SRI VENKATESWARA COLLEGE OF ENGINEERING

CSe Bytes

NEWSLETTER
ACADEMIC YEAR: 2022 - 2023
(VOL. 5, ISSUE 3)

DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING

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CSE-BYTES

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VOLUME 5, ISSUE 3
(JULY 2022)

CSE-BYTES

Contents

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, Data Analytics, Networking, Data Mining etc.

Programmes offered by the department are

- 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

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1

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 July 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.

It also helps in building up teamwork among the students, which is very much important in this competitive world. I hope the students can make use of this opportunity to develop their inherent talents and actively contribute the same to the newsletter.

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.

Student
Achievements

STUDENT ACHIEVEMENTS

Ms. V. Janani, II/AD has participated in 24 hour event - Yet Another Hackathon '22 organized by SVCE ACM Student Chapter at Sri Venkateswara College of Engineering on 30/07/2022 and 31/07/2022.

Mr. Divyamsh B, II/AD has participated in 24 hour event - Yet Another Hackathon '22 organized by SVCE ACM Student Chapter at Sri Venkateswara College of Engineering on 30/07/2022 and 31/07/2022.

Mr. Lakshmi Narayanan and Mr. Karthik Ram G, II/CS has participated in 24 hour event - Yet Another Hackathon '22 organized by SVCE ACM Student Chapter at Sri Venkateswara College of Engineering on 30/07/2022 and 31/07/2022.

Club
Events

Association of Computing Machinery (ACM)

Co-ordinators
Dr.R.Anitha, Prof & Head/CSE, Dr. T.Rajasekaran, Assoc. Prof/CSE and
Dr. D. Vinodha, AP/CSE

ACM organized "Yet Another Hackathon", with the judging panel of Udayasankar Hariharan, Lead Engineer, Shravan Dheep R, Senior Machine Learning Engineer, Madhu Nisha N, Senior Engineer, Roshini Bhandari and Aishwaria Sterling James, people operations from Mad Street Den, on 30th and 31st of July, 2022

The participants of the 24-hour Hackathon were selected based on an abstract they submitted, describing their problem and solution based on the given domains. The Hackathon commenced at 11AM, at the placement cell of Sri Venkateswara College of Engineering, Sriperumbudur.

As an initiative of the W-Wing of the SVCE ACM Student Chapter, in order to encourage more women to participate, an INR 150/- discount on the registration fee was given to each woman participant who were a part of an all woman team

A total of INR 70,000/- was given away as prize money for all the winners of the event.

The first place went to Team Latency Zero
Team Cheems, was awarded the second place
The third place was awarded to Team Acci Care

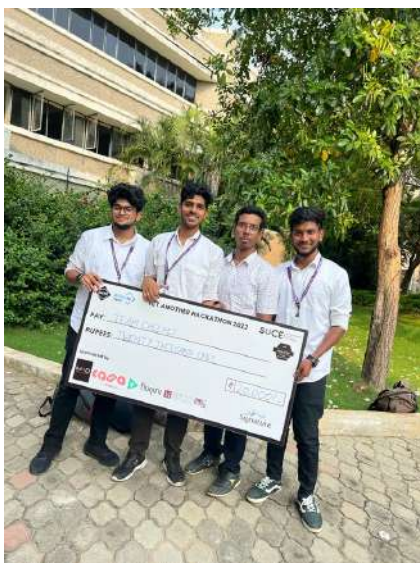# Association of Computing Machinery (ACM)

Four teams were given special mention awards based on certain aspects of their solution that made them stand out, the teams listed below were given INR 2500/-

Best UI/UX design which was awarded to penta five

Best sophomore which was awarded to tech buddies

Best social impact which was awarded to Acci Care

Best startup idea which was awarded to Yet Another Team

Glimpse of YAH'22

C2C - COMPETE TO COMPUTE

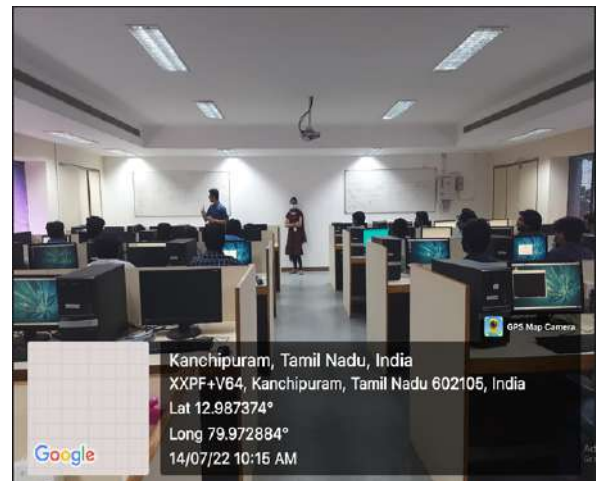**Co-ordinators**
Dr. P. Vinothiyalakshmi, Assoc. Prof. /CSE, Mr. P. Selvamani, AP/CSE.

C2C club organized an event "Class Room Program" on 14/07/2022 to First year students on topic "Object Oriented programming Concepts".

C2C club organized an event "Class Room Program" on 19/07/2022 to First year students on topic "Probability and Queueing Theory"

Faculty Participation & Achievements

FACULTY PARTICIPATION

Dr. B. Praveen Kumar Assoc. Prof./ CSE, Ms. R. Iyswarya, Asst.Prof/ CSE, Ms. Radha V, Asst.Prof/ CSE, had attended five days FDP on " Application of Machine learning Algorithms in Aerospace Engineering" from 11/07/2022 to 15/07/2022 at Bharath Institute of Higher Education and Research, Chennai.

Ms. Rupa Kesavan, AP/CSE attended 5 Days FDP sponsored by "School of Aeronautical Aerospace Engineering" On "Application of Machine learning algorithms in Aerospace Engineering" hosted by "Bharath Institute of Higher Education and Research Centre -Chennai from 11 th - July-2022 To 15th - July 2022.

Ms. Radha V, Asst.Prof/ CSE, attended 5 Days FDP sponsored by "School of Aeronautical Aerospace Engineering" On "Application of Machine learning algorithms in Aerospace Engineering" hosted by "Bharath Institute of Higher Education and Research Center - Chennai from 11th- July-2022 To 15th- July 2022

Ms. Radha V, Asst.Prof/ CS, attended Government of India, Ministry of Education -AICTE sponsored 2 days National level, IIC: Mentor -Mentee workshop Organized by Institution's Innovation Council (IC201810371-IIC- SVCE) on 16th and 17th June 2022.

Dr. P. Geetha, AP/CSE attended CSI Sponsored FDP on "Exploring Augmented Reality / Virtual Reality using Unity Tool" from 11.07.22 to 15.07.22.

Dr. Geetha P, AP/CSE, Attended a Five days' FDP on "Cyber Security and Block chain Technologies", held from 25/07/2022 to 29/07/2022, Amity Institute of Information Technology, Amity University, Kolkata

Ms. Kapilavani, AP/CSE attended CSI Sponsored FDP on "Exploring Augmented Reality / Virtual Reality using Unity Tool" from 11.07.22 to 15.07.22.

Mr. Kapilavani, AP/CSE, attended a Five days' FDP on "Cyber Security and Block chain Technologies", held from 25/07/2022 to 29/07/2022, Amity Institute of Information Technology, Amity University, Kolkata

FACULTY ACHIEVEMENTS

Dr.R.Anitha, Prof.& HoD/CSE, Acted as a Resource person in the FDP "Applications of Machine Learning Algorithms in Aerospace Engineering topic- Unsupervised Learning on 13 July 2022, at Bharath Institute of Technology

Dr.P.Janarthanan, Associate Professor/CSE ccted 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

Dr.R.Jayabhaduri, Associate Professor/CSE, delivered a guest lecture on "Best Practices in Machine Learning" for the Faculty Development Program "Application of Machine Learning Algorithms in Aerospace Engineering" organized by the School of Aeronautical Engineering, Bharath Institute of Higher Education and Research (BIHER), Chennai on 14/07/2022

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

Ms. T. Padmavathy (Reg. No: 1624499254), AP/CSE defended her thesis titled, "Efficient Categorization, Placement and Migration of Virtual Machines in Cloud SDN Environment" on 21st July 2022 by 2.15 PM in online mode, under the guidance of Dr. R. Anitha, Prof and HOD/CSE.

RESEARCH ACTIVITIES

RESEARCH SUPERVISORS

Dr. R.Anitha

Dr. J.M.Gnanasekar

Dr. N.Rajganesh

Dr. N.Rajeswari

RESEARCH ACTIVITIES

Pre Confirmation Seminar

Dr. J. M. Gnanasekar, Prof/CSE conducted pre-confirmation seminar presentation of his research scholar, Mrs. Vijayalakshmi. R (Reg No: 21224991495) on 08.07.2022 (Friday)

PUBLICATIONS

Dr. Balamurugan, N.M, Asso. Prof / CSE published a paper title, "A Novel Method for Improved Network Traffic Prediction Using Enhanced Deep Reinforcement Learning Algorithm". Sensors 2022, 22, 5006. Impact Factor: 3.847 (SCI indexed) https://doi.org/10.3390/s22135006

Ms. V. Rajalakshmi, AP/CSE and Dr. S. Ganesh Vaidyanathan, Principal/ SVCE published a paper titled, "Hybrid time series forecasting models for traffic flow prediction", Promet - Traffic & Transportation, Vol. 34, No.4, pp. 537-549, 2022.

Ms. Rupa Kesavan, AP/CSE published a paper titled "A Case Study on Renewable Energy Sources, Power Demand, and Policies in the States of South India" in Development of a Thermoelectric Model, Sustainability in July 2022, 14(14), https://doi.org/10.3390/su14148882 , Impact factor (3.251)

PATENT PUBLICATIONS

Dr. Geetha, AP/CSE and Ms R K Kapilavani, AP/CSE, have published a patent titled "Real Time Agriculture Field Monitoring System Using IOT", in IPR Chennai.

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202241020381 A
(19) INDIA	
(22) Date of filing of Application :05/04/2022	(43) Publication Date : 15/04/2022

(54) Title of the invention : Real Time Agriculture Field Monitoring System Using IOT

(71)Name of Applicant :
1)China Raju Manda
   Address of Applicant :Assistant Professor (contract) / ECE, JNTU Gurujada Vizianagaram, Viziangaram – 535003. ----------- -----------
2)Dr .P Geetha
3)Ms. R K Kapilavani
4)Dr. V.Chelladurai
5)P.Malathi
6)T.Manochandar
7)Mr. Kannadasan B

Ms.T.Padmavathy, Ms. S. Janani, AP/CSE published a patent (Application No. 202241040139) titled "IoT-driven AI Inference System for Home Energy Management System in Smart Cities" on 22.7.2022

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202241040139 A
(19) INDIA	
(22) Date of filing of Application :13/07/2022	(43) Publication Date : 22/07/2022

(54) Title of the invention : IoT-driven AI Inference System for Home Energy Management System in Smart Cities

(71)Name of Applicant :
1)Mr K.Prabu, Galgotias University
   Address of Applicant :Assistant Professor, School of Computing Science and Engineering, Galgotias University, Greater Noida, Gautam Buddha Nagar- Uttar Pradesh-201310 k.prabu@galgotiasuni ----------- -----------
2)Ms.T.Padmavathy, Sri Venkateswara College of Engineering
3)Ms.S. Janani, Sri Venkateswara College of Engineering
4)Dr.V.Vignaraj Ananth, HCL Technologies
5)Ms. Jayabharathi R, RMK College of Engineering and Technology
6)Mr. Arunkumar Palanichamy, Wallnut Technologies.
7)Ms. A. Abinaya, Prathyusha Engineering College
8)Mr. Peerzada Hamid Ahmad, Galgotias University
9)Dr.T.Manikandan, Galgotias University

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

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