





DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING



NEWSLETTER OCTOBER 2022 (VOL. 5, ISSUE 6)







DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CSE - BYTES

NEWSLETTER
ACADEMIC YEAR: 2022-2023
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(OCT'2022)





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ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 1985. Over the past few years, the department has acquired national and international importance. This has been achieved by the collective and responsive effort of the faculty, the supporting staff and the students. The department is well equipped with excellent computing facilities, and has highly qualified faculty specialized in areas like Cloud Computing, Artificial Intelligence, Machine Learning, Data Analytics, Cyber Security, Networking, Data Mining etc.

Programmes offered:

- B.E. Computer Science and Engineering
- B.Tech. Artificial Intelligence and Data Science
- M.E. Computer Science and Engineering
- Ph.D. Computer Science and Engineering





ABOUT THE DEPARTMENT

VISION

• To excel in providing education and research in the field of computer science and engineering in the cutting edge technology so as to produce competence professional at global level.

MISSION

- Competent and trained faculty enriching the aptitude of the student to generate innovative and effective problem solving skills with professionalism
- Providing strong research and state of the art facility to the students to face dynamic challenges of industry and society
- Educating the students to be successful, ethical and lifelong learners





MESSAGE FROM HOD

Dr. R. Anitha



I would like to express my sincere appreciation for all the tremendous efforts put forth by the newsletter team in the month of October 2022. This Newsletter 'CSE - BYTES' is a forum to expose the events, happenings, and achievements in the department as well as provide a platform to exhibit the talents of the budding engineers and the faculty as well.

This newsletter will definitely create an impact in the minds of readers by providing a wider visibility and new dimension to the learning community. I hope that this culture of releasing newsletter will continue forever with the support from both the students and the faculty.



Achievements of the second of







TECHNICAL EVENTS

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 *3rd place* with a cash prize of Rs.20,000 in 72-hour long triathlon conducted by Vivekananda Global University, Jaipur.

The participants have to build a project that utilizes AI/ML /AGRITECH. Out of 200 teams from different parts of the country, it's proud that our students were among the *Top 3 teams*.







GLIMPSES OF TRIATHLON



TRIATHLON STUDENT'S AWARDS & CERTIFICATES



TECHNICAL EVENTS

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.

More than 150 teams registered by submitting abstracts out of which 20 teams were selected for the final round. The team made an AI based Smart Classroom project which includes Smart Attendance, emotional analysis, posture analysis, drowsiness detection of students and summarisation of teachers' lectures.

There were three rounds of judging and our module won first place and was honoured with the certificates and cash prize of Rs.5000.







GLIMPSES OF HACKATHON



HACK IN HUB'22 STUDENT'S AWARDS & CERTIFICATES





TECHNICAL EVENTS

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.



HACKATHON'22 STUDENT'S AWARDS & CERTIFICATES





STUDENT ACHIEVEMENTS

TECHNICAL EVENTS

Ms.MADHUMITHA R, Mr.MAVRESH, III year CSE, won in "QUIZ ON CYBER SECURITY" at SIMATS: Saveetha School of Engineering 31/10/2022.



QUIZ ON CYBER SECURITY STUDENT'S CERTIFICATE











PLACEMENT ACTIVITIES

PLACEMENT TRAINING

OBJECTIVE:

- To create awareness about "career planning" and "career mapping" among the students.
- To train the students on "Technical skills".

OUTCOMES:

The students will be able to

- gain good technical skills
- face the interview confidently
- start their career in leading companies

TRAINING PROVIDED BY: "CSE Faculties"

PARTICIPANTS: Third year students of CS and AD

DATE: 01.10.2022 to 31.10.2022





PLACEMENT ACTIVITIES

GLIMPSES OF PLACEMENT TRAINING



PLACEMENT TRAINING SESSIONS











CLUB EVENTS

HACKERRUPT'22 - ACE

Mr. K. Srinivasan, AP/CSE, Ms. G. Janakasudha, AP/CSE, Ms. A. Ajoe Sweetlin Jeena, AP/CSE, organized a 24 hour inter-college hackathon - Hackerrupt'22, at GUVI GEEK NETWORK PRIVATE LIMITED, IIT Madras Research Park, Chennai on 8/10/2022 and 9/10/2022.

Objectives:

• To create a proof of concept for the ideas to make a workable software or an application by the end of the event with time bound innovations.

Outcomes:

- Students will be creating potential start-up in implementation
- Exploring new technologies with analyzing data to make predictions
- Creating a business model to get hired with attractive investors

Participants count: 57 (Students from various Engineering Colleges

Venue:

Guvi Geek Network Pvt. Ltd., IITM Research Park, Chennai.





CLUB EVENTS

GLIMPSES OF HACKERRUPT'22



HACKERRUPT'22 INVITATION





CLUB EVENTS

GLIMPSES OF HACKERRUPT'22



ORGANIZING TEAM OF HACKERRUPT'22



FIRST PLACE WINNERS-TECH PHANTOMS









ALUMNI PARTICIPATION

Mr. Shyam Rajan, Co-Founder and CEO at VyVoxel, Bengaluru, Karnataka, India (Alumni of SVCE: 1985-1989, CSE) and Shyamsundar Krishnamurthi SMC Chief Customer Officer vy.ventures | Visionary | Client Engagement Santa Clara, California, United States (Alumni of SVCE: 1985-1989, ECE) acted as resource person for the "Guest Lecture on Augmented Reality and Virtual Reality" held on 15.10.2022.

Dr. R. Anitha, Prof & HoD/CSE, Ms. S. Rajalakshmi, AP/CSE and Ms. J. Buvana, AP/CSE organized the program. 18 faculty members and 4 supporting staff attended.



PRESENTATION BY MR. MR. SHYAM RAJAN ALUMNI OF SVCE: 1985-1989, CSE





ALUMNI PARTICIPATION

The following Alumni acted as Judges and Mentors in the 24 hour inter-college hackathon - Hackerrupt'22, at GUVI GEEK NETWORK PRIVATE LIMITED, IIT Madras Research Park, Chennai on 8/10/2022 and 9/10/2022.

- 1. Mr. Damodharan G, Member Leadership Staff, Zoho Corp. (2014 batch)
- 2. Mr. Adithya M, Member Technical Staff, Zoho Corp. (2016 batch)
- 3. Mr. Sathvik Manikandan, Data Scientist, SolarWinds. (2019 batch)
- 4. Mr. Aravind G, Senior Software Engineer, Ernst & Young. (2019 batch)
- 5. Mr. Arjun Aravind, Software Engineer, CMR Surgical, UK. (2020 batch)
- 6. Mr. Shravan Dheep R, ML Engineer, Mad Street Den. (2020 batch)
- 7. Ms. Subhiksha D, Software Engineer, Mad Street Den. (2020 batch)
- 8. Mr. Barath G, Software Engineer, Mad Street Den. (2021 batch)
- 9. Mr. Yuvaraj J, Software Engineer, Ajira Tech. (2021 batch)
- 10. Mr. Shriram S G, Software Engineer, Ajira Tech. (2021 batch)
- 11. Mr. Soorya Prakash, Software Engineer, Navis. (2021 batch)
- 12. Mr. Pradeep S, Product Engineer, GoXai. (2022 batch)
- 13. Mr. Surajram S, Software Engineer, EmbedUR Systems. (2022 batch)
- 14. Mr. Krishnan S, Software Engineer, Applied Data Finance. (2022 batch)
- 15. Mr. Tharun Raj B, Sourcing Associate, Hays NZ (2018 batch)





ALUMNI PARTICIPATION

GLIMPSES OF HACKERRUPT'22













PRESENTING MOMENTOS TO THE MENTORS AND JUDGES







Faculty Ineteractions Ineteractions Fachievements





EVENTS ORGANIZED

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.

Objective:

 To give the idea for understanding the concepts of classification algorithms in real-time based on supervised and unsupervised learning and to enhance the methodology of using it in various domains.

Outcomes:

After the completion of a workshop, the participants:

- Understood the concepts of Classifier Models and recent applications of these machine learning algorithms in various domains.
- Explored the applications of Naive Bayes in real-world scenarios.

Participants count: 101 (Faculty Members, Research Scholars, Students)

Speaker:

Dr. R.M. Bhavadharini

Associate Professor,

School of Computer Science and Engineering,

VIT, Chennai.

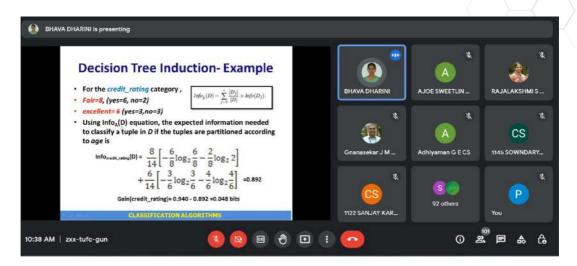




GLIMPSES OF CLASSIFIER MODELS IN DATA MINING WORKSHOP



CLASSIFIER MODELS IN DATA MINING WORKSHOP INIVITATION



TECHNICAL SESSION ON CLASSIFIER MODELS IN DATA MINING WORKSHOP

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FACULTY INTERACTIONS

EVENTS ORGANIZED

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.

Objective:

• To give the idea for looking at security risks of everyday IoT devices around your home and exploring what learnings can be implemented in an office environment.

Outcomes:

- Understood the concepts of IoT, Cloud and security issues in IoTC.
- Explored the applications of cyber security in real world scenario.
- Carrier opportunities in the field of cyber security is identified.

Participants count: 56 (Faculty members and Supporting staff)

Speakers:

Dr. C. U. Om Kumar,

Assistant Professor,

School of Computer Science and Engineering,

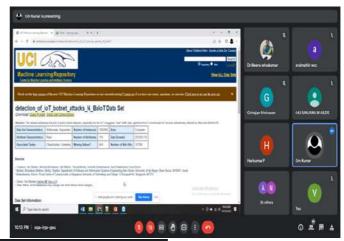
Vellore Institute of Technology,

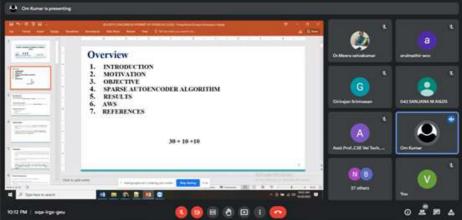
Chennai





GLIMPSES OF SECURITY CONCERNS IN INTERNET OF THINGS IN CLOUD (IOTC) GUEST LECTURE







TECHNICAL SESSION ON SECURITY CONCERNS IN INTERNET OF THINGS IN CLOUD (IOTC) WORKSHOP





Events Attended

Dr. R. Anitha, Prof & HoD/CSE, Dr. P. Janarthanan, ASP/CSE, Dr. N. Revathi, ASP/CSE, Dr. P. Vinothiyalakshmi, ASP/CSE, Dr. T. Rajasekaran, ASP/CSE, Dr. B. Praveen Kumar, ASP/CSE, Mr. K. Srinivasan, AP/CSE, Ms. V. Rajalakshmi, ASP/CSE, Ms. G. Janakasudha, AP/CSE, Ms. R. Gayathri, AP/CSE, Dr. T. Padmavathy, AP/CSE, Ms. S. Rajalakshmi, ASP/CSE, Ms. J. Buvana, AP/CSE, Ms. S. Poorani, AP/CSE, Dr P Geetha, AP/CSE, Ms. S. U. Muthunagai, AP/CSE, Ms. R. Iyswarya, AP/CSE, Mr. R. SenthilKumar, AP/CSE, Mr. P. Selvamani, AP/CSE, Dr. Girija M S, AP/CSE, Ms. V. Radha, AP/CSE, Ms. Rupa Kesavan, AP/CSE, Ms. R. K. Kapila Vani, AP/CSE, Ms. S. Yuvaprabha, AP/CSE, Ms. E. Kiruthiga, AP/CSE, Mr. S. D. Nanda Kumar, AP/CSE, Ms. P. Uma, AP/CSE, Ms Shobhanjaly P. Nair, AP/CSE, Mr. M. Lakshmanan, AP/CSE, Ms. R. Poorni, AP/CSE, Mr. A. S. Vibith, AP/CSE has attended one day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.

Dr. R. Anitha has attended 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.

Dr. R. Anitha has attended Two-day Workshop on "EAT, TSA, GNA & SNA in PFMS E-Governance" conducted by SVCE on 31.10.22 & 01.11.2022.

Dr. R. Jayabhaduri, Professor/CSE, has participated in 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 Tauk, Thiruvallur District – 601206 during October 28,2022 and October 29,2022.





Events Attended

Dr. N. Revathi, ASP/CSE, has attended a two-day workshop on "EAT, TSA, CNA & SNA IN PFMS E-GOVERNANCE" held at SVCE on 31st Oct 2022 and 1st November 2022.

Dr. N. Revathi, ASP/CSE, has attended a 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.

Dr P Vinothiyalakshmi, ASP/CSE, has attended a Two-day Workshop on "Classifier Models in Data Mining", held from 28/10/22 to 29/10/2022, Sri Venkateswara College of Engineering, Chennai.

- Dr. T. Rajasekaran, ASP/CSE of Sri Venkateswara College of Engineering has participated in the 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 & ML organized by Wipro Talentnext during 31-10-2022 to 04-11-2022
- Dr. B. Praveen Kumar, ASP/CSE, has participated in the 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.





Events Attended

Mr. K. Srinivasan, AP/CSE attended 5 Day FDP on "Cloud Essentials" at Anna University, Chennai from 8.10.2022 to 12.10.2022.

Ms.V.Rajalakshmi, ASP/CS attended Workshop on "Walk through from AI and ML" at Sri Venkateswara College of Engineering from 26.10.2022 to 29.10.2022.

Ms. R. Gayathri, AP/CSE, has attended a 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.

Ms. S. Rajalakshmi, ASP/CSE, has attended 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.

Ms. J. Buvana, AP/CSE, has attended 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.

Ms. T. Padmavathy, AP/CSE, attended 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.





Events Attended

Mr. S. D. Nanda Kumar, AP/CSE has attended 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.

Ms. P. Uma, AP/CSE attended Two-day Technical Workshop on "Classifier Models in Data Mining" at Sri Venkateswara College of Engineering from 28.10.2022 to 29.10.2022

Ms Shobhanjaly P Nair, AP/CSE, attended 2 days Online workshop on "Classifier Models in Data Mining" on 28th and 29th ,October, 2022 at Sri Venkateswara College of Engineering.

Ms Shobhanjaly P Nair, AP/CSE, One day webinar on "Blockchain Technology" organized by Oracle Academy on 13.10.2022.

Ms Shobhanjaly P Nair, AP/CSE, One day Webinar on "Security Concerns in Internet of Things in Cloud(IoTC) at at Sri Venkateswara College of Engineering on 20.10.2022.

Mr. Lakshmanan M, AP/CSE has attended FDP organized by Intellectual Property Office, India on "National Intellectual Property Awareness Mission" on 11/10/2022.

Mr. Lakshmanan M, AP/CSE has attended Two days Workshop on "Classifier models in data mining" on 28/10/2022 – 29/10/2022.



FACULTY INTERACTIONS

Events Attended

Ms. R. Poorni, AP/CSE, attended FDP organized by Intellectual Property Office, India on "National Intellectual Property Awareness Mission" on 11/10/2022.

Ms. R. Poorni, AP/CSE, attended Guest lecture on "Security Concerns in Internet of Things in Cloud (IoTC)" on 20/10/2022.

Mr. A. S. Vibith AP/CSE, Attended Two days Workshop on "Classifier models in datamining" on 28/10/2022 – 29/10/2022.

Mr. R. Gnanavel, AP/CSE, attended one day workshop on "Curriculum Design", organized at Sri Venkateswara College of Engineering on 18.10.2022.







FACULTY ACHIEVEMENTS

Dr. R. Anitha, Prof & HoD/CSE – Member, Board of Studies Meeting of the Department of Computer Science and Engineering (B.E- CSE & B.Tech-AIDS), S.A.Engineering College as a University Nominee conducted on 12.10.2022.

Dr. R. Anitha, Prof & HoD/CSE – Member, Board of Studies Meeting of the Department of Computer Science and Engineering (B.E-CSE & B.Tech-AIDS), Panimalar Engineering College as a Subject Expert on 10.10.2022.

Ms. V. Radha, AP/CSE completed a module 4 Instructional Planning and Delivery online course in NITTT from 01st Oct to 30th Nov.

Ms. V. Radha, AP/CSE completed a module 5 Technology Enabled and lifelong self-Learning online course in NITTT from 01st Oct to 30th Nov





RESEARCH ACTIVIES ACTIVIES





RESEARCH ACTIVITIES

RESEARCH SUPERVISORS



DR. R.ANITHA, PROF & HOD - CSE



DR. J.M.GNANASEKAR, PROF - CSE



DR. N.RAJGANESH, ASP - CSE



DR. P. VINOTHIYALAKSHMI, ASP - CSE





RESEARCH ACTIVITIES

FUNDED PROJECTS APPLIED

SI. No.	Name of the Faculty / Student	Funding Agency	Research topic	Amount
1	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 X- ray Images during COVID-19	Rs.10000





RESEARCH ACTIVITIES

RESEARCH PUBICATIONS

Dr. T. Padmavathy, Dr. C. Muralidharan, Dr. Y.Mohamed Sirajudeen, 'Cloud based Industrial IoT Infrastructure to facilitate Efficient Data Analytics', "Cloud Analytics for Industry 4.0: Issues, Challenges and Applications", De Gruyter, 2022, Vol.6, pp.31-51.

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





RESEARCH ACTIVITIES

CONSULTANCY

Dr. R. Anitha, Prof & HoD/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

Name of Dept.	Client Organization	Title of Consultancy project	Amount (in Rs.)
CSE	CAMEO Consultancy services	Document Tagging, CTS and NACH	2.50 Lakhs





RESEARCH ACTIVITIES

FOREIGN DELEGATES VISIT

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



LECTURE ON "AUGMENTED REALITY AND VIRTUAL REALITY"





