

TAGORE ENGINEERING COLLEGE

(A Member of Tagore Institutions Chennai)

Approved by AICTE, New Delhi Affiliated to Anna University, Chennai
Rathinamangalam, Vandalur - Kelambakkam Road, Chennai, Tamil Nadu 600127, India.

www.tagore-engg.ac.in, E-mail: principal@tagore-engg.ac.in



CODEX

THE NEWSLETTER OF COMPUTER SCIENCE AND ENGINEERING

January 2023 - June 2023



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Vision of the department

To create an environment which is conducive to produce competent Computer Science Engineers through quality education and research-oriented education and equip them for the needs of industry and society.

Mission of the department

The Department strives to contribute to the expansion of knowledge in the discipline of Computer Science and Engineering by adopting an efficient teaching learning process in concurrence with increasing industrial demand. Ensuring technical proficiency, facilitating pursuing higher studies and carrying out Research and Development activities. Developing problem solving and analytical skills with deep knowledge in thorough understanding of basic sciences and Computer Science Engineering. Infusing managerial and entrepreneurship skills to become ethical, socially responsible, and competitive professionals.

CHAIRPERSON MESSAGE

Tagore Engineering College has been a forerunner in recognizing the needs of the industry and integrating knowledge with professional inputs. Our college is one of the most eminent Higher Education Institutions today, and it is renowned for the standards of its facilities, students and alumni. By maintaining a team of core faculty members, who are constantly pushing the frontiers of knowledge, we ensure a futuristic approach that keeps pace with the changing trends in the professional world through our global perspective.



Our primary commitment is to find the true potential of our students and equip them for the future, by providing them with the necessary skills, knowledge, and values. We achieve this goal through our unrelenting efforts to enhance the Quality of Education, Research, and Diversity on our campus. I consider this a great opportunity, privilege, and an honour to lead such a progressive educational establishment.

PRINCIPAL MESSAGE

Greetings to All, I am Dr. R. Ramesh Principal of Tagore Engineering College. It is my pleasure to brief you about Tagore Engineering College which was started in the year 1998 and is growing in leaps and bounds under the dynamic leadership of Dr. M. Mala, Chairperson of Tagore Educational Trust.

Our Tagore Institution has served this society by developing competent and renowned technocrats, scientists, researchers, and successful entrepreneurs. Recently, Our Institution has achieved 100% results and ranked as 4th in Anna University among 441 Non-Autonomous Engineering Colleges in Tamil Nadu.

With regard to research activities, our faculties have brought around 6.5 crores worth of funded projects and many international publications to their credit. Many international and National level conferences have been successfully organized in this Institution for the benefit of students and academicians.



We have achieved 91% placement of our eligible students in various reputed organizations throughout India. The highest package offered this year for our students is 10 Lakh per Annum. We strongly believe that character is more important than anything else. Hence, we give top priority to students' discipline and impart character within them as the primary task to develop them as good citizens.

I sincerely thank the dedicated faculty for their untiring work towards the development of our institution. I wish all the students and faculty, including the alumina of our Institution great success in every walk of their life. Thank you everyone.

AWARDS

Heartfelt Congratulations

Our chairperson *Dr. M. Mala* conferred
with the award

“Academic Union Oxford”

for the Outstanding Excellence in Education by
Achievements Forum -UK



Certificate Excellence in Quality

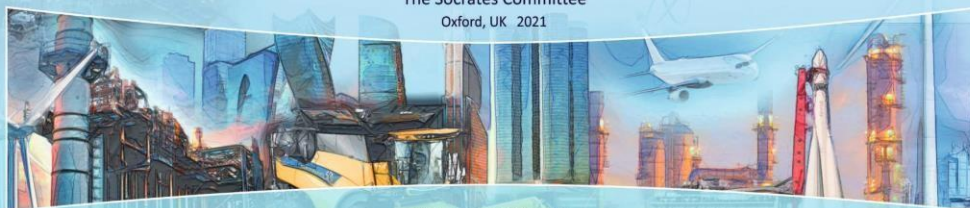
For innovative approach in science and education, high alumni level and aspiration
to the international quality standards in teaching

presented to

Tagore Group of Institutions, India
Chairperson and Managing Trustee Dr M. MALA

Has been recognised as one of the Managers of the Year

The Socrates Committee
Oxford, UK 2021



Registration No:EQ042018-083

DEPARTMENT ACTIVITIES

- One day Workshop on “Mastering Essential Soft skills for Career Readiness” by Ms. S. Niranjana, Accenture, Test Manager on 17.03.2023
- Guest Lecture on “Green Cloud Computing Towards Sustainability” by Dr. G.Anusooya, Professor, VIT University, Chennai on 22.02.2023.
- Industrial Visit to RETECH Solutions Pvt Ltd, Tambaram, Chennai on 03.03.2023.
- Guest Lecture on “Emerging Technologies” by Mr. Chander Piche, Assistant Manager, Beeja Academy, Chennai on 14.02.2023.
- International Conference on " Recent Advances in Science, Engineering and Management " by Prof. Dr. NAZRUL ISLAM, Pro-Vice Chancellor & Dean, Faculty of Business Northern University- Bangladesh, on 25.01.2023.

STAFF ACTIVITIES

PUBLICATIONS

- J. Senthil Murugan¹, S. Surendran, R. Sundar, “A DEEP LEARNING BASED ANALYSIS OF OIL SPILLED IMAGES TO MINIMIZE POLLUTION IN MARINE ENVIRONMENT”, ICTACT Journal on Image and video processing, February 2023, Page(s):2914 – 2920.

CONFERENCES

- Abirami.S, Bhaviya. S.S, “A Review On Diabetes Self-Management Applications For Android Development”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Meganathan C, Selvalakshmi. B, “Crops Yield Prediction Using Machine Learning”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Sridhar R, Jaishanthi B, ” Drowsiness Detection System Using Machine Learning”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Malini. S, Jaishanthi. B, “Effective Detection Of Parkinson’s Diseases Using Machine Learning”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Kanmani Akshaya K, Dr. Surendran. S, “Finger Recognition Using Machine Learning”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.

- Sivasankari S, Bhaviya. S.S., “Forming Stock Trading An Android Application”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Priya. N, Dr. Surendran S, “Internal Défense of Solid-State Drive Against Ransomware”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Priyadharshini J, Meenakshi. D, “IOT-Based Smart Shopping Cart Using Radio Frequency Identification”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Jayashree R, Meenakshi. D, “Online Voting System Using Cloud Computing”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Rajasri S, Jaishanthi B, “Secured E-Voting Using Block Chain Technologies”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- S. Anju, B. Selvalakshmi, “Studying The Effects Of Cellphone Radiation Using Iott And Machine Learning Techniques”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Harini Devi S, Dr. Surendran. S, “Two Channel Critically Sampled Graph Filter Banks With Shadowy Domain Diversity”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Thennarasu A, Senthil Kumar. R, Deepak. S, Revanth Kumar. P.M., Dr.Jaishanthi. B, “Ai Based Localization And Classification Of Skin Disease With Erythema”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Karthick, K. Nithiyanandam, S. Praveen Kumar, D. Amarnath, Dr.S.Surendran, “Brain Tumor Classification Using CNN”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Subash E, Ukash Kumar G, Baranivasan P, Surya E, Jaishanthi. B, “Bus Cybernation”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Abishek.S, Gopinath M, Rajkumar E, Dhakshina Moorthy K, Yuvaraj V, Dr. Jaishanthi. B, “Containment Zone Alerting Application”, 7th International Conference on Recent Advances in Science, Engineering and

Management (ICRASEM -2022) 25th Jan 2023

- Swetha S, Vishnupriya S, Yuvashri V, Uma B, Selvalakshmi. B, “Early Detection Of Chronic Kidney Disease”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Kishore Anand S, Vignesh N, Sanjay PD, Thangam A, Bhaviya S.S, “E-Waste And It’s Management”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Ezhilarasan G, Gopinath M, Mahakavi S, Guhan M, Meenakshi D, “Industry- Specific Intelligent Fire Management System”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- S. Ananda Muthukumar, Adithya Murugan, J Sherwinjeyaramazariah, M. Rakeshvar, Meenakshi. D, “Retail Store Stock Inventory Analytics”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.

- Sneha S, Avanthika G, Vijayalakshmi S, Prashanth S, Dr. S. Surendran, “University Admit Eligibility Predictor”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023
- Vidya V, Punitha Kavitha G, Sree Priya R, Deepashree P, Bhaviya S.S, “Visualizing And Predicting Heart Disease With An Interactive Dashboard”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.
- Rakshana G, Preethi D, Monisha N, Jayashree K, Selvalakshmi B, “Web Phishing Detection Using Machine Learning”, 7th International Conference on Recent Advances in Science, Engineering and Management (ICRASEM – 2022) 25th Jan 2023.

FDP

- Ms. D. Meenakshi, AP/CSE participated Day Faculty Development Programme on "Artificial Intelligence", organized by Microsoft, SAP & Tamil Nadu Skill Development Corporation from 13th to 15th Feb 2023.
- D. Meenakshi, Assistant Professor has attended the six-day Faculty Empowerment Programme on “Powering IoT using. Raspberry Pi or Arduino conducted in Physical Mode by the Centre / Department of Information

- Ms. B. Selvalakshmi, AP/CSE participated in Day Faculty Development Programme on "Artificial Intelligence", organized by Microsoft, SAP & Tamil Nadu Skill Development Corporation from 13th to 15th Feb 2023.
- Ms. B. Selvalakshmi, Assistant Professor, has attended a six-day Faculty Empowerment Programme on “Powering IoT using Raspberry Pi or Arduino conducted in Physical Mode by the Centre / Department of Information Technology at Madras Institute of Technology, Anna University from 30.01.2023 to 04.02.2023.
- Ms. B. Selvalakshmi, completed and received a passing grade in Mentoring in “Professional Readiness for Innovation, Employability and Entrepreneurship program on Emerging technology (Artificial Intelligence, Applied Data Science, Data Analytics, Internet of Things, Cloud App deployment)” (MTPRI, Provided by IBMCE), A course on ibmcep.cognitiveclass.ai powered by IBM Developer Skills Network. Issued by Cognitive class on 28.07.2023
- S. Surendran Professor/CSE participated in the Six Day Faculty Empowerment Programme on Powering IoT using Raspberry Pi or Arduino from 30.01.2023 to 04.02.2023 Organized by the Department of Information Technology, Madras Institute of Technology Campus, Anna University, Chromepet.
- D. Meenakshi, AP/CSE participated in Day Faculty Development Programme on "Artificial Intelligence", organized by Microsoft, SAP & Tamil Nadu Skill Development Corporation from 13th to 15th Feb 2023.
- D. Meenakshi, Assistant Professor has attended six-day Faculty Empowerment Programme on "Powering IoT using Raspberry Pi or Arduino conducted in Physical Mode by the Centre / Department of Information Technology at Madras Institute of Technology, Anna University from 30.01.2023 to 04.02.2023

WORKSHOPS

- Ms. B. Selvalakshmi, AP/CSE participated in the one-day workshop on “AI-ML Software Tools” conducted by the School of Electronics Engineering (SENSE) and Centre for Healthcare Advancement Innovation and Research (CHAIR), on 29th July, 2023 at Vellore Institute of Technology, Chennai.

STUDENT ACTIVITIES

- Mr. A. Udhayakumar, Participated in PALS INNOWAH INNOVATION competition for the Techade on March 24th 2023 at IIT- M.
- Mr M. Dayanithi, Participated in PALS INNOWAH INNOVATION competition for the Techade on March 24th 2023 at IIT- M

- Ms Kirthika. B, Participated in PALS INNOWAH INNOVATION competition for the Techade on March 24th 2023, at IIT- M.
- Mr C. Moses, Participated in PALS INNOWAH INNOVATION competition for the techade on March 24th 2023 at IIT- M.
- Mr. A. Udhayakumar, Participated in the Fashion Spectrum on 24th Feb 2023 at the National Institute of Fashion Technology.
- Ms V. Roshini, Visited IOC LPG Bottling Plant at Chengalpet on 24th Feb 2023
- Mr S. Nithish Kumar, Visited IOC LPG Bottling Plant at Chengalpet on 24th Feb 2023
- Mr S. Logeshwaran, Visited IOC LPG Bottling Plant at Chengalpet on 24th Feb 2023
- Ms M. Priyavarshini, Participated in the Data Classification Analysis workshop on 24th March 2023 held at Tagore Engineering College.
- Ms. S. Krithika, Participated in the Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Mr. Dhineshkumar M, Participated in the Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Ms. Kirthika B, Participated in the Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Mr. S. Aruneshwaran, Participated in Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Ms. P. Dhakineshwari, Participated in Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Mr M. Anish, Participated in the Data Classification Analysis workshop on 24th March 2023 held at Tagore Engineering College.
- Ms B. Lekha, Participated in the Data Classification Analysis workshop on 24 March 2023 held at Tagore Engineering College
- Mr B. Tom Roger Tarun, Participated in the Raspberry Pi Workshop held at IIT Research Park
- Ms. P. Jenita, Participated in the Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Ms M. Lavanya. Visited IOC LPG Bottling Plant at Chengalpet on 24th Feb 2023
- Mr. Rohith Raj S J, Participated in the Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Mr. Tom Roger Tarun B, Participated in the Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Mr. R. Sangaradoss, Participated in the Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Mr. Gopinath J, Participated in Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.

- Mr. S. Sai Mukesh, Participated in Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Mr. V. Tharun Raj, Participated in Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Ms. Jeevitha G, Participated in Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Ms. P.S. Arshara, Participated in Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Mr. K. Kamesh, Participated in Mega Entrepreneurship program on 4th Feb 2023 at Sairam Institutions.
- Mr. S. Deepak was placed in Sutherland as Associate Engineer.
- Ms. A. Yogesh was placed in Sutherland as Associate Engineer.
- M. J. Indhu was placed in Sutherland as Associate Engineer.
- Mr. P. Kishore Reddy was placed in Wipro Limited as Project Engineer.
- Mr. Yogesh A was placed in Think Synq.
- Ms. Shamili S was placed in ThinkSynq.
- Mr. P. Kishore Reddy was placed in ThinkSynq.
- Mr. S. Deepak was placed in ThinkSynq.

STUDENT PLACED

- Ms. Sanjana Ganguli. Placed in Cognizant Technology Solutions and TCS
- Mr. M Raghavendran Placed in Cognizant Technology Solutions
- Ms. S. Shamili placed in Qspiders and MPHASIS.
- Mr. S. Surya Prakash placed in Qspiders
- Ms. Susmitha T placed in MPHASIS.
- M. Deepa placed in Qspiders
- Ms. Evangelin Jenifer placed in Qspiders
- Mr. R. Srivatsan V placed in Tech Mahendra
- Mr. P. Kishore Reddy was placed in Wipro Limited as Project Engineer
- Ms. M. Anupriya was placed in Sutherland as Associate Engineer

EDITORIAL BOARD

Chief Editor

Dr. D. Ravindran M.E. Ph.D

Editor

- **Dr. S. Surendran M.E, Ph.D**
- **Mrs. S.S Bhaviya M.E**

Technical Assistance

- **Adithya Murugan**
- **Sangaradoss R**
- **Jayashri A**

Note: The Editorial committee invites articles from staff members and students on topics of academic, personal development etc. Articles may be mailed to: codexnewsletter@gmail.com

COURSES OFFERED

U.G. Courses

- B.E. – Aeronautical Engineering
- B.E. – Computer Science and Engineering
- B.E. – Electronics and Communication Engineering
- B.Tech. – Information Technology
- B.E. – Mechanical Engineering

P.G. Courses

- M.E. – Applied Electronics
- M.E. – Computer Science and Engineering
- M.E. – Environmental Engineering

M.E. – Manufacturing Engineering

M.E. – Power Electronics & Drives

M.B.A. – Management Studies

TAGORE GROUP OF INSTITUTIONS

- Tagore Medical College & Hospital
- Tagore Dental College & Hospital
- Jerusalem College of Engineering
- Tagore College of Arts & Science
- Hilton Teacher Training Institute
- Hilton Matriculation Higher Secondary School

