



# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

(A Unit of Sri Manakula Vinayagar Group of Educational Institutions)

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*Greeting from  
Department of Computer Science and Engineering*

# CAPTCHA

## CSE NEWSLETTER



One day workshop on "SAP ABAP" by Mr.Ramkumar, Software Engineer Developer, DXC Technology, Bangalore for Third year Students on 4th June 2022.

**Educate ~ Empower ~ Excel**

## **INTRODUCTION**

It is with immense pleasure and proud, we are releasing the Third Issue of our department newsletter. This newsletter serves as a better forum and platform for showcasing the talents and achievements of both faculty and students. It carries the daily activities, news and important updates of the department. We assure you that this newsletter will be a new of its kind which portrays the growth of the CSE department in various fields.

## **ABOUT THE DEPARTMENT**

The Department was started with an intake of 60 students in 2008; the sanctioned intake was increased to 120 seats in 2010. The Department of Computer Science and Engineering has been continuously making progress in Teaching and R & D activities. The Department focuses on preparing the students for wide range of IT careers equipping them with unique enriching experience of molding tomorrow's technocrats with high caliber and commitment.

The Department is well equipped with 180 Computer Systems with latest configuration and also has a separate Department Library with Latest Titles, Editions, Journals, Magazines and also connected with Internet Facility. The Department organizes Seminars, Workshops and Guest lectures to enhance the Technical Skills of the students, so that they can face global competition.

The Department has entered into MoU with IBM NIIT, CMC, Blue Lotus, RIPE, Innovative Services for software training and Faculty Development Programs, besides R&D activities. The Students of the Department have brought out quite number of innovative projects such as Biometrics, MANET etc. The software team of the Department has made laudable contribution by developing software for campus management, attendance help line and on-line test. Many of the students are well placed in leading software companies such as TCS, Infosys, WIPRO, etc.

In CSE Department, Post Graduate M.Tech Programme has been started from the year 2012 with an intake of 18 Students. In our first batch M.Tech Programme, all the 18 Students have been passed in all the Subjects and they have produced 100 % results. In CSE Department, a Department Internal Library is also functioning with 150 titles.

## **INSTITUTE VISION MISSION VISION**

To accomplish excellence in the field of technical education and scientific research on regional, National and International levels through committing to total quality for its faculty, providing excellent infrastructure, research facilities and conducive atmosphere that would motivate the students in the pursuit of knowledge in Engineering and Technology.

### **MISSION**

IM1: To provide in depth knowledge in fundamentals to students to improve their learning and analytical skills.

IM2: To provide our students with the most progressive, relevant and well-rounded academic programs, supporting their learning through advanced and extensive resource

IM3: To promote interaction with industries and other institutes of higher learning to equip our

students to face the challenges on real time problems.

IM4: To develop the overall personality of the students to mould them into a good citizen with integrity and morality.

## DEPARTMENT VISION AND MISSION

### VISION

To impart knowledge with latest technological advancement in the field of Computer Science and Engineering and transform the learners into global contributors as Innovators, Entrepreneurs and Researchers.

### MISSION

Department of Computer Science and Engineering is committed

**Higher Order Thinking:** To impart strong fundamental concepts, analytical and problem solving ability to hone their professional skills.

**Continuous Learning:** To create an excellent conducive atmosphere for student learning and continuous updation of their knowledge on technology.

**Entrepreneurship:** To imbibe the spirit of leadership skills to be an active entrepreneur in society with moral values.

**Competency:** To enhance the creativity in research and to develop the competency of the students in Technological field

## PROGRAMME EDUCATIONAL OBJECTIVES

Graduates of Computer Science and Engineering will

**PEO1: Employability:** Our Graduates shall be suitably employed in allied industries/services with professional competency and knowledge of modern tools.

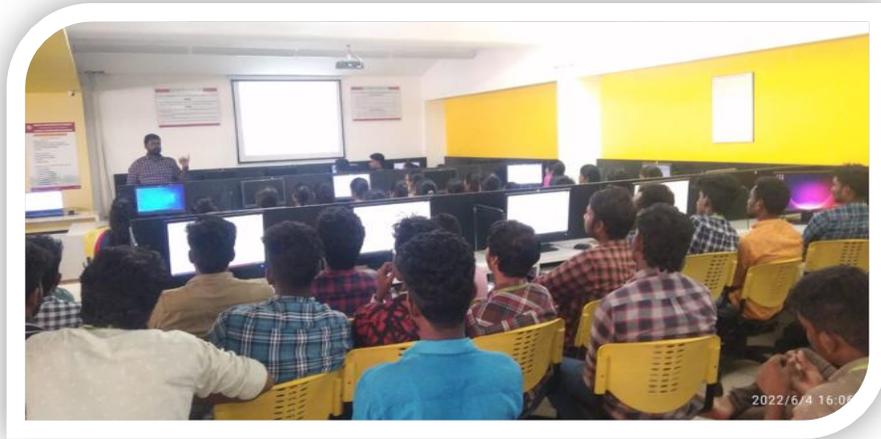
**PEO2: Higher Education:** Our Graduates shall be capable to pursue higher studies/research in the field of engineering and management.

**PEO3: Entrepreneurship:** Our Graduates shall be prepared for a successful career by meeting ever increasing demands required by Computer Science and Engineering profession and enable them to become an entrepreneur.

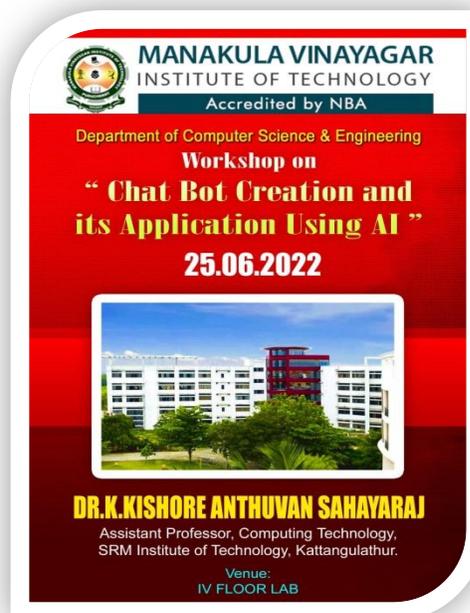
**PEO4: Ethical:** Our Graduates cultivate professional and ethical attitudes with effective communication skills, team work and multidisciplinary approach related to engineering issues.

## DEPARTMENT ACTIVITIES

- One day workshop on “SAP ABAP” by Mr.Ramkumar, Software Engineer Developer, DXC Technology, Bangalore for Third year Students on 4<sup>th</sup> June 2022.
- Mrs.I.Varalakshmi Asst. Prof has conducted Internal Workshop on “UML Tools” for Third year students on 25<sup>th</sup> June 2022.



- One day workshop on “Chatbot Creation and its applications” by Dr.Kishore Anthuvan Sagayaraj, Assistant Professor, Department of Computing Technology, SRM Institute of Science and Technology, Kattankulathur, Chennai for Third year CSE students on 25<sup>th</sup> June 2022.



- Mr.G.Balamurugan Asst. Prof has conducted Internal Workshop on “Machine Learning techniques” for Second year students on 5<sup>th</sup> July 2022.

### **FACULTY ACTIVITIES**

- Mr.G.Balamurugan, Asst.Prof has attended Seminar on “Intellectual Property Awareness Mission” conducted by Intellectual Property office, India on 18<sup>th</sup> January 2022.
- Dr. N. Palanivel, Assoc.Prof & Mr.G.Balamurugan, Asst.Prof. has presented paper on “Multi-Class Label Classification of Extremist Tweets” in International Conference on Artificial Intelligence and Machine Learning (IAIM-2022) (AICTE) held from 27<sup>th</sup> to 29<sup>th</sup> January 2022.
- R. Sathish Kumar , Asst.Prof. has published journal entitled as “An Improved CNN and BLSTM Based Method to Perceive Mood of Patients in Online Social Networks” in Asian Journal of Information Technology, 20: 199-209.January 2022.
- Dr.J.Vaishnavi, Asst.Prof has attended Ten days FDP on “Optical Wireless Communication-An Enabling Technology for Next Generation Networks” conducted by Pondicherry University from 24<sup>th</sup> January 2022 to 2<sup>nd</sup> February 2022
- Mr.R.Sathish Kumar Asst. prof has attended two days 08.02.2022 09.02.2022 FDP on “Research Issue in medical Image Processing” St.Mother Thersa Engineering College, Toothukudi, Tamil nadu from 8<sup>th</sup> February and 9<sup>th</sup> February 2022.
- Dr.J.Vaishnavi and Ms. C.Kaviyazhini, Asst.Prof has attended three days FDP on “Microsoft Azure Fundamentals” conducted by ICT Academy from 16<sup>th</sup> February 2022 to 18<sup>th</sup> February 2022.
- Mr.G.Balamurugan, Asst.Prof. has attended AICTE sponsored Five days FDP on “Recent Advances on Artificial Intelligence” conducted by GIET University from 22<sup>nd</sup> February 2022 to 26<sup>th</sup> February 2022.
- Mrs.I.Varalakshmi Asst.Prof. has published patent entitled as “Plant Diseases Identification Using AI” in IPR, DESIGN PATENTS on 25<sup>th</sup> February 2022.
- Mr.G.Balamurugan Asst.Prof. has published patent entitled as “Automatic Vehicle Registration Plate Identifying Device” in IPR, DESIGN PATENTS on 4<sup>th</sup> March 2022.
- Mr.G.Balamurugan,Asst. Prof has published paper on “Prediction of Plant diseases along with level of Infection on Pair with Monitoring process using Deep Learning”, Intellectual Property Rights, Journal Publication, and Application no: Journal Publication 202241009922 A, dated on 11<sup>th</sup> March 2022

- Dr.J.Vaishnavi ,Asst.Prof has attended three days FDP on “Research Methodology and Data Analysis” conducted by St.Joseph’s Arts and Science,Chennai from 28<sup>th</sup> March 2022 to 1<sup>st</sup> April 2022.
- G.Balamurugan, Asst.Prof. has presented paper on “Remote Sensing of Urbanization using Machine Learning and variational Quantum Regression” in International Virtual Conference on Machine Learning Applications in Applied Sciences and Mathematics from 30<sup>th</sup> to 31<sup>st</sup> March 2022.
- Mr.R.Sathish Kumar Asst. prof has attended three days FDP on Research “Applications in Artificial Intelligence and Machine Learning” Sathyabama University, Chennai, Tamilnadu from 18<sup>th</sup> May to 20<sup>th</sup> May 2022.
- Mr.G.Balamurugan, “IoT Based Novel One Touch Wearable Smart Bracelet for Stress Prediction”, Copyright in work Grant, Government of Canada, Application no: 1193455, on 23<sup>rd</sup> May 2022.
- G.Balamurugan, Asst.Prof has published paper entitled as “Abnormal Event Detection using Additive Summarization Model for Intelligent Transportation Systems”, International Journal of Advanced Computer Science and Applications (IJACSA) - Volume 13,No 5 May2022.[Web of Science indexed & Scopus indexed]
- Mr.A.Sankaran Asst.Prof has participated in “Cyber physical system modeling, simulation and analysis” organized by IEEE WIE, Chennai on 3<sup>rd</sup> June 2022.
- Mr.R.Sathish Kumar Asst. Prof has attended one Day Workshop on “Blockchain Security and Smart Contracts” conducted by University College of Engineering Villupuram, College in Tamil Nadu on 7<sup>th</sup> June 2022.
- Mrs.R.Indhumathi Asst. Prof has attended one month training program on “Java Full stack developer\_React” conducted by Virtusa from 13<sup>th</sup> June to 13<sup>th</sup> July 2022
- Mrs.I.Varalakshmi and Mrs.D.Mohanapriya Asst.Prof has attended Two weeks training program on “Java Full Stack Top Up” conducted by Wipro from 13<sup>th</sup> to 24<sup>th</sup> June 2022.
- Dr.S.Pariselvam, Prof has published paper entitled as “Exposing Fake Images Using Graph Theory” in Journal Of Algebraic Statistics, Volume 13, No. 3, 2022, <https://publishoa.com>, ISSN: 1309-3452 (Web of Science) June 2022.
- G.Balamurugan, Asst.Prof has published paper entitled as “Abnormal Event Detection in Video Surveillance Using Yolov3”, Journal Of Algebraic Statistics, Volume 13, No. 3, 2022, p.2988-2998. <https://publishoa.com>, ISSN: 1309-3452 (Web of Science) June 2022.

- Mr.R.Rajbharath Assoc. Prof has published journal entitled as “Controlling Mouse and Virtual Keyboard using Eye tracking by computer vision” in Journal of Algebraic Statistics (Web of Science) Vol.13, ISSN: 1309-3452, pg: 3354-3368 July 2022.
- Mrs.R.Indhumathi Asst. Prof, has published a paper entitled as “Automatic density based traffic congestion control system using arduino nano” in Journal of Algebraic Statistics (Web of Science) Vol.13, ISSN: 1309-3452 July 2022.
- Mrs.D.Mohanapriya Asst. Prof has published a paper entitled as ““DETECTING DOMESTIC WATER LEAKAGE USING INTERNET OF THINGS” in Journal of Algebraic Statistics (Web of Science) Vol.13, ISSN: 1309-3452 July 2022.

### **STUDENT ACTIVITIES**

- Shivanika Sri. S, Lakshmi Priya.G, Nirmal Kumar, vengatesh Saravanan has completed the certification titled as “C Programming” on 8<sup>th</sup> January 2022.
- Nithish Kumar .S has completed the certification titled as “PHP and MySQL” on 8<sup>th</sup> January 2022
- Muhil S has completed the certification titled as “Python For Machine Learning” on 8<sup>th</sup> January 2022
- Muhil S, Keerthana V has completed the certification titled as “PHP and MySQL” Spoken Tutorial Project, IIT Bombay on 8<sup>th</sup> January 2022
- Dhamodharan.S, Amal Salilan, Aravintakshan A.S, Aabid M.K of Second year students has presented paper in “International virtual Conference on Machine Learning Applications in Applied Science and Mathematics” held in Easwari Engineering College from 30<sup>th</sup> March 2022 to 31<sup>st</sup> March 2022.
- Sneha.M , Sahana Ashok and Anbarasan of Third year Students got Internship offer from ZOHO
- Liena.P of Third year Students got offer from TCS DIGITAL through Codevita contest with 7.5LPA.
- Thirumurugan, Mahalakshmi, Dhevetha, Ajay, Abinesh and Antony Jerome of Third year Students got Offer from Virtusa with 5.5LPA

## **EDITORIAL BOARD**

### **Student Editors**

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### **Faculty in Charge**

Mrs.I.Varalakshmi

Assistant Professor,

Department of Computer Science and Engineering

### **Contact Us**

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