



Sri Venkateswara
College of
Engineering

SVCE INNOVATES 2022 Students' Research Day

Circular

3/2/2022

The best innovations of 2022, by the students of SVCE, would be identified by conducting a contest. This is being organized as a college wide event for the seventh time with the following objectives:

To nurture an interest in research and to provide an opportunity to the students to exhibit their creative skills

To inculcate the spirit of healthy competition and to encourage inter-disciplinary innovations

This is intended for undergraduate and postgraduate engineering students of all the departments in our campus.

Competition details

Abstract should be submitted in a maximum of 500 words and the format for the abstract can be downloaded from the website.

Important Dates

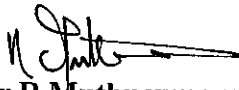
Submission of an abstract of the innovative ideas : 5.4.2022

Final event will be held on SVCE Students' Research Day : 8.4.2022 (Friday)

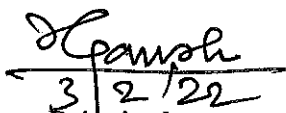
Team can consist of 2-3 students. Interdisciplinary teams are encouraged. Each team must have a faculty mentor. All participants will get participation certificates. Best innovative ideas in each branch will get prize money and certificate of Appreciation

Certificates would also be given to the faculty mentors of the winning teams.
A panel of judges from the industry and academia will evaluate the innovative ideas.

All the participants will have to demonstrate the ideas using poster/Models/software prototypes.

 3/2/2022
Dr R Muthucumaraswamy Dean (Research)

Dr. R. Muthucumaraswamy, Ph.D.,
Dean (Research), Professor & Head
Department of Applied Mathematics
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur-602117.

 3/2/22
Principal
Prof. S. Ganesh Vaidyanathan, Ph.D.
Principal
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur Tk-602 117,
Tamilnadu State, India.



Annexure- I

EVENT: SVCE INNOVATES 2022

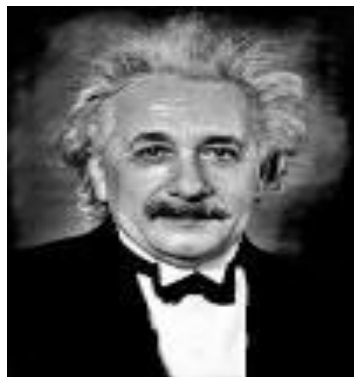
Students are requested to submit their abstract to the respective department research coordinator through e-mail and also submit the hard copy of the abstract and registration form

S.No	Department	Research Coordinator(s)	e-mail Id
1.	AUT	Dr V Ganesh	vinaganesh@svce.ac.in
2.	BIO	Dr G Karthigadevi	karthigadevig@svce.ac.in
3.	CIV	Dr P Venkateswara Rao	pvenkat@svce.ac.in
4.	CHE	Dr R Palani	rpalani@svce.ac.in
5.	CSE	Dr N Rajeswari	raji@svce.ac.in
6.	ECE	Dr S R Malathi Ms S M Mehzabeen	malathiraj@svce.ac.in mehzabeen@svce.ac.in
7.	EEE	Dr R Karthikeyan Mr S Purushothaman	rkar@svce.ac.in purush@svce.ac.in
8.	INT	Dr C Yaashuwanth Mr K Suresh	yaashuwanth@svce.ac.in ksuresh@svce.ac.in
9.	MEC	Dr M Gajendran Dr S Ilayavel	mgaja@svce.ac.in ilaiyavel@svce.ac.in
10.	MAR	Mr M Anandan	anand@svce.ac.in



Autonomous Institution- Affiliated to Anna University

Pennalur, Sriperumbudur - 602 117



Albert Einstein

The Management, Staff and Students

Cordially invite you for the

INAUGURAL FUNCTION OF

SVCE INNOVATES 2022- STUDENTS' RESEARCH DAY

Dr S P SUBRAMANIYAN

Deputy Controller of Patents and Designs
IPR Building, GST Road, Guindy, Chennai 25.

Dr K R SANTHA

Vice Principal, Professor and Head, Department of Electrical and Electronics Engg.
Sri Venkateswara College of Engineering
Will preside over the function

Venue : Seminar Hall, Dr AC Muthiah Central Library

Date and Time : 8th April 2022, 10.00 AM

ALL ARE WELCOME

Time**Program****10.00 am – 10.05 am****Prayer song****10.05 am – 10.10 am****Welcome address by
Prof. R MUTHUCUMARASWAMY
Dean (Research)****10.10 am – 10.25 am****Address by
Dr K R SANTHA
Vice Principal, Professor and Head
Dept. of Electrical and Electronics Engg.
Sri Venkateswara College of Engineering****10.25 am – 10.30 am****Introduction of Chief guest by
Miss. I Jasi Grace
President, Students' Council, SVCE****10.30 am – 11.00 am****Inaugural address by
Dr. S P SUBRAMANIYAN
Deputy Controller of Patents and Designs
IPR Building, Guindy, Chennai-25****11.00 am – 11.15 am****Tea Break followed by
Demonstrations and Presentations of
Projects by Students in Multipurpose Hall
AUT/CIV/CHE/CSE/EEE/MEC/MAR****BIO – Department Ground and first floor****INT - PG Lab, Ground Floor****ECE – Applied Electronics Lab, IMS Block, II Floor****Students can display their projects/models/poster starting from 9.00 am to 2.00 pm**



SVCE INNOVATES 2022

STUDENTS' RESEARCH DAY

Annexure – II

5.4.2022

Department of Automobile Engineering

S.No/ Batch	Name of the students (UG/PG)	Title	Name of the Mentor
1	JANAKIRAMAN B VAIGUNDA VASAN P	EMERGENCY AMBULANCE BOOKING ANDROID APPLICATION	Mr. A. BALASUBRAMANIAN
2	BENNETT JOSEPH D SIVASANKARAN S VENKAT P R (AIDS) SIDDHESHWAR (AIDS) SRIRANGAN (AIDS)	ACCIDENT SENSING AND INTIMATION SYSTEM USING ML/AI	Mr. A. BALASUBRAMANIAN Dr D Vinodha
3	NITHISHVARDAN A V J SUDHARSAN S KAARTHIKEYAN S	DESIGN OF IoT BASED AIR CONDITIONING ALERT SYSTEM	Dr. V. GANESH
4	PUGHAZENTHI R	DESIGN AND FABRICATION OF DRIVE SHAFT FOR BICYCLE	Mr. RAMANJANEYULU KOLLA

Total number of abstracts: 4

Total number of students: 11

Total number of mentors: 4

Department of Biotechnology

S.No/ Team ID	Name of the students	Title	Name of the mentor
1	Kaaviya V, Abinaya T	Waste water treatment using algal textile – A clean technology approach	Dr. G. Karthigadevi
2	Udayarajan Y , Mohamed Shadir V O A	Aquarium related nitrogen reprocess	Dr. K. Vasantharaj
3	Harini B, Maanasa M, Jyothishree V	Automated implant-biosensor based drug delivery	Dr K Ganesh Prasath
4	N.S.Dharshini , Janani Harikrishnan , R.Jayaram	Design of balanced diet for healthy lifestyle using 3D Food Printing Technology	Dr. K. Nakkeeran
5	Madhumitha K, Mathumithaa Rao M	Hydroponics	Dr. K. Divakar
6	Nithishwaran, Priya darshini, Sadhakshi	Formulation of amphoterapeutic herbal beeswax candles	Dr. E. Nakkeeran
7	Nithyasree.V , Vardhini.B , Subasree.S	Rapid composting by mixed culture	Dr. K. Divakar
8	Nivashini Vindhya S, Magdalene P, Haritha M	survey on medicinal plants inducing osteogenesis in stem cells	Mr. J. Hariharan
9	Varshini.K.R, Jyotsna R	Sandy soil cultivation	Dr. S. Pandi Prabha
10.	Lavanya.J, Kirtana.S, Vischalli.J	Real Time Monitoring and controlling device for elderly People facing Hypoglycemia	Dr. K.Vasantharaj
11	Thapasvi,Vibhushini	Importance of stoichiometry alteration with improving efficacy in energy drinks	Dr.K. Ganesh Prasath
12	Jhishnu raj K , Abhinav. RA, Ajay K	Identification of expired tablets from normal tablets	Mr. N. Sathish
13	Rajshree R, Rythika C, Srinithya S	Preliminary evaluation of Mint production under fish waste hydroponic system	Ms. R. Rathna
14	Divyasakthi M	Detection of albuminuria by knock-in of RFP by CRISPR Cas9	Dr.K. Divakar

15	Charu Lekha Sarayu.Y, Dhaksha Padmaja.S, Shalini.A	Utilisation of banana peel to produce edible products	Dr. E. Nakkeeran
16	Haripriya AS, Manaswini V, Sanjana S	Vicilin Hydrogel: A potential therapeutic material for bone tissue regeneration	Dr. G. Karthigadevi
17	Kamalavarshini B , Leema Rose Sebastian , Vanaja N	Protein-Rich Mock Meat From Lentils	Dr. E. Nakkeeran
18	Harini. S, Manohari. R	Effect of Tartrazine on ADHD	Dr. E. Nakkeeran
19	E.priya ranjani	Green muscle in anti hyper lipidemic activity	R. Rathna
20	Aakanksha Venkateswar, Lakshmi. B, Preyadarshne. T	SNP's symphony: A Track of Polymorphism	Dr. K. Ganesh Prasath
21	Anirudh J, Gomathi T, Karthikeyan M	Screening phytochemicals against biofilm causing pathogens	Dr. K Divakar
22	Elambarithi M, Ananth S Madhav, Prem Kumar G	Preparation of fruit flavoured vegan yoghurt	Dr. E. Nakkeeran
23	Sarvika PM, Shruthi V, Umadevi VH	Bioactives embedded respiratory mask against MASKNE	Dr. K.Ganesh Prasath
24	Kamalavarshini B, Leema Rose Sebastian, Vanaja N	Protein-Rich Mock Meat from Lentils	Dr. E. Nakkeeran
25	Bharadwaj. R, Deva. S (PG)	Watermelon rinds as a source of Vitamin A supplement Gummies - A Valorization Approach	Dr. G. Karthigadevi
26	Ajitha Murugesan, Jeeva Dhanushya .S , Abi Sherlin .E (PG)	Palmyra fruit as skin photoprotectant	Dr. V. Sumitha
27	Deepak S (PG)	Hyaluronic Acid synthesis using Recombinant Lactococcus lactis	Dr. V. Sumitha
28	N.Varsha	Super absorbent polymers for the sustained release of Macronutrients derived from Biodiesel industry -A synergistic approach	Dr. V. Sumitha
29	Bharkave SP, Seethalakshmi VV	Coco Project	Dr. V. Sumitha

30	Varsha R, Vijayakumar R P	Probiotics in heavy metal detoxification in Humans	Mr. N. Sathish
31	Subhiksha M , Subindhira R ,Varsha K	Enhancement of chlorophyll content in edible leaves using pumpkin seeds as Mg supplement	Dr. K. Vasantharaj
32	Monisha N	Formulation and Evaluation of nutraceutical lipstick from Hydrilla verticillata	Dr. S. Pandi Prabha
33	Abishek V S, Hemapriya M, karishma Sk	Utilization of lemon seed (citrus limon) extract for the preparation of antimicrobial ointment	Dr. K. Vasantharaj
34	Kawya S	Preparation and quality evaluation of biscuits supplemented with vitamin B6 from Hydrilla verticillata	Dr. S. Pandi prabha
35	Jyotsna R, Varshini K R	Sandy Soil Cultivation	Mrs. S. Pandi Prabha
36	Sowmiya V	Cloning and expression of recombinant Human interleukin 2 in Lactobacillus casei	Prof. M. Sivananadham

Total number of abstracts: 36

Total number of students: 81

Total number of mentors: 11

Department of Chemical Engineering

S.No/ Team ID	Name of the students (UG/PG)	Title	Name of the Mentor
1	Anuja J (UG)	DEVELOPMENT OF BIO-COMPOSITE FROM AGRICULTURAL WASTE USING MYCELIUM FUNGI	Mr. N. Arun Prem Anand
	Darshan B (UG)		
	Keerthana S (UG)		
2	K. A. Arsath Kader (UG)	NANO-ENHANCED PHASE CHANGE MATERIAL EMBEDDED ROOFTOP TILES FOR IMPROVED INDOOR THERMAL COMFORT BY PASSIVE COOLING	Dr. Vishnuprasad
	V. K. Vignesh (UG)		
3	U Smruthi (UG)	RECOVERY OF NANO PARTICLES FROM PRINTED CIRCUIT BOARDS	Dr G Sudha
	M Saliya Parveen (UG)		
	R Navya (UG)		
4	Jow Raymond I (UG)	NANO DIAMOND BATTERY	Dr. Vishnuprasad
	Varun SD (UG)		
	Hindhuia B (UG)		

Total number of abstracts: 4

Total number of students: 11

Total number of mentors: 3

Department of Civil Engineering

S.No. /Team ID	Year	Name of the Student	Title	Name of the Mentor
1	IV	1.M. Akash 2.W.Balaji 3.B.Bhuvaneshwar	An experimental study on replacement with recycled powdered glass as fine aggregate	Mrs. K. SathyaPriya
2	IV	1.Fahmi Reeshman Ahamed. O 2. Eswara Srinivasan. V 3. Monisha. G	Dynamic characteristics of a smart seismic isolator	Dr.P. Venkateswara Rao
3	III	1.Ranjana Priyadharshini 2.Vignesh A 3.Gowtham S	Rainwater harvesting technologies for a smart city	Mr. Kalaivannan R

4	III	1.Harshavarthani G 2. Jenisha A	Development of cardboard using coir fibers and waste rice husk	Dr.R.Kumutha
5	I	1.Lomina. R 2.Aadeswhar.S	Working model of earthquake alarm	Mrs. Ruby freya
6	III	1.Laleeth kumar. D 2.Vivedhitha varshini. A.G. 3.Gogula chezhiyan. N	Low cost innovative wall panels with recycled materials	Mr. A.Vijay Vignesh
7	IV	1.Rajarajan.V 2.Siva.P 3.Srinithyan.B 4.Sriram R	Rehabilitation of structures using structural steel	Mrs. Ruby Freya
8	III	1.M. Jenani 2.R.Hemalatha 3.B.Bharanidharan	Properties of shear thickening fluid for structural applications	Mrs.Ruby Freya (Civil Engg.) & Ms. G.Bharathy -APH
9	III	1.Siddharth. J.U 2.Gopinath.A 3.Gokul.K	Tensigrity structure	Dr.R.Sathia
10	III	1.Mohammed shafeen. E B 2.Padmanaban. N 3.Hariprakash J	Waste Management using GIS & Smart Bin	Mr.G. Arun
11	II	1.Promoth madavan 2. Vinnu Vikram 3. Rithik	Biom mineralization in concrete	Mr.R. Kalaivannan
12	II	1.Amaravathy. U 2.Puviarasu. S 3.Jayasurya. J	Instrument to check the tile levels using sensor	Mr. Hariswaran. S

Total number of abstracts:12

Total number of students: 35

Total number of mentors: 12

Department of Computer Science and Engineering

S.No/ Team ID	Name of the students (UG/PG)	Title	Name of the Mentor
1.	Aryan Tiwari, II AI&DS Niyas Hameed R F, II AI&DS Vignesh R S, II AI&DS	MindCare	Ms.V.Rajalakshmi, AP/CS
2.	Adithya Vignesh V II CS Janani VII AI&DS	Bus Tracking System	Dr. P.Vinothiyalakshmi, AsP/CS
3.	Suraj V, II AI&DS	Payzer	Ms. D.Vinodha, ,AP/CS

	Sneahath P, II AI&DS Visakan N, II AI&DS		
4.	Meenakshi R, II AI&DS Akshaya M, II CS/A Swetha P, II CS	EV Charging Stations Locator using Maps	Dr. P.Vinothiyalakshmi, AsP/CS
5.	Harishri S, II CS/A Harshitha J, IICS/A Adithyarajen R, II CS/A	Smart Home Automation System	Dr.N.R.Sheela,AP/AP
6.	Lakshmi Narayanan S, II CS Kolla Mohan Rao, II CS Lokesh T, II CS	Shelter Safety	Ms. J.Buvana,AP/CS
7.	Allen Manoj, III CS/A Janani K, III CS/A	Mental Illness and Suicidal Risk Prediction using Social Media Content.	Dr.N.Rajeswari,AsP/CS
8.	Iswariya M, IV CS/A Devadharshini G, IV CS/A Illakkiya K, IV CS/A	Smart Attendance System	Mr.M.Suresh Kumar,AP/CS
9.	Sai Soorya Nagarajan IV CS/C Sanjay Kumar M, IV CS/C Vishal Pranav M T	Efficient Address Resolution Protocol for HTTPS Spoofing	Ms. S. Poorani,AP/CS
10.	Deepashree K R, IV CS/A Gokul P, IV CS/A Hemambujavalli M, IV CS/A	Safe Data Management Solution for Hospitals	Mr. M.Suresh Kumar, AP/CS
11.	Krithika Agarwal, IV ECE Sujith Sivasankaran, IV CS/C Saihari Krishnan, IV CS/C	Real-Time Virtual Input Devices	Dr.P.Geetha,AP/CS
12.	P. Karan Raj, III CS B Kishore Kumar K, III CS B Kumaresh B, III CS B	Firmland	Ms. N. Revathi, Asso. Prof./CS
13.	Karthikeyan JV, III CS B Mukesk E, III CS B Nishanth N, III CS B	Detecting Data Leaks using SQL	Ms. R. Gayathri, AP/CS
14.	Kishan M, II CS/B Jaswanth Singh, II CS/B	Identification of Secondary Microplastics using Machine Learning	Dr. P Geetha, AP/CS

Total number of abstracts:14

Total number of students: 39

Total number of mentors: 11

Department of Electrical and Electronics Engineering

S.No/ Team ID	Name of the students (UG/PG)	Title	Name of the Mentor
1.	Diwakar K S	Smart Website	Ms.K.S.Pavithra AP/ EEE
2.	Diwakar K S	Codejoy-A application with chatbot to learn coding	Ms.K.S.Pavithra AP/ EEE
3.	Harini N	Automatic light control	Ms.K Suganthi AP/ EEE
	Augustin A		
	Dafinny T		
4.	Narendran K	EOSM-Orbiter RPI Camera	Ms.S Arulmozhi, AP/ EEE
	Raghul K		
	Ramana R P		
5.	K G Dharaneesh	Voice Over Internet Protocol	Ms.N. Shanmuga vadvu , AP/ EEE
	V B Barath Baasu		
	Ashwin Karthik R		
6.	Gowrishankar S	Lithium ion Battery with protection circuit	Dr.M.Sankar AP/ EEE
	Monishsharan S		
	Lakshmi Narayanan I		
	Gowtham G		
7.	Mohammed Abdul Rahman Shahid	Interleaved Bidirectional Power Converters For Electric Vehicle Charging Station	Ms.S. Arulmozhi AP/ EEE
	Prashanth. K		
	Jaganathan. N		
8.	Samba Siva Arujuna Pandian MR	Techno-Economic Investigation Of Wind Energy Potential In A Selected Site With Uncertainty Factors	Mr. C. Venkatesan AP/EEE
	Samyuktha E G		
	Sandhya Lakshmi V		
9.	K G Dharaneesh	Wide Range VoIP	Ms.N. Shanmuga vadvu AP / EEE
	V B Barath Baasu		
	Ashwin Karthik R		
10.	Monish Kumar GS	EDUSHER	Ms.Sharon Femi P, AP/IT
	Santossh V		
	Mohamed Mansoor Ibrahim OMS		
11.	M.B.Diviya Bhavaani	Solar powered automatic plant watering system	Ms.S. Arulmozhi AP/ EEE
	Shruthi S		
	Diya Rajiv Christopher		
12.	Sabari S	Smart Door with Face Unlock	Dr. C. Kamal AP/ EEE
	Sobitha		
	Panimalar		
13.	Jayachandiran R J	DIET DEBUGGER	Ms.Sharon Femi P AP/ IT
	Hemanth T		
	Gokul Prasath G		
	Jaganathan .K	Fire Fighting Drone	Mr.Pandiarajan.M

14.	Hemanath.P		AP/ EEE
	Rahul.C		
	Dharini.K.N		
15.	Anushri M	FORESIGHT	Ms.Sharon Femi P AP/ IT
	Abinaya B		
	Akshara B.S		
16.	Kamalesh P	Paint Color blender	Ms.Sinthamani, AP/ EEE
	Gowtham G		
	Hari Hara Sudhan P		
17.	Saranya K	Adaptable solar street light	Ms.S. Arulmozhi AP/ EEE
	Manju R		
18.	Rishi Kumar D	Fuel Cell Technology For Efficient And Sustainable Power Generation	Ms.S.Anitha , AP/ EEE .
	Karthikeyan P		
	Vignesh P		
19.	M. Jaganathan	Interleaved Bidirectional Power Converters For Electric Vehicle Charging Station	Ms.S. Arulmozhi AP/ EEE
	Mohammed Abdul Rahman Shahid		
	Prashanth. K		
20.	Vinodini V S	Efficient and Sustainable Energy Storage Technology for EV Application	Dr. C. Gopinath ASP / EEE
	Srihari R		
21.	Sanjay S	Smart Highway Lighting System	Dr. C. Gopinath ASP / EEE
	Varun Vishal V		
	Vishal Khumaar J		
22.	Madhumitha.B	SMS Based Monthly Electricity Billing	Mr.ArunAbishek AP/EEE
	Poorani.B		
	Reshma.S		
23.	Gowrishankar S	Electric Vehicle Battery Energy Storage and Thermal Management	Dr.M.Sankar AP/ EEE
	Nithin S		
	Lakshmi Narayanan I		
25.	Srilayaa R T	Automatic ceiling fan speed controller	Ms.M Rajalakshmi AP/EEE
	Mohamed kaif		
	Miruthina Rashmi		

Total number of abstracts: 25

Total number of students: 66

Total number of mentors: 14

Department of Electronics and Communication Engineering

S.No. /Team ID	Year	Name of the Student	Title	Name of the Mentor
1.	ECE IV	Janani. A Keerthana. G Jerusha. G	Drowsiness Detection using Open CV	Mr. P. Muthukumaran Assistant Professor, ECE
2.	ECE III	S.Iyswarya S.Nivetha sree R.Pritha	Fuel Free Reality	Ms. L. Anju Assistant Professor, ECE
3.	ECE III	Manoj D Pranav S Karthik Rajagopal	MASS – Monitoring and Assistance System for Sewer Safety	Ms. L. Anju Assistant Professor, ECE
4.	MECH III ECE III	Bhavanesh. B Pavithra. S	Glowing LED bulb with Laser Light Source	Ms. K. Srividhya, Assistant Professor, ECE
5.	ECE II	Hariharan. G Ganeshan. H Ambrish. Y	Smart Irrigation System	Rajeswari. R Assistant Professor, ECE
6.	ECE II	Nithin. S Raghu Yogesh Prabhumanoj. S. J	Domestic Irrigation System	Sathish. N Assistant Professor, ECE
7.	ECE II	Karthikeyan. V Jeevanesh. K. L Kaviarasu. C	Obstacle Avoidance Robot	Ms. C. Gomatheeswari Preethika, Assistant Professor, ECE
8.	ECE II	Nithish P Mithun Nitheesh Rogan R	Machine Learning Based Chatbot for College Administration	Ms. S. M. Mehzabeen Assistant Professor, ECE
9.	ECE II	Vijay. K Sakthiprasaad. L Sarveshwar. V	Arduino Based Smart Home Automation System	Ms. S. M. Mehzabeen Assistant Professor, ECE
10.	ECE II	Vishnu Priya. V. T Supraja. R Sahana. B	Defense Frequency Detector	Dr. S. R. Malathi Associate Professor, ECE
11.	ECE III	Pon Sai Raam V Ragul T Rajesh Kumar R	Identification of Brain Tumor and locating the area of infection	Dr. Veluchamy. S Assistant Professor, ECE
12.	ECE III	Sribalajy. N. S Vignesh. V. M Harish	User Computer Interface	Ms. T. J. Jeyaprabha Associate Professor, ECE
13.	ECE III	Gnaneshwaran. S	Low-cost Smart Agriculture system	Dr. S. Vijayanand Assistant Professor, ECE

		Naresh. S Gokul. R		
14.	ECE III	Harihara Subramanian. B Jagan. V Santhosh Kumar. P	Ventilator using Arduino with Blood Oxygen Sensor for Covid Patients	Dr. Veluchamy. S Assistant Professor, ECE
15.	ECE II	Sanjay Lokesh A M Srinivasan Aiswarya Ssrivani M Sivadharini S	Automated Exhaust fan	Ms.M.Manimegalai Assistant Professor, ECE
16.	ECE II	Rajeshvar M Swamy Shashidar G Sreevatsav E	Alcohol Detection and Vehicle Control System	Ms. S. M. Mehzabeen Assistant Professor, ECE
17.	ECE III	Siddique Afraaz. N Sivasubramanian R Suraj S K, Ugendran R	Blockchain Voting System	Ms. T. J. Jeyaprabha Associate Professor, ECE
18.	ECE II	R.Jeevanandh Mrdulla V Naarayan, Nivetha.P	Contactless Tachometer Using 8051 Micro-Controller	Ms. S. M. Mehzabeen Assistant Professor, ECE
19.	ECE III	Prithiviraj V S Snehalatha M Shivaganapathy R	Interactive Pet Bot	Ms. K.S.Subhashini Assistant Professor, ECE
20.	ECE III	Durga G Dhivya Bharathi S Haritha G D	IoT Based Irrigation, Monitoring and Controlling System	Ms. B.Sarala Assistant Professor, ECE
21.	ECE II	Karthikeyan V Jeevanesh K L Kaviarasu C	Obstacle Avoidance Robot	C Gomatheeswari Preethika, Assistant Professor, ECE
22.	ECE II	Prasanna A, Navin kumar K, Kishore G	Simple and Smart Robotic Arm.	Ms. S. M. Mehzabeen Assistant Professor, ECE

23.	ECE-III	Saaliini.D Vishnupriya.G Uma Maheshwari.D Subhashree.B	IOT based Low-Cost Water Network Monitoring System	Dr. S. R. Malathi Associate Professor, ECE
24.	ECE-III	Nissanth. N. A Kenwin Patrick. A Kishore Kumar. T	Mobile/Web application integrated with ML Data analysis using R to calculate distance – fare in various fields	Ms. K. Srividhya, Assistant Professor, ECE
25.	ECE-III	Prasad. E Mukesh Kumar Koushik Srinivasan	Chemical Segregation by Feature Extraction using Logistic Regression	Ms. K. Srividhya, Assistant Professor, ECE

Total number of abstracts : 25

Total number of Students : 76

Total number of mentors : 15

Department of Information Technology

S.No. /Team ID	Name of the students (UG/PG)	Title	Name of the Mentor
1	DHARSHAN.V	ASSISTIVE VISION FOR THE BLIND	Dr.G.SUMATHI
	THILAKESH RAJ.A		
	MONISHKUMAR .M		
2	SUBHASHREE.S.K	A SMART FOOD ANALYZER BASED ON IMAGE CLASSIFICATION	DR.N.DEVI
	RAMLAKSHMI.C.S		
3	DEEKSHITHA.M	CUSTOMER SEGEMENTATION ANALYZER	Ms.P.SHARON FEMI
	KEERTHIKM		
	NIKKILA.GS		
4	DEEPA.H	FOOD CONTAMINATION DETECTION AND ANALYSIS FOR WOMEN SAFETY	Ms.P.SHARON FEMI
	HYAGIRIVA		
5	SRI HARI HARA SUDHAN.M	TN 234	MS.A.INDUMATHI
	SWETHA.S		
	SRINIVASAN GOKULA KRISHANAN		

6	POONAM.B.N	ENHANCEMENT OF RAIN WATER HARVESTING USING PREDICTIVE MODELS	MS.A.KALA
	KOUSHIK.K		
7	LEKHASHREE RAJESH	ORPHANAGE AMNAGEMENT SYSTEM	MS.G.SANGEETHA
	HARSHAVARDHINI.G		
	KRITHIK SAI PRASAD.P		
8	ROSHAN.S	ORGI FOR INDIA	MS.R.SAKTHEESWARI
	ROHETH.S		
	SANTHOSH.K		
9	SAI RAKSHA V	DYNAMIC TRAFFIC LIGHT MANAGEMENT SYSTEM FOR DECENTRALIZED APPROACH TO OPTIMIZE TRAFFIC ON THE RAODS	MS.N.UMA
	SAILESH BABU		
	SREEKESH DEVANTHAN		
10	KIRAN KUMAR.B	PROMOTING AND REGULATING HOMESTAY ECOSYSTEM	MS.A.INDUMATHI
	ABISHEK.K.S		
	KEERTHANA.R		
11	MEGHA VARSHA.S	SMART ATTENDANCE CAPTURING APPLICATION WITH REAL-TIME FACE RECOGNITION IN A GEO-FENCED AREA PERMITTED	MS.N.UMA
	DHANUSH KUMAR.J.R		
	GOBINATHAN.V		
12	SRIRAM.B	APPLICATION BASED ON WOMEN SAFETY"NO SAFETY,KNOW PAIN"	MS.N.UMA
	PRADEEP RAHUL.A		
	SIDDHA.S		
13	MADHAVAN.B	REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEMS	DR.K.SURESH
	AADHARSHA YADHAV.H		
	HARIHARAN.S		
14	NAVIN RAJ.R.S	IMAGE CONCEALING	MS.R.SAKTHEESWARI
	NAGARAJAN.E		
15	PRAGATHEESHWAR.S	SUCCOUR TO DIVYANG	MS.D.JAYANTHI
16	KAMALIKA.P.N.M	TRAFFIC REGULATOR & VEHICLE FINDER	MS.A.KALA
	NANTHA KUMAR.G		
	LIKESHWARAN.R		
17	ROSHINI.S	A HYBRID DEEP LEARNING INTELLIGENT MODEL FOR COLLEGE ENQUIRY CHATBOT	MS.D.JAYANTHI
	TARUN.C		
	YASHWANTHKUMAR.V		
18	SRI SHAKTHI.N.D	SMART IRRIGATION SYSTEM USING IoT	MS.M.SUGACINI
	SUJEITH KUMAR.J		

	SANTHOSH.S		
19	MAHALAKSHMI.S	KNOW IT ALL!	MS.G.SANGEETHA
	DANUSH.E.S		
	FARHEEN ALI		
20	RAMASAMY.P	IoT BASED ACCIDENT CONTROL SYSTEM.	MS.M.SUGACINI

Total number of abstracts: 20

Total number of students: 54

Total number of mentors: 11

Department of Mechanical Engineering

S.No./ Team ID	STUDENT TEAM	YEAR	TITLE	MENTOR
1.	1. Amanullah S 2. Akash K 3. Hari Prasaanth SP	IV	Digital Twinning of Robotic Arm	Dr. C. Senthamarai Kannan
2.	1.Harish Kumar. S 2.S.M. JayaShankar 3.M. NarenKumar	IV	Delivery Quadcopter	Dr M Gajendran
3.	1. S.Siddarth 2. B. Nithish Kumar 3. R. Thulasiram	IV	Quad Wheel Steering Wheel	Dr. P. Raghu
4.	1. Koushik sekar 2. Kaushik G 3. Balaji subramaniyan	IV	pneumatic corn separator	Dr. M. Gajendran
5.	1. Nitesh.K 2. Sriram.A 2. Vishal C.B	IV	Human detection system in wall mount fan	Dr. M. Gajendran
6.	1. Sudharshan.R 2. Nithish.N 3. Sri hariharan	IV	Automatic Door Edge Protection Device	Dr. S. Muniraj
7.	1.Subin R 2.Vignesh A 3.Sivaprasath 4.Vasantharagavan	III	Three-wheeler for physically challenged people	Dr. V. Sridharan
8.	1. Gokul Krishnan A 2. Bharath P 3. Akash R	II	FOETO-care	Mr. M. Arul Kumar
9.	1. Mohammed Aashiq A 2. Perundevan S 3. Justin Kiran Kumar S	II	Self-recharging E- bicycle	Mr. M. Arul Kumar

10.	1. Meer Thahir A.A. 2. Lohesh .M.V	II	Plastic Push-button Fastener and plug	Dr. C. Senthamarai Kannan
11.	J Darshan Arunachala	II	Artificial Photo synthesizer	Mr. M. Arul Kumar
12.	1. Varadharajan C N 2. Raviram R 3. Vinish U	II	Design of Passive Prosthetic Foot	Mr. M. Nishal
13.	1. Mohamed Salman M 2. Gnanamanola S 3. Gokulakrishnan K	IV	Weld inspection robot	Dr. R. Ramesh

Total number of Abstracts : 13

Total number of students : 40

Total Number of Mentors : 8

Department of Marine Engineering

S.No/ Batch	Name of the students (UG/PG)	Title	Name of the Mentor
1	Mr.S.Hariharan	Poster presentation on “Modern Treatment Strategies for Marine Pollution”	Dr M Anandan

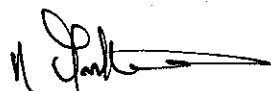
Total number of Abstracts :1

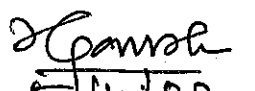
Total number of students :1

Total Number of Mentors :1

Summary of the details

S.No.	Dept	Number Abstracts received	Number of Students Participated	Number of mentors
1	AUT	4	11	4
2	BIO	36	66	11
3	CIV	12	35	12
4	CHE	4	11	3
5	CSE	14	39	11
6	ECE	25	76	15
7	EEE	25	66	14
8	INT	20	54	11
9	MEC	13	40	8
10	MAR	1	1	1
	Total	154	399	90

 5/4/2022
Dr R Muthucumaraswamy
Dean (Research)

 5/4/22
Principal
Prof.S. Ganesh Vaidyanathan, Ph.D
Principal
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur Tk-602 117.
Tamilnadu State, India.



Prize winner's in SVCE INNOVATES 2022

STUDENTS' RESEARCH DAY 2022

Annexure – IV

Date : 8/4/2022

S.No	Branch	Name of the students	Project Title	Name of the mentor	Prize details
1.	AUT	BENNETT JOSEPH D SIVASANKARAN S VENKAT P R (AIDS) SIDDHESHWAR (AI&DS) SRIRANGAN (AI&DS)	Accident Sensing and Intimation System Using ML/AI	Mr. A. BALASUBRAMANIAN Assistant Professor Dr D Vinodha Assistant Professor	First Rs. 600/-
2.	BIO	Kawya S	Preparation and quality evaluation of biscuits supplemented with vitamin B6 from Hydrilla verticillata	Dr. S. Pandi prabha Associate Professor	First Rs.600/-
3.	BIO	Udayarajan Y, Mohamed Shadir V O A	Aquarium related nitrogen reprocess	Dr. K. Vasantharaj Assistant Professor	Second Rs.400/-
4.	BIO	Madhumitha K, Mathumithaa Rao M	Hydroponics	Dr. K. Divakar Associate Professor	Third Rs.200/-
5.	CHE	K. A. Arsath Kader V. K. Vignesh	Nano-enhanced phase change material embedded rooftop tiles for improved indoor thermal comfort by passive cooling	Dr. Vishnuprasad Assistant Professor	First Rs.600/-
6.	CIV IV-Year	Rajarajan.V Siva.P Srinithyan.B Sriram R	Rehabilitation of structures using structural steel	Mrs. Ruby Freya	First Rs. 600/-
7.	CIV III-Year	Siddharth. J.U Gopinath.A Gokul.K	Tensigrity structure	Dr.R.Sathia Associate Professor	Second Rs. 400/-
8.	CIV II-Year	1.Amaravathy. U 2.Puviasasu. S 3.Jayasurya. J	Instrument to check the tile levels using sensor	Mr. Hariswaran. S	Third Rs.200/-
9.	CSE	Harishri S, II CS/A Harshitha J, IICS/A Adithyarajen R, II CS/A	Smart Home Automation System	Dr.N.R.Sheela,AP/AP	First Rs. 600/-

S.No	Branch	Name of the students	Project Title	Name of the mentor	Prize details
10.	CSE	Lakshmi Narayanan S, II CS Kolla Mohan Rao, II CS Lokesh T, II CS	Shelter Safety	Ms. J.Buvana,AP/CS	Second Rs. 400/-
11.	CSE	Kishan M, II CS/B Jaswanth Singh, II CS/B	Identification of Secondary Microplastics using Machine Learning	Dr. P Geetha, AP/CS	Third Rs.200/-
12.	ECE III-Year	Sribalajy. N. S Vignesh. V. M Harish	User Computer Interface	Ms. T. J. Jeyaprabha Associate Professor, ECE	First Rs. 600/-
13.	ECE II-Year	Nithish P Mithun Nitheesh Rogan R	Machine Learning Based Chatbot for College Administration	Ms. S. M. Mehzabeen Assistant Professor	Second Rs. 400/-
14.	ECE II-Year	Hariharan. G Ganeshan. H Ambrish. Y	Smart Irrigation System	Rajeswari. R Assistant Professor	Third Rs.200/-
15.	EEE	K G Dharaneesh V B Barath Baasu Ashwin Karthik R	Wide Range VoIP	Ms.N. Shanmugavadivu Assistant Professor	First Rs. 600/-
16.	EEE	Harini N Augustin A Dafinny T	Automatic light control	Ms.K Suganthi Assistant Professor	Second Rs. 400/-
17.	EEE	M.B.Diviya Bhavaani Shruthi S Diya Rajiv Christopher	Solar powered automatic plant watering system	Ms.S. Arulmozhi Assistant Professor	Third Rs.200/-
18.	INT	SRI HARI HARA SUDHAN.M SWETHA.S SRINIVASAN GOKULA KRISHANAN	TN 234	MS.A.INDUMATHI	First Rs. 600/-
19.	INT	DHARSHAN.V THILAKESH RAJ.A MONISHKUMAR .M	Assistive Vision for the Blind	Dr G Sumathi	Second Rs. 400/-
20.	INT	SRIRAM.B PRADEEP RAHUL.A SIDDHA.S	APPLICATION BASED ON WOMEN SAFETY"NO SAFETY,KNOW PAIN"	MS.N.UMA	Third Rs.200/-
21.	MEC III-Year	Subin R Vignesh A Sivaprasath Vasantharagavan	Three-wheeler for physically challenged people	Dr. V. Sridharan	First Rs. 600/-
22.	MEC II-Year	1. Gokul Krishnan A 2. Bharath P 3. Akash R	FOETO-care	Mr. M. Arul Kumar	Second Rs. 400/-

S.No	Branch	Name of the students	Project Title	Name of the mentor	Prize details
23.	MEC IV- Year	1. Mohamed Salman M 2. Gnanamanola S 3. Gokulakrishnan K	Weld inspection robot	Dr. R. Ramesh	Third Rs.200/-
24.	MAR	Mr.S.Hariharan	Modern Treatment Strategies for Marine Pollution	Dr M Anandan	Third Rs. 200/-
25	BIO	Sarvika PM, Shruthi V, Umadevi VH	Bioactives embedded respiratory mask against MASKNE	Dr. K.Ganesh Prasath	Third Rs. 200/-
				Total	Rs.10,000

(Rupees Ten Thousand only)

Summary

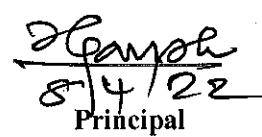
Prize details	Amount (in Rs)	Number of students Received	Total Amount (in Rs.)
First Prize	Rs. 600	9	Rs. 5400
Second Prize	Rs. 400	7	Rs. 2800
Third Prize	Rs. 200	9	Rs. 1800
		25 GT	Rs. 10,000

 8/4/2022

Dr R Muthucumaraswamy

Dean (Research)

Dr. R.Muthucumaraswamy, Ph.D.,
Dean (Research), Professor & Head
Department of Applied Mathematics
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur-602117.

 8/4/22

Principal


Prof.S. Ganesh Vaidyanathan, Ph.D
Principal
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SRI VENKATESWARA COLLEGE OF ENGINEERING
SVCE INNOVATES 2022 - STUDENTS' RESEARCH DAY

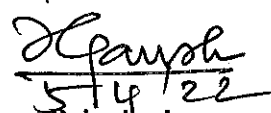
Annexure – III

List of Panel of Judges to review the Projects Date : 5/4/2022

Dept	Name of the Judge	Dept	Name of the Judge
AUT	Dr S Ponnuvel Associate Professor Department of Mechanical Engineering	ECE	Dr N Kumaratharan Professor Department of Electronics and Communication Engineering
BIO	Dr R Govindarasu Associate Professor and Dr S Vishnu Prasad, AP Department of Chemical Engineering	EEE	Dr R Karthikeyan Associate Professor Department of Electrical and Electronics Engineering
CIV	Dr M Selvakumar Associate Professor Department of Civil Engineering	INT	Dr C Jayakumar Professor Department of Computer Science and Engineering
CHE	Dr V Sumitha Associate Professor and Head Incharge Department of Biotechnology	MEC	Dr J Venkatesan Professor and Head Department of Automobile Engineering
CSE	Dr G Sumathi Professor Department of Information Technology	MAR	Dr M Prem Ananth Professor and Dep. COE Department of Mechanical Engineering


Dr R Muthucumaraswamy
Dean (Research)

Dr. R.Muthucumaraswamy, Ph.D.,
 Dean (Research), Professor & Head
 Department of Applied Mathematics
 Sri Venkateswara College of Engineering
 Pennalur, Sriperumbudur-602117.


Principal
Prof.S. Ganesh Vaidyanathan, Ph.D
Principal
 Sri Venkateswara College of Engineering
 Pennalur, Sriperumbudur Tk-602 117.
 Tamilnadu State, India.



Autonomous Institution- Affiliated to Anna University

Pennalur, Sriperumbudur - 602 117



Laplace

The Management, Staff and Students

Cordially invite you for the

VALEDICTORY FUNCTION OF

SVCE INNOVATES 2022

STUDENTS' RESEARCH DAY

Address by

Prof. R RAMESH

Dean (Academics), Professor, Department of Mechanical Engg.

SRI VENKATESWARA COLLEGE OF ENGINEERING

Venue : Seminar Hall, Dr A C Muthiah Central Library

Date and Time : 8th April 2022, 2.30 PM

ALL ARE WELCOME

<u>Time</u>	<u>Program</u>
2.30 pm – 2.35 pm	Prayer song
2.35 pm – 2.40 pm	Welcome address by Prof. R Muthucumaraswamy Dean(Research)
2.40 pm – 2.50 pm	Valedictory address by Prof R Ramesh Dean (Academics), Professor Department of Mechanical Engineering
2.50 pm – 3.05 pm	Prize distribution by Prof R Ramesh Dean (Academics)
3.05 pm – 3.10 pm	Vote of Thanks by Member of Students' Council
3.10 pm – 3.15 pm	National Anthem

Thank you



Students' Research Day (SVCE INNOVATES 2022)

REPORT

Date: 12/4/2022

'Students Research Day 2022' is an annual event, was held on the 8th April 2022 (Friday) in the Seminar Hall, Dr AC Muthiah Central Library 10.00 AM. The event held under the name "SVCE INNOVATES 2022", seeks to channelize the innovative ideas of the students and their faculty mentors in to viable projects which would enhance the research output of the college and the knowledge base of the students and the mentors.

This year, the event was organized by the office of the Dean (Research) Dr.R.Muthucumaraswamy and the UG members of the student council, additionally they were supported by the faculty coordinators from each department as mentioned in Annexure I. The initial circular, inviting the UG and PG students of the various departments of the college to submit their abstracts was released on the 5th February 2022. A copy of the initial circular is enclosed. Students were allowed to group themselves in to batches of 2 to 4 students per batch and were to be mentored by a faculty member.

The response from the students was very enthusiastic in spite of the tight academic schedule of the college. Around 154 batches of students submitted the abstracts of their ideas. The abstracts from the departments were segregated in to 10 streams.

1. Automobile Engineering
2. Biotechnology
3. Chemical Engineering
4. Civil Engineering
5. Computer Science and Engineering
6. Electrical and Electronics Engineering
7. Electronics and Communication Engineering
8. Information Technology
9. Mechanical Engineering and Marine Engineering
10. Marine Engineering

We have received **154** abstracts from all branches of Engineering; around **399** students are participated in the research competition. The number of abstracts received from each department and the corresponding number is given in Annexure II.

Ten internal judges (not from the same department) were identified to evaluate the ideas and the details are listed in Annexure III:

On 8th April 2022(Friday), after welcome address by the Dean (Research), the event was inaugurated by **Dr S P Subramaniyan**, Deputy Controller of Patents and Designs, IPR, Guindy, Chennai and our Vice-Principal preside over the function. Secretary appreciated the students who take part in research competition. He is also advised the students take part in research activities apart from academics.

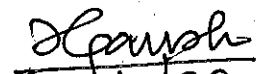
A table was provided to each of the shortlisted batches, where they put up a poster, a hardware model and a laptop for power point presentation. The experts spent more than 3 hours and examined each of the project ideas in detail. They were appreciating the ideas put up by the students and for the record recommended that prize can be given to the ideas mentioned in Annexure IV. The judges also felt that some of the ideas can be commercialized. Apart from the prize winners, participation certificates were issued to all the students. We are also distributed the certificate of appreciation to all the mentors.

The valedictory function was held in the afternoon at 2.30 PM in Seminar Hall, Dr AC Muthiah Central Library. Dean (Academics) preside over the Valedictory function to distribute the cash prizes for winners (8 first prizes, 7 second prizes and 10 third prizes) along with the certificate of appreciation for the first three places. Dean (Research) appreciated all the participants and prize winners for their active participation and suggested that these should be further pursued and converted in to patents and entrepreneurial venture.

 12/4/2022

Dr. R. Muthucumaraswamy
Dean (Research)

Dr. R. Muthucumaraswamy, Ph.D.,
Dean (Research), Professor & Head
Department of Applied Mathematics
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur-602117.


12/4/22
Principal

Prof. S. Ganesh Vaidyanathan, Ph.D
Principal
Sri Venkateswara College of Engineering
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Tamilnadu State, India.