



TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institution, Rathinamangalam, Chennai -127)

APPROVED BY AICTE ,AFFILIATED TO ANNA UNIVERSITY

BYTES

VOLUME 2

2024

DEPARTMENT OF
INFORMATION TECHNOLOGY

January-June 2024

NEWSLETTER

Vision and Mission of the Institution

Vision of the Institution

To provide quality education in the field of Engineering and Management, inculcating strong ethical values.

Mission of the Institution

M1: To offer high-quality technical education enriched with expertise and ethical values.

M2: To create an environment and opportunities where students can evolve into Innovative, skilled and globally competitive professionals.

M3: To foster multidisciplinary research and skill development for the betterment of society

Vision and Mission and PEOs of the Department

Vision of the Department

To establish a comprehensive centre for IT students by providing quality education, research and inculcating strong ethical values.

Mission of the Department

M1: To produce technically competent and skill-based IT professionals.

M2: To create conducive environment for innovative and multidisciplinary research.

M3: To cultivate strong social and ethical values for the betterment of society.

Program Educational Objectives (PEOs)

PEO1: Graduates will be able to demonstrate technical competence with analytical ability to meet the diversified requirements in IT industry through academia

PEO2: Graduates will be able to gain significant domain expertise and provide business solutions to real world problems

PEO3: Graduates will be able to work in multidisciplinary industries with social and environmental responsibility to find optimal solutions

PEO4: Graduates will be able to engage in lifelong learning using novel technologies to enhance their career position

DEPARTMENT ACTIVITIES:

Seminar- “AI in Software Development”

Seminar on “AI in Software Development” was organized by Department of Information Technology on 09.02.2024 by Dr.MayaEapen, Professor & HOD, Department of CSE, Jerusalem College of Engg, Chennai

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Rathinamangalam, Vandalur - Kelambakkam Road, Chennai, Tamil Nadu 600127, India

DEPARTMENT OF INFORMATION TECHNOLOGY

SEMINAR ON “AI IN SOFTWARE DEVELOPMENT”

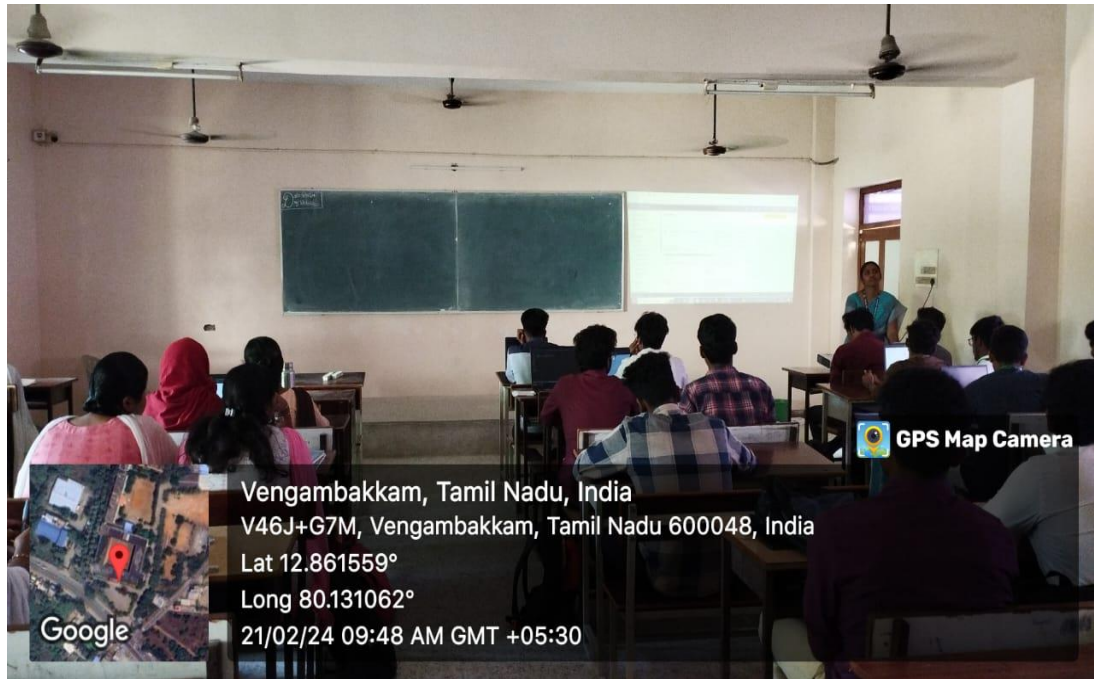
9, FEBRUARY 2024
9:00 - 10:30 AM
SMART CLASSROOM

Dr. Maya Eapen,
Resource Person
Professor & HOD
Department of CSE,
Jerusalem College of Engineering,
Chennai.

Coordinator	Convenor	Patron	Cheif Patron
Dr.P.Darwin Associate Professor / IT	Dr.R.Beulah Jayakumari HOD - IT	Dr.R.Ramesh Principal	Dr.M.Mala Chairperson

Workshop- “AMAZON WEB SERVICES”

Workshop on “AMAZON WEB SERVICES” was organised by Department of IT on 21.2.2024 given by Ms.S.Krishnaveni, Assistant Professor, Dept of Information Technology ,Tagore Engg College, Chennai.



Seminar- “AI and Database in Cloud Computing”

Seminar on “AI and Database in Cloud Computing” was organized by Department of Information Technology on 05.03.2024 by Mr. M. Thanikachalam, Senior Technical Architect, TCS, Chennai.



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DEPARTMENT OF INFORMATION TECHNOLOGY

Seminar on

AI AND DATABASE IN CLOUD COMPUTING



Mr. M. Thanikachalam

Senior Technical Architect
 TCS - Chennai

📅 05/03/2024 | 10:30 AM to 12:00 PM
 📍 Smart Classroom

Coordinator
Mrs. R. Gayathri
 Asst. Professor

Convenor
Dr. R. Beulah Jayakumari
 Professor & Head

Patron
Dr. R. Ramesh
 Principal

Chief Patron
Dr. M. Mala
 Chairperson

Workshop- “Build Mobile Apps with Flutter”

Workshop on “Build Mobile Apps with Flutter” was organised by Department of IT on 15.03.2024 by Ms. C.Kavitha - Tidy Life India Private Ltd – Chennai



Seminar- “Future Scope on Emerging Technologies”

Seminar on “Future Scope on Emerging Technologies” was organized by Department of Information Technology on 04.04.2024 by Mr. Sivaraj Krishnan – Manager, DADB German Academy of Digital Education



Workshop - “Generative AI: The India 4.0”

Workshop on “Generative AI: The India 4.0” was organized by Department of Information Technology on 10.05.2024 by Mr.Harish Babu & Mr.Prashanth Ravichandran – Growth Manager and Career Mentor, NxtWave



STAFF ACTIVITIES:

1. Ms.V. Archana and Ms.E.Priya had attended FEP on “**Artificial Intelligence and Machine Learning**” conducted by MIT , Anna University , Chennai from 05.02.24 to 10.02.24.
2. Ms. R.Gayathri had attended FDP on “**CCS335-Neural Network and Deep Learning**” Conducted by RIT, Chennai from 05.02.2024 to 10.02.2024.
3. Ms. V.Jayanthi had attended one day workshop on “**Fempower 24**” at Guindy Campus, Anna University, Chennai – 600025.
4. Ms. V Jayanthi had attended the Virtual Domain Specific training on “**Virtual Labs**” Conducted by NIT Karnataka, held on 10.04.2024
5. Dr. R.Buelah Jayakumari, Ms. K.Subashini, Ms.R.Gayathri, Ms.V. Archana and Ms. V.Jayanthi had attended FDP on “**Cyber Security and Digital Forensic**” Conducted by Jerusalem College of Engineering, Chennai from 01.04.2024 to 05.04.2024
6. Dr. R. Buelah Jayakumari and Dr. P.Darwin registered Design patent titled “**Smart Precision Seeder for Agriculture Applications**” in Intellectual property India.
7. Dr. R. Buelah Jayakumari published the paper titled “**Counting the Presence of**

People in a Real Time Contained Area using Convolutional Neural Network” in International Virtual Conference on Machine Learning Applications in Applied Sciences and Mathematics, Published by **AIP Publishing**

8. Dr. P.Darwin published the paper titled in **“A New modified WINDMI jerk system with Exponential and Sinusoidal Nonlinearities, its Bifurcation Analysis, Circuit Simulation and Synchronization Design”** in journal of Archives of Control Sciences, Volume 33(LXIX), 2023 No.4 Page no:711-735 **SCI Indexed**
9. Dr. R. Buelah Jayakumari presented the paper **“Smart Gadgets Cockpit Iot Enabled Device”** in the International Conference on computing and Data Science (ICCDs-2024) held on 26th and 2th April 2024
10. Dr. R. Buelah Jayakumari have published a paper title **“E-voting System using Cloud-based Hybrid Blockchain Technology”** on Journal of Safety Science and Resilience, **Elsevier** on February 19, 2024

STUDENT ACTIVITIES:

1. Second year students A.Kaviya and Dhanu Priya have attended one month Internship program in Redington, Chennai from 24.02.24.
2. Third year IT students went to Industrial Visit in Experience IT, UImagine TN@24 THE Talent Hub, Nandambakkam, Chennai on 23.02.2024.
3. Second year IT students went to **“Axis Global Automation”** Guindy, Chennai-600032 for Industrial Visit on 06th April, 2024.
4. Third year IT students went to **“IITM Research Park”**, Tharamani, Chennai – 600113 for Industrial Visit on 08th April, 2024.
5. Ms. Merlin Vensiya, III Year student has won First Place in the 3 days **“Workshop and Deep A Thon on Applications of CNN towards Health Care Precision”** conducted by Vellore Institute of Technology from 11.04.2024 to 13.04.2024
6. Final Year IT students – M.Maheshwaran, G.Surya, A.S.Arjun, presented the paper titled **“A Digital Forensic Tool for Identifying Criminals through Sketching and Facial Recognition”** in the National Conference (NCRTARNS – 2024) organized by the Department of Electrical and Electronics Engineering, Karpaga Vinayaga College of Engineering and Technology on 29th and 30th April 2024
7. Final Year IT students – B.Vignesh, E.Sathish, B.Pravin Gandhi presented the paper titled **“Precision Agriculture Support System using Machine Learning”** in the

National Conference (NCRTARNS – 2024) organized by the Department of Electrical and Electronics Engineering, Karpaga Vinayaga College of Engineering and Technology on 29th and 30th April 2024

8. Final Year IT students – J.Manikandan, K.Ganesh, S.N.Surendhar presented the paper titled **“Smart Agrotech: Revolutionizing Farming with IoT based Automation”** in the National Conference (NCRTARNS – 2024) organized by the Department of Electrical and Electronics Engineering, Karpaga Vinayaga College of Engineering and Technology on 29th and 30th April 2024
9. Final Year IT students – M.Abinaya, B.Kokilavani, V.Sandhiya presented the paper titled **“Predication of Liver Diseases using Machine Learning”** in the National Conference (NCRTARNS – 2024) organized by the Department of Electrical and Electronics Engineering, Karpaga Vinayaga College of Engineering and Technology on 29th and 30th April 2024
10. Final Year IT students – K.Malathi, B.Rupan, S.Lokesh presented the paper titled **“Diabetes Monitoring System and Health-Medical Service Composition Model in Cloud Environment ”** in the National Conference (NCRTARNS – 2024) organized by the Department of Electrical and Electronics Engineering, Karpaga Vinayaga College of Engineering and Technology on 29th and 30th April 2024
11. Final Year IT students – P.Harish, E.Bernard Abraham, M.Ezhilarasu presented the paper titled **“Smart Health Care Monitoring System using IoT”** in the National Conference (NCRTARNS – 2024) organized by the Department of Electrical and Electronics Engineering, Karpaga Vinayaga College of Engineering and Technology on 29th and 30th April 2024
12. Third Year IT Students - V Merlin Vensiya, A Lathifunisha Tausifa, R Gowshika presented the paper titled **“Resolving the Medical Pressing Challenges of India by using Drones”** in the National Level Conference (NCETECCT - 2024) organized by the Department of Electronics and Communication Engineering in association with IETE Students Forum (ISF), Jerusalem College of Engineering on 6th and 7th May 2024
13. Third Year IT Students - S Ramya, S Indhumathi, P Abinaya presented the paper titled **“Automated Railway Gate Control System using IoT”** in the National Level Conference (NCETECCT - 2024) organized by the Department of Electronics and Communication Engineering in association with IETE Students Forum (ISF), Jerusalem College of Engineering on 6th and 7th May 2024

14. Third Year IT Students - S Keerthana, R Likitha, E Jasper presented the paper titled **“Home Automation using Aws Mqtt”** in the National Level Conference (NCETECCT - 2024) organized by the Department of Electronics and Communication Engineering in association with IETE Students Forum (ISF), Jerusalem College of Engineering on 6th and 7th May 2024
15. Third Year IT Students - D Hema Lakshmi, G Swathi, S Surekha presented the paper titled **“Plastic Waste Detection and Classification using Convolutional Neural Network (Resnet-50) for supporting Reduce, Reuse, Recycle Principle”** in the National Level Conference (NCETECCT - 2024) organized by the Department of Electronics and Communication Engineering in association with IETE Students Forum (ISF), Jerusalem College of Engineering on 6th and 7th May 2024
16. Third Year IT Students - K Hina Fathima, R Avanthiga, K V V Mathimithra presented the paper titled **“Laundry App for IOS and Android”** in the National Level Conference (NCETECCT - 2024) organized by the Department of Electronics and Communication Engineering in association with IETE Students Forum (ISF), Jerusalem College of Engineering on 6th and 7th May 2024
17. Third Year IT Students - S J Surya, D Bala Kumar, T Aswin presented the paper titled **“Med Scanner”** in the National Level Conference (NCETECCT - 2024) organized by the Department of Electronics and Communication Engineering in association with IETE Students Forum (ISF), Jerusalem College of Engineering on 6th and 7th May 2024