

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

July 2022 - December 2022



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, scientist, researchers and successful entrepreneurs. Recently, Our Institution has achieved 100% result 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 benefits of students and academicians.

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



I sincerely thank the dedicated faculties for their untired work towards the development of our Institution.

I wish all the students and faculty including the alumni 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*

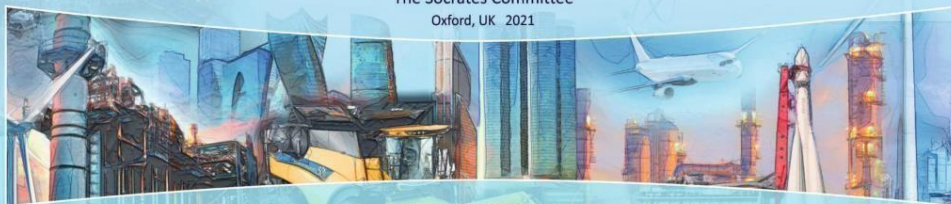
For innovative approach in science and education, high alumni level and aspiration
to the international quality standards in teaching

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

- Guest Lecture on “Android MAC OS” by Dr. B. Jaishanthi, Associate Professor, Tagore Engineering College, Chennai on 10/11/2022.
- Guest Lecture on “Dijkstra’s Algorithm” by Mrs. V. Logeshwari, Research Scholar, VIT University, Chennai on 17/10/2022.
- Webinar on “Validation and Snapshot Isolation” by Mr. D. Anand, Assistant Professor, VIT, Chennai on 28/09/2022.
- Guest Lecture on “Dynamic Scheduling with Speculation” by Ms. D. Meenakshi, Assistant Professor, Tagore Engineering College, Chennai on 07/09/2022.
- Guest Lecture on “Introduction to Java FX” by Mrs.K. Amsavalli, G.P. Tech, Chennai on 10/08/2022

STAFF ACTIVITIES**PUBLICATIONS**

- Dr Aruna R, Srihari K, Dr Surendran S, Jagadeesan S, Somasundaram K, Dr Yuvaraj N, Deepa S, Udayakumar E, Shanmuganathan V K, Chandragandhi S, Baru Debtera, “An Enhancement on Convolutional Artificial Intelligent Based Diagnosis for Skin Disease Using Nanotechnology Sensors”, Computational Intelligence and Neuroscience, Volume 2022 |Article ID 9539503
<https://doi.org/10.1155/2022/9539503>
- Selvalakshmi B, Subramaniam M & Sathiyasekar, K 2021, “Semantic Conceptual Relational Similarity Based Web Document Clustering for Efficient Information Retrieval using Semantic Ontology”,

KSII Transactions on Internet and Information Systems, vol. 15, no. 9, ISSN: 1976-7277,DOI: 10.3837/tiis.2021.09.001

INTERNATIONAL CONFERENCE

- Varakumari Samudrala; N Revathi; S.N. Padhi; S. Sasireka; B. Selvalakshmi; Divya Francis,” Design and Comparison of Tumor segmentation using ML- based cluster methods”, IEEE Explore,2022, Sixth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), Nov 2022.

FDP

- S. Surendran Professor/CSE participated in A SIX DAY ONLINE FDTP ON CS8791 – CLOUD COMPUTING 18th July 2022 to 23rd July 2022 Organized by the Department of Information Technology Tagore Engineering College Rathinamangalam, Vandalur – Kelambakkam Road, Chennai- 600127.
- S. Surendran Professor/CSE/CSE participated ONLINE Six Day Faculty Development Training Programme on CS8082 - Machine Learning Techniques, from 11th to 16th July 2022 Organized by the Department of Computer Technology, Madras Institute of Technology Campus, Anna University, Chromepet.

- S. Surendran Professor/CSE/CSE participated in the International Level Virtual Faculty Development program on “Research Advancements in Intelligent Computing
- B. Selvalakshmi, AP/CSE participated A SIX DAY ONLINE FDTP ON CS8791 – CLOUD COMPUTING 18th July 2022 to 23rd July 2022 Organized by the Department of Information Technology Tagore Engineering College Rathinamangalam, Vandalur – Kelambakkam Road, Chennai- 600127.
- B. Selvalakshmi, AP/CSE participated ONLINE Six Day Faculty Development Training Programme on CS8082 - Machine Learning Techniques, from 11th to 16th July 2022 Organized by the Department of Computer Technology, Madras Institute of Technology Campus, Anna University, Chromepet.
- B. Selvalakshmi, AP/CSE participated in International Level Virtual Faculty Development program on “Research Advancements in Intelligent Computing Technologies”, organized by Department of Computer Science and Engineering, Sri Krishna College of Engineering and Technology from 19.12.2022 to 23.12.2022.
- Selvalakshmi, Assistant Professor, Computer Science and Engineering, Tagore Engineering College has participated in the One Week Online National Level Faculty Development Programme on “Recent Tools & Technologies for Data Science and Artificial Intelligence” held from 19.09.2022 to 26.09.2022 organized by the Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh.
- B. Selvalakshmi, Assistant Professor, Computer Science and Engineering, Tagore Engineering College has attended the Faculty Development Program on VIRTUAL LABS, held virtually from 19-Oct-2022 thru 21-Oct-2022 as part of the “PALS-VLABS 2022-23 INITIATIVE with NITK Surathkal”.
- D. Meenakshi, AP/CSE participated A SIX DAY ONLINE FDTP ON CS8791 – CLOUD COMPUTING 18th July 2022 to 23rd July 2022 Organized by the Department of Information Technology Tagore Engineering College Rathinamangalam, Vandalur – Kelambakkam Road, Chennai- 600127.
- D. Meenakshi, AP/CSE participated in the International Level Virtual Faculty Development program on “Research Advancements in Intelligent Computing Technologies”, organized by Department of Computer Science and Engineering, Sri Krishna College of Engineering and Technology on 19.12.2022.

- D. Meenakshi, Assistant Professor, Computer Science and Engineering, Tagore Engineering College has participated in One Week Online National Level Faculty Development Programme on “Recent Tools & Technologies for Data Science and Artificial Intelligence” held from 19.09.2022 to 26.09.2022 organized by the Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh.
- S.S. Bhaviya, AP/CSE participated A SIX DAY ONLINE FDTP ON CS8791 – CLOUD COMPUTING 18th July 2022 to 23rd July 2022 Organized by the Department of Information Technology Tagore Engineering College Rathinamangalam, Vandalur – Kelambakkam Road, Chennai- 600127.
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- S.S. Bhaviya, AP/CSE participated in International Level Virtual Faculty Development program on “Research Advancements in Intelligent Computing Technologies”, organized by the Department of Computer Science and Engineering, Sri Krishna College of Engineering and Technology from 19.12.2022 to 23.12.2022.
- D. Hasiny, AP/CSE participated in the International Level Virtual Faculty Development program on “Research Advancements in Intelligent Computing Technologies”, organized by the Department of Computer Science and Engineering, Sri Krishna College of Engineering and Technology from 19.12.2022 to 23.12.2022.
- Dr. B. Jaishanthi has attended FDP on ‘Artificial. Engineering and Machine Language’ at IIT Alumni Industry Interaction Center, IIT Madras Research Park on 28th November 2022.
- Dr. B. Jaishanthi, Associate Professor, CSE was a Resource person for a session in the same FDTP on 19th July on the topic "Cloud Simulator-cloudsim".
- Ms. B. Jaishanthi, has finished her Degree of Doctor of Philosophy under the faculty of Information and Communication Engineering. She presented the title of her thesis “Efficient Multimedia Data Transmission in MANET using Cognitive Radio Network” in July 2022.
- Ms. D. Sivaranjani, AP/CSE participated ONLINE Six Day Faculty Development Training Programme on CS8082 - Machine Learning Techniques, from 11th to 16th July 2022 Organized by the Department of Computer Technology, Madras Institute of Technology Campus, Anna University, Chromepet.

- Dr. Jaishanthi, AP/CSE participated A SIX DAY ONLINE FDTP ON CS8791 - CLOUD COMPUTING 18th July 2022 to 23rd July 2022 Organized by the Department of Information Technology Tagore Engineering College Rathinamangalam, Vandalur – Kelambakkam Road, Chennai- 600127.
- Ms. D. Sivaranjani AP/CSE participated A SIX DAY ONLINE FDTP ON CS8791 - CLOUD COMPUTING 18th July 2022 to 23rd July 2022 Organized by Department of Information Technology Tagore Engineering College Rathinamangalam, Vandalur – Kelambakkam Road, Chennai- 600127.
- Dr. B. Jaishanthi organized a Six Days Online Faculty Development and Training program on Cryptography and Network Security from 11.07.2022 to 16.07.2022.

STUDENT ACTIVITIES

- Ms. Arshara P S, completed and received a passing grade in Python 101 for Data Science(PY0101EN, Provided by IBM), A course on cognitiveclass.ai powered by the IBM Developer Skills Network. Issued by Cognitive class on 08.10.2022.
- Mr. S. Paul Benjamin Felix, participated in the Masterclass by Mr. Sandeep Gorthi, Engineering Manager at Uber, on ‘Technologies of the Future’ conducted exclusively for CCBP 4.0 Academy students on 2-Oct-2022.
- Mr. A. Udhyakumar, participated in the event entitled “Coding Relay” organised by technoVIT’22 under the School of Computer

Science and Engineering, Vellore Institute of Technology, Chennai on 24th September 2022.

- Mr. A. Udhyakumar, Participated in the event entitled “Technical Training on BERT” organised by technoVIT’22 under the School of Computer Science and Engineering, Vellore Institute of Technology, Chennai on 20th September 2022.

STUDENT PLACED

Student Name	Company Placed
ADITHYA MURUGAN	CTS
S ANANDA MUTHUKUMAR	TCS
G. AVANTHIKA	CTS
	PALLE TECHNOLOGIES
DEEPASHREE. P	CTS
MAHAKAVI. S	SUTHERLAND
PRASHANTH. S	SUTHERLAND
PRAVEEN KUMAR S	CTS
R. SENTHILKUMAR	SUTHERLAND
SHERWIN JEYARAM AZARIAH. J	CTS
	VINS INFO
S. SNEHA	SURETI IMF
	PALLE TECHNOLOGIES
SREE PRIYA.R	CTS
UKASH KUMAR G	SURETI IMF
	PALLE TECHNOLOGIES
	SUTHERLAND
V. VIDYA	CTS
	SUTHERLAND
S. VISHNU PRIYA	TCS
YUVASHRIV V	SURETI IMF
K. DHAKSHINA MOORTHY	CTS
	HEXAWARE

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- **Jayashri A**

Note: The Editorial Committee invites articles from staff members and students on various 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.



