

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.

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CODEX

THE NEWSLETTER OF COMPUTER SCIENCE AND ENGINEERING

July 2021 - December 2021



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. D. Ravindran 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

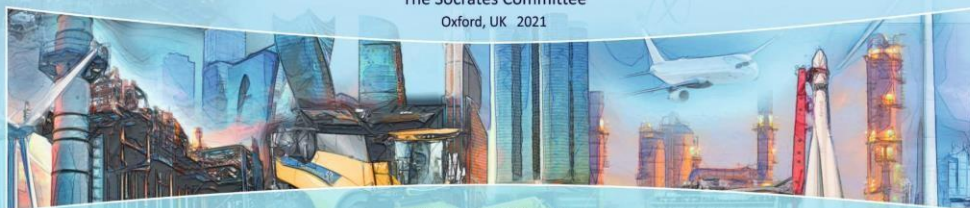
For innovative approach in science and education, high alumni level and aspiration
to the international quality standards in teaching

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

- The Department of Computer Science and Engineering has organized a Webinar on "Roadmap for Placements" by Mr. R. Mohan Kumar, System Engineer, TCS, Chennai on 27.02.2021.
- The Department of Computer Science and Engineering has organized a Webinar on "Information Retrieval Techniques" by Ms. B. Thammeemunnisha Associate Software Engineer, Tech Mahindra on 21.04.2021.
- The Department of Computer Science and Engineering has organized a Webinar on "Knowledge on Testing domain in the work world" by Abinaya VK, Public speaker Associate Consultant Atos Syntel Pvt Ltd., Pune. on 22.04.2021
- The Department of Computer Science and Engineering has organized a Webinar on "Node.JS" by Mr. T. S. Tamilselvan, Software Engineer, Doodle BlueInnovation on 01.05.21.
- The Department of Computer Science and Engineering has conducted a Technical Event on "OOPS Concept Based Technical Questions" by Mrs. V. Logeshwari Research Scholar, VIT University, Chennai on 25-08-21

STAFF ACTIVITIES

- S. Arivarasan, Dr. S. Prakash, Dr. S. Surendran, "An Energy Efficient QoS Routing Protocol based on Red Deer Algorithm in MANE" Turkish Journal of Computer and Mathematics Education Vol.12 No. 5 (2021), 1461-1471.
- Ms. P. Selvakumari attended the AICTE Training And Learning (ATAL) Academy FDP on "Sensor Technology In Lifestyle Enrichment" At Easwari Engineering College from 02-08-2021 to 06-08-21.
- Mrs. B. Selvalakshmi has attended the 5 days Faculty Development Programme in: "Research Innovation in Computer Vision from 10.05.21 to 14.5.21 organized by the Department of Computer Science and Engineering, Kings Engineering College, Chennai.
- Mrs. B. Selvalakshmi attended the 5 days Faculty Development Programme on "OpenSource Tools for Data Analytics" organized by the Department of Computer Science and Engineering, Sri Sairam Engineering College, Chennai from 24.5.21 to 28.5.21.

STUDENT ACTIVITIES

INTERNSHIP

- Mr. Praveen Kumar has done an internship in AICL, Chennai for 15 days (from 7th June 2021 to 28th June 2021) in the "Artificial Intelligence and MachineLearning Internship Program".

- Ms. S. Swetha has done an internship in the My Captain Campus Ambassador Program from 13th January 2021 to 13th February 2021 and has gained experience in “Business Development, Marketing and Sales along with a focus on Community Building for creating an impact”.
- Mr. Ravikumar. T has done an internship in Spectrum 7 Technologies, Chennai in “Android Application Developer Trainee” from 02-01-21 to 05-04-21.

WORKSHOP

- Mr. Anish. M has participated in the “5 days Online Workshop on Java” conducted from 24.05.21 to 28.05.21 organized by Dr. Radha, Dr. R. Jayanthi, School of Computer Science and Engineering (SCOPE) and Dr. T. Subbulakshmi, Professor and Assistant Director, Academic Staff College (ASC) of VIT College.
- Mr. Anish. M has participated in the “5 days Online Workshop on Python for Machine Learning” conducted from 14.06.21 to 18.06.21 organized by Dr. Braveen M, Dr. Premalatha. M, Dr. Suganya G, School of Computer Science and Engineering (SCOPE) and Dr. T. Subbulakshmi, Professor and Assistant Director, Academic Staff College (ASC) of VIT Chennai.
- Mr. R. Sangaradoss participated in the “5 days Online Workshop on Python for Machine Learning” conducted from 14.06.21 - 18.06.21 organized by Dr. Braveen M, Dr. Premalatha. M, Dr. Suganya G, School of Computer Science and Engineering (SCOPE) and Dr. T. Subbulakshmi, Professor and Assistant Director, Academic Staff College (ASC) of VIT Chennai.
- Mr. Anish. M participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities in Tagore Engineering College, Chennai.
- Mr. Anish. M participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities in Tagore Engineering College, Chennai.
- Mr. Anish M participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics in Tagore Engineering College, Chennai.
- Mr. D. Dinesh participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. D. Dinesh, M, has participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics in Tagore Engineering College, Chennai.

- Mr. D. Dinesh successfully attended the “Security Awareness” webinar in #YacSociety.
- Mr. D. Dinesh participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Ms. G. Trisha participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Ms. G. Trisha participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Ms. G. Trisha participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Ms. Infant Ludi Melba M participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities in Tagore Engineering College, Chennai.
- Ms. Infant Ludi Melba M participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities in Tagore Engineering College.
- Ms. Infant Ludi Melba M participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Mr. K. Kamesh participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai. and Humanities in Tagore Engineering College, Chennai.
- Mr. R. Sangaradoss participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Mr. Saravanan Sridhar participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities in Tagore Engineering College, Chennai.
- Mr. Saravanan Sridhar participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. Saravanan Sridhar participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.

- Mr. Sai Mukesh participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.2021 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. Sai Mukesh participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.2021 by the Department of Science and Humanities in Tagore Engineering College, Chennai.
- Mr. Sai Mukesh participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.2021 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Ms. S. Swetha is hereby awarded the certificate of achievement for the successful completion of “Build a Face Recognition Application using Python” in Guvi Tech on 24.04.2021.
- Mr. V. Tharun Raj participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.2021 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. V. Tharun Raj participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.2021 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Ms. Sowmiya participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. K. Ranjith participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Mr. S. Aruneshwaran participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.2021 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. S. Aruneshwaran participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.2021 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. K. Ranjith participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. K. Ranjith participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. M. Karthik participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of

Science and Humanities at Tagore Engineering College, Chennai.

- Mr. Mahavignesh participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. Mahavignesh participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Ms. R. Sathyavathy participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Ms. R. Sathyavathy participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Ms. S. Savishree participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Ms. S. Savishree participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Ms. Sowmiya participated in the webinar on “Data Encryption using Graph Labelling” conducted on 26.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. V. Kumaran participated in the webinar on “Brain-Based Learning and Learning Skills” conducted on 21.04.21 by the Department of Science and Humanities at Tagore Engineering College, Chennai.
- Mr. S. Aruneshwaran participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Mr. M. Karthik participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Mr. M. Lawanya participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Mr. Mahavignesh participated in the webinar on “Renewable Energy Innovations- Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Ms. S. Savishree participated in the webinar on “Renewable Energy Innovations-Overview”

conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.

- Ms. Sowmiya participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Mr. V. Kumaran participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Ms. R. Sathyavathy participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Ms. S. Shalini participated in the webinar on “Renewable Energy Innovations-Overview” conducted on 05.05.21 by the Department of Electrical and Electronics at Tagore Engineering College, Chennai.
- Ms. M. Sneha participated in the E-Quiz on “Basic Electronic Sciences” conducted by the Department of Electronics and Communication Engineering, Vels Institute of Science, Technology & Advanced Studies (VISTAS) on 06.06.20.

EDITORIAL BOARD

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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

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- B.E. – Computer Science and Engineering
- B.E. – Electronics and Communication Engineering
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- B.E. – Mechanical Engineering

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- M.E. – Environmental Engineering

M.E. – Manufacturing Engineering

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