St. JOSEPH'S INSTITUTE OF TECHNOLOGY

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OMR, CHENNAI - 119







NEWSLETTER



ISSUE NO 11
JANUARY MONTH











St. JOSEPH'S

GROUP OF INSTITUTIONS

OMR, CHENNAI - 119





The Choice of Disciplined Toppers



VISION

To evolve as a Centre of Excellence in Education, Research and Development in the Information Technology arena by adapting to the rapid technological advancement to transform the learners into innovators at the global level.

MISSION

Cognitive strength: To set an advanced education method for developing the cognitive strength of students and motivate them to get updated knowledge in the emerging areas of Information Technology.

<u>Professionalism</u>: To ignite the mindset, skill, attitude and core competence of students to produce graduates with International Standards.

Centre of Excellence: Excellence in education and research in the field of Information Technology in order to meet global challenges in computing industries.

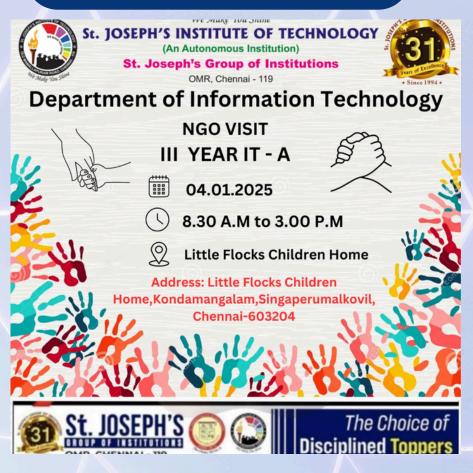
<u>Career guidance</u>: To encourage our students to be a good leader by improving their ability in decision making and problem solving with ethical values.

Research & Development: To innovate the research in Information Technology to serve the needs of industry, government and society









Our III Year IT - A students visited "Little Flocks Children Home" in Singaperumal kovil.

The purpose of this visit was to evaluate the facilities and services provided by the Home, understand the needs and challenges faced by the residents and staff, and explore potential areas for support and collaboration.



This Foundation is a non-profit organization focused on improving the quality of life for children through support services, health care, and community engagement. This home, was established in 1998, provides residential care for children, including medical care, recreational activities, and social support.



The visit to this Home was insightful and highlighted the critical role of such facilities in caring for the children. The home provides a nurturing environment, but there are areas that needs improvement to enhance the quality of life for residents. Continued support and collaboration can help address these challenges and ensure that residents receive the best possible care.





Our III Year IT - B students visited "Manasu Home " Oldage Home in Thiruvanmiyur.

The purpose of this visit was to evaluate the facilities and services provided by the Old Age Home, understand the needs and challenges faced by the residents and staff, and explore potential areas for support and collaboration.



This Foundation is a non-profit organization focused on improving the quality of life for elderly individuals through support services, health care, and community engagement. This home, provides residential care for elderly individuals, including medical care, recreational activities, and social support.



The visit to the Old Age Home was insightful and highlighted the critical role of such facilities in caring for the elderly. The home provides a nurturing environment, but there are areas that needs improvement to enhance the quality of life for residents. Continued support and collaboration can help address these challenges and ensure that residents receive the best possible care.





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DEPARTMENT OF INFORMATION TECHNOLOGY NGO visit - II year IT A

ANNIE THERASA SOCIAL WELFARE TRUST OLD AGE HOME, THIRUVOTTIYUR

25.01.2025





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This Home has facility that provides care and shelter to senior citizens who may not have family support or who need assistance with daily activities. The home provides essential services,





The visit to the children's home was organized as part of the college's community outreach program, aiming to raise awareness about social issues and provide students with the opportunity to engage with and contribute to the well-being of children in need. The students spent the day interacting with the children, engaging in recreational activities, and learning about their lives and the importance of child welfare services. The experience allowed students to better understand the challenges faced by children in care and the positive impact of such institutions.



UMAGINE - VISIT

The UMAGINE event, which was a technical exhibition and hands-on experience for aspiring students, was a remarkable opportunity to witness cutting-edge technologies in action. The event was organized for college students to explore advancements in various fields, including robotics, automation, AI, virtual reality, and sustainable technologies. Our visit aimed to provide students with practical exposure to these innovations and inspire future careers in STEM.







UMAGINE is an annual technical event that brings together tech enthusiasts, researchers, and companies to display their latest innovations. Professionals from various industries provided insights and mentorship to students.

Students had the opportunity to witness live demonstrations of robots performing complex tasks such as assembly line work, automated drones, and humanoid robots. Students assembled robots using kits and learned about sensors, controllers, and motors.

UMAGINE - VISIT

Students had the chance to interact with experts from various fields, asking questions about the technologies on display. Some notable interactions included:

- A conversation with a robotics engineer explaining the integration of AI into automation systems.
- A session on career opportunities in data science, where a guest speaker shared insights into the field's evolving landscape.



The UMAGINE technical visit was a valuable learning experience that enhanced students' understanding of modern technology's role in shaping industries and solving real-world problems. It not only provided theoretical knowledge but also gave students practical exposure to groundbreaking innovations. This experience has certainly sparked interest among students to explore the fields of robotics, artificial intelligence, sustainable technologies, and more.



INDUSTRY INSTITUTE INTERACTION

Our IT Department HOD Dr. K.Vijayakumar and Staff the company Experts interacted with Mr.K.P.Sriram regarding Industry Institute Collaboration. The purpose of this interaction was to establish a collaborative relationship between St. Joseph's Institute of Technology and 8QUEENS SOFTWARE TECHNOLOGIES PRIVATE LIMITED.

The aim was to explore opportunities for student internships, ioint research projects, and industry-oriented training **National Informatics** Centre. programs. leading technology firm specializing in software development, AI, and machine learning solutions.



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INDUSTRY INTERACTION VISIT

8QUEENS SOFTWARE TECHNOLOGIES PRIVATE LIMITED

8Queens is an Enterprise Consulting and IT Services firm, offering solutions in Web portals, Enterprise Applications, Mobility, Cloud, and Analytics, both On-Premise and in the Cloud.

Date 27/01/2025



OUTCOMES

student Internship Industrial Visit **FDP** Student Workshop **Guest Lecture**

Founder & CEO Mr.Vimalraj









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discussed potential they **During** Discussion, collaboration, including student internships, guest lectures by industry experts, joint research projects, and curriculum development. Explored the possibility of setting up an industry-sponsored lab at the institute to facilitate hands-on learning for students.

GUEST LECTURE

The guest lecture on the "Fundamentals of Artificial Intelligence (AI) and Machine Learning (ML)" was organized to provide students with a foundational understanding of these rapidly evolving fields. The lecture aimed to introduce the concepts, applications, and future potential of AI and ML, as well as inspire students to explore career opportunities and further education in these technologies.



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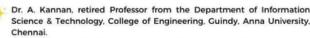




DEPARTMENT OF INFORMATION TECHNOLOGY

ORGANIZES GUEST LECTURE ON





- He had 8 years of software development experience at Bhabha Atomic Research Centre, Bombay and 27 years of teaching experience for B.E/B.Tech, M.E/M.Tech, and M.C.A. students at College of Engineering, Guindy, Anna University, Chennai
- His expertise spans:
- Database Management Systems
 - Artificial Intelligence and Machine Learning
- Natural Language Processing
- Software Engineering
- Computer Networks and Information Security
- His accomplishments include:
 - 429 publications on Google Scholar (8405 citations, h-index 47, i-10 index 175)
 - 347 publications on Scopus (5746 citations, h-index 37)
 - 245 publications on Web of Science (3959 citations, h-index 32)
- Guided 44 Ph.D. scholars
- Beyond research, Dr. Kannan is a dedicated educator and Master Trainer, committed to knowledge dissemination and skill development.



DR. KANNAN ARPUTHARAJ, RETIRED PROFESSOR, DEPT. OF INFORMATION SCIENCE AND TECH, CEG CAMPUS



JAN 28,2024 | 10 AM - 11.30 AM



VENUE : AV HALL 2



St. Joseph's Institute of Technology



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The session was structured to cater to both beginner and intermediate-level students and was designed to cover key concepts in an accessible yet informative manner. Throughout the lecture, students actively participated by asking questions related to the content and real-world applications. Some students inquired about the technical challenges in building AI systems, while others were interested in learning more about the ethical implications of AI technologies.

GUEST LECTURE

The feedback from students was highly positive. Many students expressed appreciation for the clear and engaging explanation of complex AI and ML concepts. Students highlighted that the practical examples of AI applications helped them understand how the technologies are used in various industries. Some students mentioned that the lecture sparked their interest in pursuing further studies in AI and ML.





MOCK INTERVIEW



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DEPARTMENT OF INFORMATION TECHNOLOGY MOCK INTERVIEW BY ALUMINI



















FOR SECOND YEAR IT STUDENTS



25-01-2025



St.Joseph's Institute of Technology,admin



(L) 10.00 AM









The purpose of the mock interview was to provide current students with insights into the job market, share experiences and advice on securing placements, and foster a network between alumni and students.





MOCK INTERVIEW

The event saw participation from Second Year Students, alongside 8 alumni who volunteered as interviewers. The alumni represented various industries, including technology, finance, healthcare, and more.

Each student participated in a series of 15-20 minute mock interviews with alumni, focusing on different roles and industries.

After each interview, alumni provided constructive feedback and tips for improvement.





The Alumni Mock Interview Session successfully met its objectives, providing juniors with practical experience and valuable insights into the interview process.





STAFF ACHIEVEMENT

- Dr. G Mahalakshmi published patent on "HYBRID 5G AND AI-DRIVEN IMAGE PROCESSING FOR HEALTHCARE AND SMART DEVICES".
- ** Mrs R Augasthega published paptent on " Advanced Language Model Techniques for Real-Time Intelligent Content Creation"
- Mrs R Augasthega published patent on "Artificial Intelligence-Based Scalable Method and System for Text and Media Generation"
- Try Dr B Senthilnayaki Participated & completed successfully the Five-day Faculty Development Programme on "Al-POWERED CYBERSECURITY," held during 6th to 10th January 2025, jointly organized by Department of Computer Science and Engineering & Department of Information Science and Technology, Anna University, Chennai.
- Mr Abijith G R in recognition of his/her role as mentor for the NPTEL Online Certification course SOFTWARE ENGINEERING.

Mr Abijith GR has participated in the five days Industry Sponsored International Research Development Programme on "Incentive Research Conceptions Using Advanced Learning Models" Organized by the Department of Computer Science and Engineering, St. Joseph's Institute of Technology in association with CSI Kancheepuram Chapter & Dev Row Technologies from 16 December to 20 December 2024.

STAFF ACHIEVEMENT

- Mr K P Sriram published paper on "Unlocking Complex Patterns Through the Power of Deep Learning for Advanced Data Analysis and Prediction" 2024 International Conference on Cybernation and Computation (CYBERCOM) 10.1109/CYBERCOM63683.2024.10803222
- Mr K P Sriram published paper on "Exploring the Potential of Quantum Computing for Revolutionary Problem-Solving and Computational Advancements" 2024 International Conference on Cybernation and Computation (CYBERCOM) 10.1109/CYBERCOM63683.2024.10803249
- Mr K P Sriram in recognition of his/her role as mentor for the NPTEL Online Certification course "Data Science for Engineers".
- Mr K P Sriram published paper on "Developing an Adaptive Security Framework for Real-Time Threat Detection and Response in Cloud-Network Systems" 2024 International Conference on Cybernation and Computation (CYBERCOM) 10.1109/CYBERCOM63683.2024.10803141
 - Dr L Javid Ali published patent on "ADAPTIVE MULTI-CLOUD ORCHESTRATION FOR MACHINE LEARNING WORKFLOWS USING FEDERATED LEARNING TECHNIQUES"
 - Mrs J Vinisha published paper on "Integration of Blockchain and IoT for Enhanced Transparency in Diamond Supply Chain" Vol. 11 No. 1 (2025) pp:1-17 doi: 10.4108/eetiot.7145

STAFF ACHIEVEMENT

- Mrs Jetlin C.P published SCIE paper on "PyQDCNN: Pyramid QDCNNet for multi-level brain tumor classification using MRI image" Biomedical Signal Processing and Control Volume 100, Part A, February 2025, 107042 https://doi.org/10.1016/j.bspc.2024.107042
- Dr D Logeshwari published SCIE paper on "Classifying Alzheimer's Disease Using a Finite Basis Physics Neural Network" Microscopy Research and Technique PP: 1–13 https://doi.org/10.1002/jemt.24727
- Mrs T Manju published paper on "Development of AI Tool for Caries Detection from Dental Radiograph" 2024 IEEE 12th Region 10 Humanitarian Technology Conference (R10-HTC) DOI: 10.1109/R10-HTC59322.2024.10778745
- Mrs A Nithya published paper on "Banking Security and Customer Experience: Cloud Computing-Enabled KYC in the Model" 2024 **Digital** Era using ANN **International** Conference Electrical **Electronics** on and **Computing Technologies** (ICEECT) DOI: 10.1109/ICEECT61758.2024.10739221
 - Mrs Mary Joseph published Book chapter on "Machine Learning-Based Swarm Optimization for Residential Demand-Based Electricity" Sustainable Smart Homes and Buildings with Internet of Things https://doi.org/10.1002/9781394231522.ch9
 - Mr A Najeem Dheen published paper on "Integration of Blockchain and IoT for Enhanced Transparency in Diamond Supply Chain" EAI Endorsed Transactions on Internet of Things Vol. 11 No. 1 (2025) pp:1-17 doi: 10.4108/eetiot.7145



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Department of Information Technology

BATCH: 2021 - 2025 TOPPERS UPTO SEM VII ABOVE 8.5 CGPA



FAHIMUNNISHA A 312421205022 9.06



JANARANJAN E 312421205033 9.03



312421205069 8.97



312421205107 8.95



SWATHIY 312421205118 8.93



SNEHA V R 312421205109 8.87



SHRUTHI C 312421205103 8.86



DEEPA G 312421205019 8.81



KEERTHANA B 312421205045 8.78



MADHUMITA A R 312421205051 8.69



SHYAM K 312421205104 8.68



BERVINSHA A 312421205014 8.67



NISHANTHINI A 312421205061 8.65



SARAVANA SAKTHI P SAKTHI PRIYA A 312421205093



312421205081 8.59



REEDHU R 312421205077



YUVARAJA V R 312421205128 8.56



HARINI S M 312421205026 8.54



JENITHA J 312421205035 8.53



SUBHA G 312421205114 8.53



PRIYADHARSHINI R 312421205071 8.52



HEMAMALINIS 312421205029 8.51

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TOPPERS SECURED 8.5 CGPA & ABOVE (upto V SEM) BATCH 2022 - 2026



Ms. ABIRAMI K 312422205003



Ms. ASIKA 312422205016 CGPA: 9.38



Mr. JANARTHANAN K 312422205048 CGPA: 9.22



Ms. PAVITHRA T 312422205079 CGPA: 9.05



Ms. PRIYADHARSHINI J 312422205083 CGPA: 9.05



Ms. PUSHPALATHA V 312422205084 CGPA: 9.05



Ms. SRINIDHI S R 312422205107 CGPA: 9.05



Ms. AMRUTHA REDDY MEDAPATI 312422205011



Ms. DEEPHIKA R 312422205027 CGPA: 8.96



Ms. HARINI SHREE S 312422205039 CGPA: 8.92



Ms. KAVIYA S 312422205055



Ms. KEERTHANASRI R S 312422205057



Mr. KEERTHIVASAN D 312422205058



Ms. LANCIA M 312422205067 CGPA: 8.77



Ms. SIVA HARSHINI G 312422205103



Mr. HAARISH S 312422205037 CGPA: 8.70



Ms. BHUVANA S 312422205023 CGPA: 8.64



Ms. MOHANA PRIYA S 312422205075 CGPA: 8.64



Ms. SHIGEE J 312422205099 CGPA: 8.64



Mr. SUGANTH K 312422205110 CGPA: 8.64



Mr. SUNDAR D 312422205112



Ms. AKSHARA MEENU R 312422205008 CGPA: 8.60



Mr. HARISH 312422205041



Mr. GEERTHANA SILVIYA A 3124222050 CGPA: 8.51



312422205024 CGPA: 8.50



Mr. HARI P 312422205038 CGPA: 8.50



Ms. LAKSHASREE R 312422205065 CGPA: 8.50



Mr. SIVANESH KANNAN S 312422205104 CGPA: 8.50



Ms. THRAYAMIKA RAVICHANDRAN 312422205119 CGPA: 8.50



Mr. UDAY KUMAR MAURYA 312422205120 CGPA: 8,50



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TOPPERS SECURED 8.5 CGPA & ABOVE (UPTO III SEM)
BATCH: 2023-2027



RISHIKA A S 312423205178 CGPA: 9.47



MURJANAH SHAHUL HAMEED 312423205142 CGPA: 9.29



PRETHIKA S 312423205168 CGPA: 9.27



BALAJI R 312423205031 CGPA: 9.22



HARINI G 312423205076 CGPA: 8.83



SHARLYN BERNICE S 312423205208



312423205152 CGPA : 9.14



VISHWA V 312420205103



SANDHIYA G 312423205190 CGPA: 9.08



YOGA SREE N 312423205250 CGPA: 9.06



ANCY EBISHA P 312423205017 CGPA: 9.04



312423205013



DEJESWAR SASI KUMAR 312423205049 CGPA: 8.91



DHARAN M J 312423205052



SARAVANAKRISHNAN J 312423205199



NEHA SABARI SREE A 312423205151 CGPA: 8.80



SHARNISHA J 312423205209 CGPA: 8.78



ABIRAMI B L 312423205005 CGPA: 8.74



NITEESH KUMAR S K 312423205153



DINESH K 312423205059 CGPA: 8.72



GURUHARISH B 312423205075 CGPA: 8.71



DINESH KARTHICK V 312423205060 CGPA: 8.71



SHANMATHI K 312423205206 CGPA: 8.71



31242320519



ARAVINTH R 312423205023 CGPA: 8.69



THEEVANA P S 312423205230 CGPA: 8.68



BALAMURUGAN N 312423205032 CGPA: 8.68



MONISHRAJ P 312423205140 CGPA: 8.67



SACHIN B 312420205001 CGPA: 8.67















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BATCH: 2023-2027



312423205145 CGPA: 8.65



VARSHINI S 312423205233 CGPA · 8 65



DEVINOH HAFNI G 312423205051 CGPA: 8.64



THITHYA KRISHNAA N 312423205028 CGPA: 8.63



BARATHRAJ L 312423205035 CGPA: 8.62



BHAVATHARANI P 312423205039 CGPA: 8.62



SUHAIL A 312423205220



VETRIVEL R 312423205238 CGPA: 8.61



DHARSHINI C D 312423205053 CGPA: 8.61



NITHIN V 31242320515



MUTHARASI M 312423205143



312423205034



SUBASHINI T 312423205218



LAKSHMI VIDHULA R 312423205112 CGPA: 8.57



JOSEPH SUNDAR MARSHAL F V 312423205092 CGPA: 8.56



SYLASHRI RAJENDRA 312423205035



KANIMOZHI P 312423205096 CGPA: 8.54



31242205098



FAUNA JENITH M 312423205064



31242320508









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PLACEMENT ACHIEVEMENT



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2021-2025 BATCH

Congratulations

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STIPEND: 4.2 Lakhs Per Annum



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