extra Curricular Activities: <a href="https://www.svce.ac.in/student-zone/clubs-societies/">https://www.svce.ac.in/student-zone/clubs-societies/</a></p>
	Sports activities	<p>The college has in-house facilities for both outdoor and indoor games such as Cricket, Football, Basket ball, Volley Ball, Gymnasium, Swimming Pool, etc. Both boys and girl students are encouraged to participate in various events at the intra , inter-zonal, university, state and country level. The college also conducts tournaments at the zonal level.</p> <p>More details about PED.: <a href="https://www.svce.ac.in/facilities/sports/">https://www.svce.ac.in/facilities/sports/</a></p>
	Literary activities	<p>Every semester at least one magazine is published by name Phoenix. The students write, edit the articles and design the magazines under the guidance of faculty in charge.</p>
	Magazine/Newsletter	<p>The College newsletter is published twice in a year. The newsletter talks about student and staff performance in academic and research related activities like publication and presentation of papers. Some of the departments also publish department level magazines with contribution from staff and students.</p> <p>For Latest News Letter: <a href="https://www.svce.ac.in/news-events/newsletter/">https://www.svce.ac.in/news-events/newsletter/</a></p>
	Technical activities/Tech fest	<p>The college encourages students each year at the department level to conduct national level technical symposiums in which they organize various technical programs such as model building, paper presentation etc for the benefit of the student fraternity from our and various other colleges..</p> <p>Societies : <a href="https://www.svce.ac.in/student-zone/clubs-societies/">https://www.svce.ac.in/student-zone/clubs-societies/</a></p>
	Industrial visits/Tours	<p>All the departments arrange industrial visits in each semester for the benefit of the students. In the third year of their study, the students are encouraged to go on an educational tour accompanied by faculty members.</p>
	Alumni activities	<p>The college has an active Alumni association that meets twice in a year. All graduates are encouraged to become members of this association. The Alumni association sponsors a book bank facility for needy students and outstanding faculty award.</p>

<b>10.20</b>	Name of the Information Officer for RTI	Prof. S. Ganesh Vaidyanathan
	Designation	Principal
	Phone Number with STD code	044-27152000
	Fax number with STD code	044-27162462
	Email	principal@svce.ac.in

**SRI VENKATESWARA COLLEGE OF ENGINEERING, PENNALUR, SRIPERUMBUDUR - 602**

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**MINIMUM CUT OFF ALLOTTED TO SVCE UNDER SINGLE WINDOW COUNSELING**

Branch	General Quota				
	2022	2021	2020	2019	2018
Automobile Engineering	162.4	165.67	150	168.25	187.75
Biotechnology	164.29	167.56	186.5	182	190
Civil Engineering	179.05	182.32	155.5	156.5	188.25
Chemical Engineering	153.57	156.84	166	169	187.5
Computer Science and Engineering	173.35	176.62	190	189	194
Electronics and Comm Engineering	144.35	147.62	188	186	193.25
Electrical and Elec. Engineering	164.14	167.41	180.5	179	190.5
Information Technology	158.53	161.80	188	186	192
Mechanical Engineering	167.41	170.68	179	180.5	191
Marine Engineering	151.98	155.25	152.5	155.5	189
Artificial Intelligence and Data Sciences	162.49	165.76	188.5	N/A	N/A
Mechanical and Automation Engineering	166.23	--	--	--	--