



Our Institute/College offers multiple events to express their talents, knowledge and other skills. It is a wonderful platform to presen

t their innovative ideas, and it is a unique opportunity to evolve hitherto unseen concepts & models. Such events help the students hone their leadership qualities, organizational skills, ability to interact & team spirit. It encourages students to exhibit their creativity and amalgamates the students from various backgrounds under one name











# 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. **Professionalism:** To ignite the mindset, skill, attitude and core competence of students to produce graduates with **International Standards.** 

<u>Centre of Excellence</u>: 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.

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











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



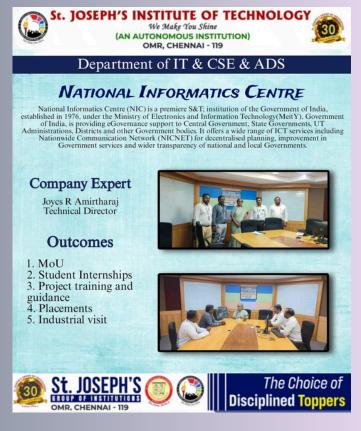
Our III Year IT - A students visited "Kakkum Karangal " Oldage Home in Thiruvanmiyur.

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.



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.





Mr. Joycs Amirtharaj welcomed the delegation from our department and provided an overview of Tech Innovators' current projects, technological advancements, and future goals. Our HOD presented the academic programs and research initiatives of the institute, emphasizing the importance of industry collaboration.



IT HOD Our Department Dr. K.Vijayakumar and Staff Mr.K.P.Sriram interacted with the company Experts regarding Industry Institute Collaboration. The purpose of this interaction was to establish a collaborative relationship St. Joseph's Institute between of National **Informatics** Technology and Centre.

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

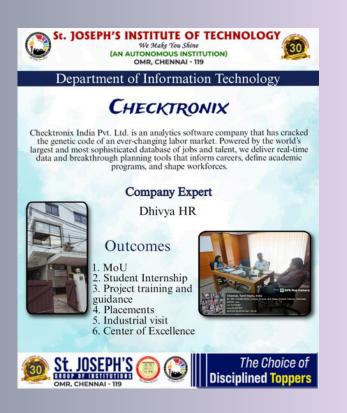


During Discussion, they discussed potential areas of collaboration, including student internships, guest lectures by industry experts, joint research projects, and curriculum development.

Explored the possibility of setting up an industry-sponsored lab at the institute to facilitate hands-on learning for students.

Addressed the need for industry-specific training programs to bridge the gap between academic learning and industry requirements.





Both parties expressed a strong interest in collaborating on various initiatives. Tech Innovators is willing to share resources and expertise to enhance the practical knowledge of students.

Identified potential research areas where joint projects could be initiated, particularly in AI and machine learning.



They also Visited Checktronix India Pvt Ltd a leading technology firm specializing in software development, AI, and machine learning solutions located in Sindhadaripettai.

Ms. Dhivya welcomed the delegation from our department and provided an overview of Tech Innovators' current projects, technological advancements, and future goals.



At last the journey stopped at Virdhi Tech Lab a Design and Development Company. The interaction between these Companies were highly productive and set the stage for a strong mutually beneficial and partnership. Bv leveraging each other's strengths. Our Department can enhance the educational experience of students and contribute to technological advancements. Continued collaboration and regular communication will be key to achieving the goals set during this interaction.



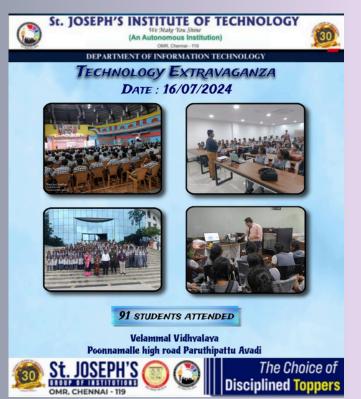


Our Department organized a series of events for local school students, including academic workshops, Competitions Conducted interactive science experiments and demonstrations for middle school students to spark their interest in STEM fields.

Over 300 students from various local schools participated in the events, demonstrating high levels of enthusiasm and engagement. The events increased students' interest in pursuing higher education and participating in technical Competitions. **Our College Conducts School Events in the** Month of July and August and invited Many schools to participate in the events. There are many domains and Technologies to explore, and students will get exciting Prize Money and certificates. The purpose of conducting school events at our college is to foster collaboration between the college schools. and local provide enriching experiences for school students. and showcase the college's facilities and programs. Our college is committed to community engagement and enhancing educational experiences for all age groups.







Analysed feedback from participants to identify specific areas for improvement and implement changes for future events. Provided additional training for volunteers to ensure smooth execution of events and activities. Improved resource management to ensure all activities are well-supported.



School Events improved logistical planning for better coordination of event schedules and transportation.

Ensures adequate resources and materials are available for all workshops and activities. Enhanced promotional efforts to reach a wider audience and encouraged more schools to participate.



Established the school events as an annual tradition to maintain ongoing engagement with local schools.

Developed partnerships with more schools and educational organizations to expand the reach and impact of the events.

These are the important aspects to reach our goals, i.e., to encourage school students to participate in competitions and develop knowledge.











Expanded the range of programs offered to include new and diverse activities based on student interests and feedback.



The school events conducted at our college were a resounding success, providing valuable experiences for local school students and strengthening community ties. The positive feedback and high levels of participation reflect the importance and impact of such initiatives.

With continued effort and improvement, these events can become a cornerstone of the college's community engagement efforts.



The purpose of the alumni talk 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.

Our department regularly organizes alumni talks to bridge the gap between former students and current ones. These sessions aim to offer guidance, mentorship, and practical tips on career planning and placement preparation.

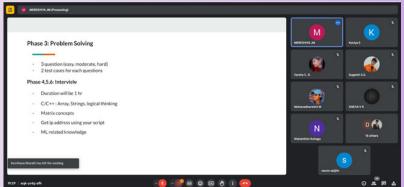


Ms. J M Mereshiya shared her journey from our College to her current role at Multicoreware.

Discussed the challenges she faced and how she overcame them.

Emphasized the importance of continuous learning and staying updated with industry trends.

She explained the Importance of a wellstructured resume, tailored to the job description.



Mr Rohith Sai and Mr Raj Kumar from Kaar Technologies shared their journey to get placed in company. They mentioned Skills and certifications that are in high demand.

High levels of engagement during the Q&A session, with students asking insightful questions.



Increased motivation among students to prepare effectively for placements. The alumni talk by our Elight Alumnus was a resounding success, providing students with practical advice and motivation for their placement journey.

The positive feedback and high level of engagement indicate the value of such interactions.



Chamaria from Zoho Mr. Anish Corporation working Backend as a Developer, Mr B Logachander working as Associate Software Engineer at Agira Technologies Inc, Mr S Dakshin working as Programmer Analyst in CTS have inspired speech and discussed about various expectations in IT Industry and Hands on training on C Aptitude.

Received positive feedback from students who found the session informative and motivating. Students gained valuable insights into the job market and placement preparation. Students had the opportunity to connect with an industry professional and gain mentorship.



Moving forward, regular alumni talks and targeted workshops can further enhance students' readiness for the job market.





- Our Department Students Mr. Harishraj B got an Intern Offer from MyWays with Rs.18000 stipend per month.
- Mr. AshwinKumar K B got an Intern Offer from Turing Company with Rs.3.5 Lacs stipend per Annum.



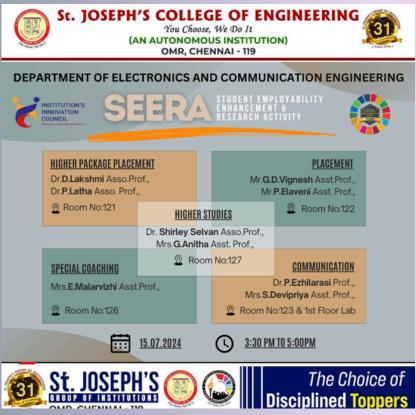


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# **SEERA ACTIVITIES**



Program aims to prepare students for interviews through mock sessions and feedback.

In this Program Mr Santhosh from DreamDart Company our elite Alumni invited to discuss about technical challenges in placement.

This session provided for college placement has proven to be an effective initiative in preparing students for the job market. The program's structured approach and comprehensive content have significantly enhanced students' readiness for placement, with notable improvements in job search skills and overall placement rates.

The Continued refinement and expansion of the program could further enhance its impact. SEERA Class in our college is designed facilitate to successful placement for students. The our primary aim of this initiative is to equip students with the skills, knowledge, and confidence required to excel in the competitive placement process.

This program is provided to encourage students with the necessary skills and knowledge to effectively navigate the job market.









# DEPARTMENT OF INFORMATION TECHNOLOGY & ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

## CONGRATULATIONS

The Management, Principal, and Faculty members are pleased to congratulate the following for getting selected for a Grant of Rs. 3,50,000 /- by AICTE to conduct the ATAL Faculty Development Program.

AICTE Sponsored ATAL Faculty Development Program (6 Days)

**Title:** Artificial Intelligence Techniques for Advancing Medical Data Processing and Health Care Coordinator Dr. K.Vijayakumar Professor &Head /IT

Co-Coordinator Dr. R. Priscilla Professor & Head / ADS

Grant: Rs. 3,50,000 /-





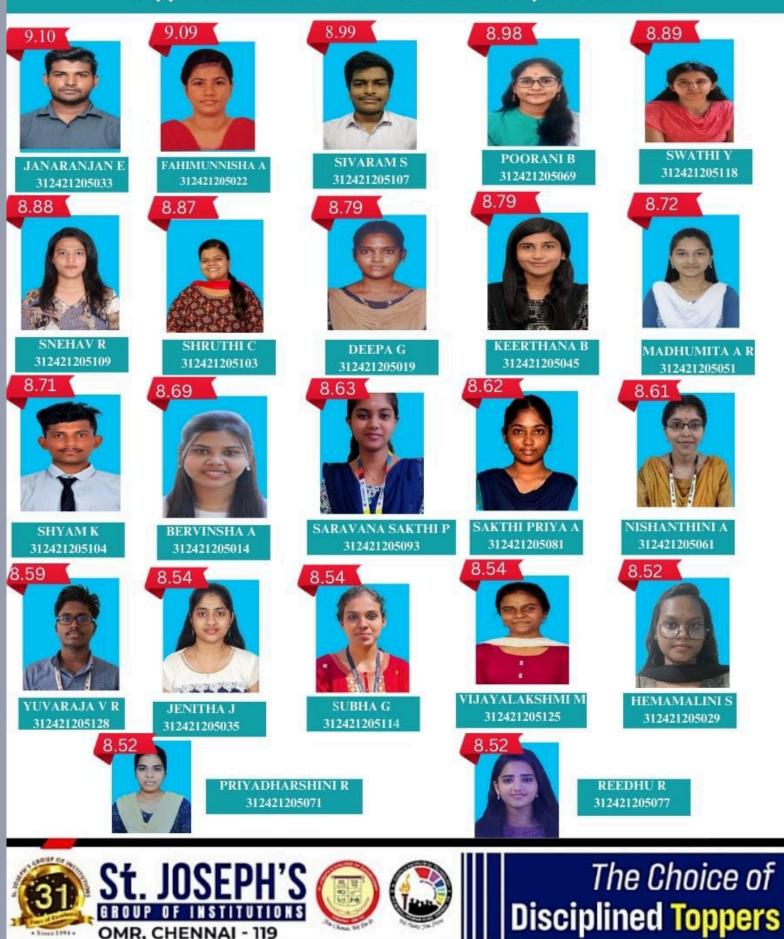
- Dr. K Vijayakumar, our Department HOD to be a coordinator to conduct AICTE ATAL sponsored FDP for 6 days on the title "Artificial Intelligence Techniques for advancing Medical data processing and Healthcare"
- Dr. D.Logeshwari and Dr. F Sangeetha Francelin vinnarasi attended Five Days FDP (Physical Mode) conducted by SJCE, CSE DEPT collaborated with NITTTR, Chandigarh on "OPENCV FOR IMAGE AND VIDEO PROCESSING APPLICATIONS".
- Ms. A Nithya attended six days physical mode FDP organized by MIT on "4G/5G Communication Networks".
- Ms. N. Gowri Vidhya published Patent on "A Compact Inset Coupled-Fed Triangular Patch Antenna for Wideband 5G Applications".
- Ms. T. Manju published Patent on "AI driven Mathematical Optimization technique for Electric Vehicles Charging Station Allocation".
- Dr. D. Logeshwari published SCI paper on "Differential Privacy-Preserving IoT Data Sharing Through Enhanced PSO" in Journal of Computer Information SystemsJuly2024,ISSNNo:0887-4417, https://doi.org/10.1080/08874417.2024.2364904
- Dr.L.Javid Ali published SCI paper on "Efficient resource allocation in heterogeneous clouds: genetic water evaporation optimization for task scheduling"July2024ISSNNo: 1863-1711Volume: 18, Issue:5; pp: 3993 4002 https://doi.org/10.1007/s11760-024-03006-6
- Dr. K. Vijayakumar published SCI paper on "Integrated global and local feature extraction and classification from computerized tomography (CT) images for lung cancer classification"Bratislava Medical Journal ISSN No: 0006
  -9248 Volume: 124; Issue: 4; doi: 10.4149/BLL 2024 34; PP: 223 232
- Mr.K P Sriram published SCI paper on "Efficient Net-deep quantum neural networkbased economic denial of sustainability attack detection to enhance networksecurityincloud"ISSNN0:095498Xhttps://doi.org/10.1080/0954898X.2024.23610 93
- Dr. K. Vijayakumar published paper on "Development of a Novel UDL-Model for Dental Abnormality Detection from Digital Photographs" 2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)ISBN:979-8-3503-6509-2DOI: 10.1109/ICONSTEM60960.2024.10568692
- "Virtual Palette: Enhancing Interactive Education through Advanced Object Tracking with OpenCV"2024 International Conference on Computing and Data Science(ICCDS)ISBN:979-8-3503-6533-7DOI: 10.1109/ICCDS60734.2024.10560432



- Ms. N. Gowri Vidhya published paper on "Advancing Brain-Computer Interaction: EEG-based Eye Movement Recognition with AI" 2024 International Conference on Inventive Computation Technologies (ICICT) ISBN:979-8-3503-5929-9 DOI: 10.1109/ICICT6015.2024.10544675
- "Deep Transfer-Learning Assisted Healthy/Disease Strawberry Leaf Images Classification" 2024 Ninth International Conference on Science Technology Engineering and Mathematics(ICONSTEM)ISBN:979-8-3503-6509-2 DOI: 10.1109/ICONSTEM60960.2024.10568687
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- "Lung Cancer Detection Using Transfer Learning Algorithm"2024 International Conference on Communication, Computing and Internet of Things (IC3IoT)ISBN:979-8-3503-5268-9DOI: 10.1109/IC3IoT60841.2024.10550399
- Ms.R.Augasthega published paper on "Detection of Foot-Ulcer from Digital Photographs using MobileNet Variants with Features Fusion"2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)ISBN:979-8-3503-6509-2DOI: 10.1109/ICONSTEM60960.2024.10568675
- Ms.A.Nithya published paper on "Optimizing Smart Methane Farms: Intelligent Waste Sorting for Maximum Biogas Yield through Naive Bayes and IoT Integration"10th International Conference on Communication and Signal Processing-ICCSP2024ISBN:979-8-3503-5306-8DOI: 10.1109/ICCSP60870.2024.10544271
- Mr. P. N. Karthikayan published paper on "Enhancing Energy Efficiency in WSN Through Multiple Cluster Head Selection and Fuzzy Logic"2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science(AMATHE)ISBN:979-8-3503-7156-7DOI: 10.1109/AMATHE61652.2024.10582197

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The number one benefit of information technology is that it empowers people to do what they want to do. It lets people be creative. It lets people be productive. It lets people learn things they didn't think they could learn before, and so in a sense it is all about potential.

– Steve Ballmer —

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