VELAMMAL

INSITUTE OF TECHNOLOGY

Approved by AICTE, Affiliated to Anna University & Accredited by NAAC

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PIPELINE

Newsletter

2019-2020(EVEN SEMESTER)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION OF THE INSTITUTE

To be a leader in imparting quality technical education, research and enterprising skills in pursuit of professional excellence.

MISSION OF THE INSTITUTE

1. To promote quality education and technical skills to meet the industry requirements.
2. To incorporate team work, leadership skills and lifelong learning.
3. To facilitate career development and higher education assistance.
4. To encourage innovative ideas for research and development and entrepreneurship for societal needs.
5. To inculcate ethical responsibility & human values.

VISION OF THE DEPARTMENT

To create successful engineers with technical competency and innovative ideas in the field of Computer Science and Engineering.

MISSION OF THE DEPARTMENT

1. To achieve academic excellence through effective teaching-learning process to meet the demands of the industry.
2. To equip students to face the challenges in the field of Computer Science and Engineering and prepare them as responsible engineers with human values.
3. To enrich students with required skills for employability, entrepreneurship and pursuing higher studies.
4. To encourage the students to implement innovative ideas for research and development.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates of Computer Science and Engineering Program will

1. Achieve a successful profession with good knowledge in Computer Science and Engineering to meet the demands of industry.
2. Become morally responsible engineers and contribute to the betterment of society.
3. Possess required skills and leadership qualities which will make them to be a continuous learner.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9.   **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long learning**: Recognize the need for, and have the preparation and ability to engage independent and life-long learning in the broadest context of technological change

INTERNATIONAL CONFERENCE

International Conference on Research Advancements & Challenges in Engineering Science (ICRACE'20). 6th and 7th March 2020 Organised by Department of CSE /ECE /EEE /IT/ MECH/ S&H.

GUEST LECTURES

Computer Science Department organized seminar on " " of Internet Programming for III Year CSE Students of 2017-2021 batch Students, delivered by **Dr. Thanga ramya Associate Professor, Department of Information Technology, R. M. D Engineering College,** Chennai. as on 26.02.2020.

Computer Science Department organised seminar on "Dynamic Programming " in Design and Analysis of Algorithm for II Year CSE Students of 2018-2022 batch, delivered by **Dr. D. Rajalakshmi Assistant Professor, Department of Computer Science & Engineering, Velammal Engineering College**, Chennai. as on 27.02.2020.

SEMINARS/WORKSHOPS/COMPETITION

2 days hands-on workshop in Deep learning Handled by Dr.Arun Nehru Asst professor (sr.G) & Mr.HAnwar basha, Asst professor SRM institute of technology, vadapalani campus

Teams identified for Smart India Hackathon nomination 2020 Internal Hackathon for SIH (Smart India Hackathon) 2020 was held at Velammal Institute of Technology. More than 45 projects were reviewed by the experts Dr.D.Paulraj Professor and HOD, RMKCET & Mr.M.Yogeesh Kumar, Tech Lead, L&T Infotech.

Presidential address given by Principal Dr.S Soundararajan.

Felicitation address given by adviser Shri Rasak sir.

Program coordinated by Dr.V.P.Gladis Pushparathi .

TRAINING PROGRAM

Mr. P.Kartheeshwaran.P, Web Developer, ZOHO Corporation, had delivered a session on "How to prepare for Core Companies in IT Industry? For III year CSE students from 1.30 pm to 3.00 pm on 11.01.20.

Mr. D.Sai Vignesh, QAE, AMAZON,INC., had delivered a lecture on "Automation Testing Using Selenium" for III year CSE students from 10.30 am to 12.00 pm on 11.01.20. He had a hands-on session about the Selenium automation tool.

Department of CSE & IT organizes Guest Lecture on "Challenges in Big data with Hand on Training " III Year Students on 09-01-2020. Delivered by Mr. Narasimhulu. U, Assistant Vice President , Ramanujan IT City.....

#Bigdata #velammal #CSE #IT #Seminar #Training

INDUSTRIAL VISIT

Industrial visit for II year CSE (B Sec) students at Dell India at , Sriperumbudur, Kancheepuram visited on 28.02.20.

 Industrial visit for II year CSE (A Sec) students at Dell India at , Sriperumbudur, Kancheepuram visited on <mark>28.02.20.</mark>

Industrial visit for III year CSE (A Sec) students at Dell India at , Sriperumbudur, Kancheepuram visited on <mark>28.02.20.</mark>

Industrial visit for III year CSE (B Sec) students at Dell India at , Sriperumbudur, Kancheepuram visited on <mark>28.02.20.</mark>

FACULTY ACHIEVEMENTS

NPTEL CERTIFICATION:

Name of staff	Certified course	Month and Year

FACULTY JOURNAL PUBLICATIONS

S.No	Name of the Faculty	Title of the Paper	Journal Name	Publication Month/Year
1				

STUDENTS JOURNAL

Third year CSE students of our institution attended and presented their research papers in the 2nd International Conference on Computer Networks, Big Data and IoT (ICCBI 2019). The conference proceedings will be published in Springer book series. The institution and management congratulate the students, their mentor Dr. D.VENKATA SUBRAMANIAN, Adjunct Professor and HOD-CSE, Dr. R.Sugumar. We expect more such awards and laurels for the institutions. Kudos to the following students: K.MANEESH, V.MANOJ, A.VENKAT KISHORE, N.DHIPIKHA, S.KAVITHA, R.VINOTHINI, A HARSHA ANCHALIYA.

STUDENTS -EXTRA CURRICULAR ACTIVITIES

Velammal Institute of Technology conducted department football match on 27.2.20 CSE Vs MECH. Final match won by MECH students against CSE students.

Velammal Institute of Technology as the NCC wing of our college is rejoicing the THIRD CONSECUTIVE TREE PLANTATION ceremony in our esteemed institute. Our college taken a conservative initiative in planting a number of trees in our campus, that include PUNGAI and ILLUPAI, a few to mention. These trees are environmentally so beneficial as they're extremely important in the production of oxygen and abundantly responsible for its biochemical demands in the market of pharmacology, as it's globally proven, seconding bamboo in environmental preservation.(23-02-20)

Awareness Programme on Corona Virus

Prof. B. Balamurugan, Head - S&H, Velammal Institute of Technology created awareness on corona virus among the students. He elaborated the nature of the virus and its infection on human beings. He enlisted the Dos and Don'ts to be followed by everyone in order to be safe from this epidemic viral disease.(17-02-20)(NSS)

Students of CSE Department enthusiastically participated in tree plantation during activity hours on 10.2.2020(Monday).

Republic Day Celebration @ Velammal Institute of Technology, Panchetti. Happy Republic Day to all...(26-01-20)

EDITORIAL BOARD

Dr. R.SUGUMAR

(Professor/HOD)

Ms. R.CHITRA

(Assistant Professor)

Mr Jeyaguru

(IV yr CSE)

Ms Adithya

(IV yr CSE)

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