



NEWSLETTER



Our college offers multiple events to express their talents, knowledge and other skills. It is a wonderful platform to present 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



OCTOBER MONTH

IT
DEPARTMENT





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.

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

Career guidance: 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



PhD VIVA VOCE EXAMINATION

On Oct 18, 2024 our Department of IT conducted the viva voce examination which is focused on M. Sasikumar's research regarding hierarchical optimized resource utilization for cloud content delivery networks (CDNs) in Seminar Hall by our professor Dr. F Sangeetha.

This work addresses critical challenges in efficiently managing resources in cloud environments, especially with the increasing demand for high-quality content delivery.



The viva began with a detailed presentation by M. Sasikumar, summarizing his research objectives, methodology, and key findings in front of the Supervisor Dr Jesu Jayarin and our Department HOD Dr. K Vijayakumar and department staff members.

M. Sasikumar employed a comprehensive approach that included, Hierarchical Architecture Design: A multi-tier model that facilitates resource management across various layers, including physical and virtual resources. Conducting simulations to measure the effectiveness of the proposed model using key metrics such as latency reduction, bandwidth utilization, and operational costs.



The examination committee praised M. Sasikumar for his innovative contributions to optimizing resource utilization in cloud CDNs. The research was acknowledged as a significant advancement in the field, with practical implications for enhancing content delivery performance.



ALUMNI TALK



St. JOSEPH'S INSTITUTE OF TECHNOLOGY
We Make You Shine
(AN AUTONOMOUS INSTITUTION)
OMR, CHENNAI - 119

Department of Information Technology

ALUMNI TALK
ON
SOFTWARE TESTING (Exclusively for IV Year IT)

ABARNA B
(2014-2018 BATCH)

Testing Lead
BNY
Chennai

09/10/24
10:00AM - 11:30 AM
AV HALL III

St. JOSEPH'S
GROUP OF INSTITUTIONS
OMR, CHENNAI - 119

The Choice of
Disciplined Toppers

On Oct 09, 2024, our Dept of IT had the privilege of hosting an engaging alumni talk led by Aparna B, a Testing Lead at BNY Chennai. The session aimed to provide insights into the field of software testing, emphasizing its importance in the software development lifecycle. Aparna, an alumna of our college, shared her professional journey and experiences, offering valuable guidance to current students.

Aparna started by defining software testing and its critical role in ensuring software quality. She explained the various types of testing, including functional, non-functional, manual, and automated testing. Her insights not only motivated the students but also helped them appreciate the practical applications of their studies.



INDUSTRY INSTITUTE INTERACTION



St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119

DEPARTMENT OF INFORMATION TECHNOLOGY
INDUSTRY INTERACTION VISIT
MONOLITH RESEARCH AND TRAINING LABS PVT LTD.

Monolith Research and Training Labs prepares a future-ready workforce and offers global training for current technologies and emerging job roles.

Date
09.10.2024

Company expert
Mr. DINESH CEO

OUTCOMES

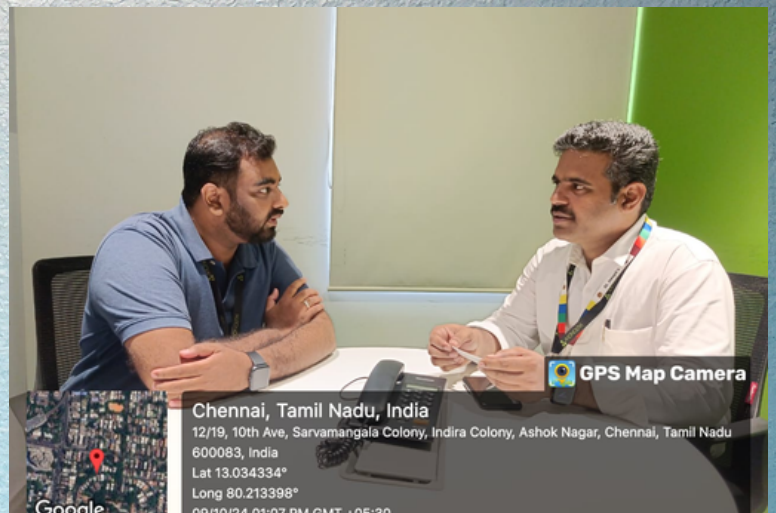
- Student Internship
- Industrial Visit
- FDP
- Student workshop
- Guest lecture
- Center of Excellence



St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 119

The Choice of Disciplined Toppers

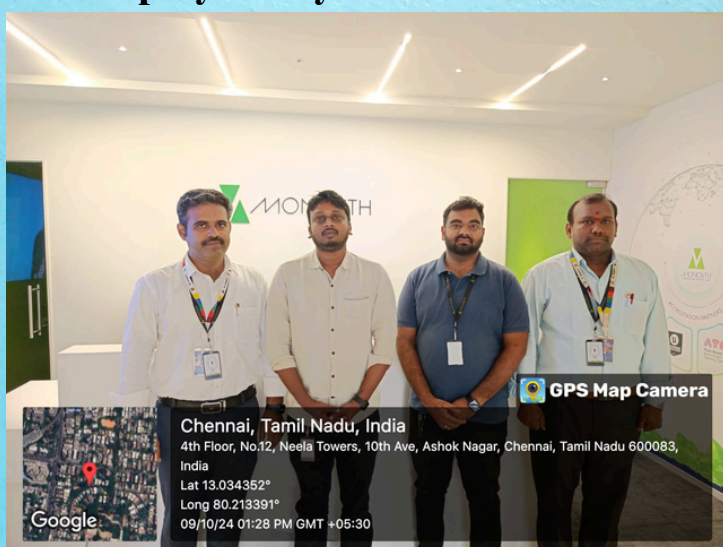
On Oct 09 2024, a productive industry-institute interaction was held at Monolith Research and Training Labs Pvt Ltd. The event aimed to strengthen collaboration between academia and industry, fostering knowledge exchange and exploring opportunities for research and training partnerships.



Dr. Vijayakumar opened the session with a presentation on the institute's strengths, research capabilities, and the curriculum designed to meet industry standards. He emphasized the importance of practical training and real-world applications in education. Discussed potential training programs and workshops that could benefit students and faculty, enhancing skill development and employability.

Mr. Sriram shared valuable insights on the latest technological advancements and skills that are in high demand in the industry. He highlighted the need for students to be well-versed in emerging technologies such as AI, data analytics, and IoT.

Monolith Labs representatives discussed various training programs they could offer to students, including workshops on specialized tools and technologies. They also outlined potential internship opportunities that would allow students to gain hands-on experience.



INDUSTRY INSTITUTE INTERACTION

On Oct 09, 2024, Our IT Dept organized an industry-institute interaction in Sri Ramachandra Institute of Higher Education and Research aimed at bridging the gap between academic learning and industry requirements. The event featured presentations and discussions led by Dr. Vijayakumar and Mr. K.P. Sriram, focusing on collaborative opportunities for research, training, and student engagement.

St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119

DEPARTMENT OF INFORMATION TECHNOLOGY
INDUSTRY INTERACTION VISIT
SRIIC - BIRAC - BioNEST - Bioincubator
SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION RESEARCH

The Central Research Facility, established in 2007, supports students, researchers, and faculty with research planning, finances, and documentation. It also provides advanced equipment and a University-Industry Liaison Centre with an IRP/Patents Cell for innovation and collaboration.

Date
09.10.2024

Incubation Head
Dr. ANAND

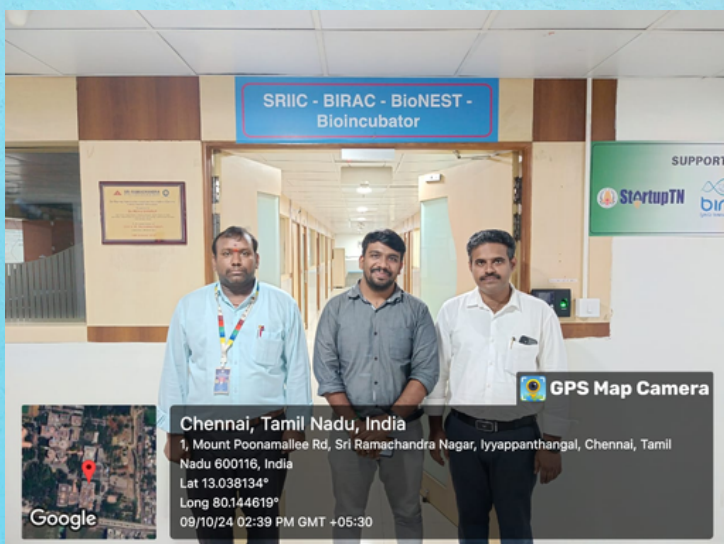
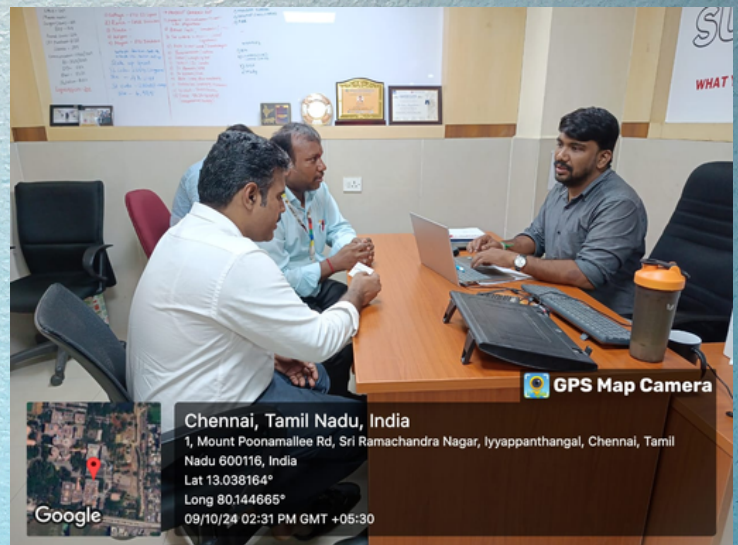
OUTCOMES

- Student Internship
- Industrial Visit
- FDP
- Student workshop
- Guest lecture
- MoU

St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 119

The Choice of Disciplined Toppers

The session included a discussion on potential collaborative projects, internships, and research initiatives. Industry representatives expressed interest in working closely with the institute to develop programs that meet both academic and practical needs. Discussed about current industry trends and skill requirements, ensuring that the academic curriculum aligns with market demands.



The industry-institute interaction at Sri Ramachandra Institute of Higher Education and Research was a fruitful engagement that highlighted the importance of collaboration between academia and industry. The insights shared during the event will play a crucial role in shaping the curriculum and enhancing the overall educational experience for students.

INAUGURAL OF IPR CELL

On Oct 29, 2024, the IT Department with St. Joseph's Institute of Technology inaugurated its Intellectual Property Rights (IPR) Cell, a significant initiative aimed at promoting awareness and understanding of intellectual property among students and faculty. The event marked a commitment to fostering innovation and protecting the intellectual creations of the institute's community.



A panel of experts engaged in a lively discussion on the challenges and opportunities in the realm of IPR. Topics included the importance of IP in entrepreneurship, strategies for commercialization, and the evolving landscape of global IP laws.

A detailed presentation was outlined various types of intellectual property (patents, trademarks, copyrights) and the process of applying for and managing them. The speaker also highlighted successful case studies where IPR played a crucial role in protecting innovations.

A panel of experts engaged in a lively discussion on the challenges and opportunities in the realm of IPR. Topics included the importance of IP in entrepreneurship, strategies for commercialization, and the evolving landscape of global IP laws.

A detailed presentation was outlined various types of intellectual property (patents, trademarks, copyrights) and the process of applying for and managing them. The speaker also highlighted successful case studies where IPR played a crucial role in protecting innovations.

WORKSHOP

On October 28 and 29, 2024, a comprehensive workshop on Augmented Reality (AR) and Virtual Reality (VR) was conducted for 2nd year students. The workshop aimed to provide students with hands-on experience and a deeper understanding of AR and VR technologies, their applications, and potential career paths in this rapidly evolving field.



The workshop commenced with an opening address by Mr. Dinesh, Tech Lead in Monolith Training and Research Labs who highlighted the significance of AR and VR in various industries, including gaming, education, healthcare, and entertainment.

An expert from the field, Mr K Arun, provided an overview of AR and VR technologies, discussing their differences, use cases, and future trends.

Students participated in hands-on activities where they explored AR and VR tools, such as Unity and Vuforia. They learned the basics of creating simple AR applications and VR environments.



At the end of the workshop, student groups presented their AR/VR projects. This included demonstrations of their applications, showcasing creativity and technical skills.



WORKSHOP

On October 28 and 29, 2024, a two-day workshop on Java programming was held for 2nd year students. The workshop aimed to enhance students' understanding of Java, one of the most widely used programming languages, by providing both theoretical knowledge and practical experience.



Mr. J Anand delivered a session covering the fundamentals of Java, including data types, control structures, and object-oriented programming concepts such as classes and inheritance.

Students participated in hands-on coding exercises using an Integrated Development Environment (IDE). They wrote simple Java programs, gaining familiarity with syntax and structure.

The second day focused on advanced Java topics, including exception handling, file I/O, and collections. The session was led by Mr. Sivakumar, who provided real-world examples to illustrate these concepts.

The 2-day workshop on Java was a significant educational experience for 2nd year students, enhancing their programming skills and understanding of Java.



WORKSHOP

On October 28 and 29, 2024, a comprehensive workshop on the Internet of Things (IoT) was held for 2nd year students. The workshop aimed to introduce students to the fundamental concepts of IoT, explore its applications, and provide hands-on experience with IoT technologies.



Mr Jagadeesan presented an overview of IoT, discussing its architecture, components, and communication protocols. The session covered key concepts such as sensors, actuators, and cloud computing.

Students participated in a hands-on session where they learned to set up basic IoT devices using platforms like Arduino or Raspberry Pi. They experimented with connecting sensors and collecting data.

Students were divided into groups and tasked with developing a simple IoT project. They designed applications such as smart home systems or environmental monitoring setups, applying the knowledge gained from the previous sessions.

The blend of theoretical knowledge and practical experience equipped students with the skills necessary to explore further opportunities in this dynamic field.



Faculty Achievement

- **Dr. D. Logeshwari** from IT Department published IEEE Conference Paper on “Inclusion of kinesthetics feedback with vision to improve the control of neural activity of the primary motor cortex” on Oct 2024 ISSN No: 2665-9174 Volume 35, Issue 1, pp: 1 – 8. DOI: <https://doi.org/10.1016/j.measen.2024.101276>.
- **Dr.L.Javid Ali** from IT Department published IEEE Conference Paper on “HSSAGWO Scheduler for Efficient Task Scheduling in an IaaS Cloud Computing Environment”, International Journal of Intelligent Engineering & Systems, Oct 2024, ISSN No: 2185-3118, Volume: 17, Issue:5; pp: 118 - 129 DOI: 10.22266/ijies2024.1031.11
- **Dr.R.Deepa** from IT Department published SCIE Paper on “ From leaf to harvest: achieving sustainable agriculture through advanced disease prediction with DBN&EKELM” in Journal of the Science of Food and Agriculture, Oct 2024, Volume: 104, Issue:13; pp: 8306 - 8320 <https://doi.org/10.1002/jsfa.13665>
- **Ms. T Manju** from IT Department published IEEE Conference paper on “ DeepSight: Enhancing Deepfake Image Detection and Classification through Ensemble and Deep Learning Techniques” 2024 5th International Conference on Image Processing and Capsule Networks (ICIPCN), September 2024, ISBN: 979-8-3503- 6717-1, DOI: 10.1109/ICIPCN63822.2024.00014
- **Ms Mary Joseph** from IT Department published patent on "TRAFFIC PREDICTION SYSTEM IN SMART CITY USING ARTIFICIAL INTELLIGENCE" Application No.202441061615
- **Dr. F Sangeetha** from IT Dept secured Elite certificate in NPTEL for successfully completed the course “Data Science for Engineers” .
- **Dr. B Senthilnayaki** from IT Dept secured Certificate in NPTEL for successfully completed the course “Python for Data Science”.
- **Dr. L.Javid Ali**, Associate Professor, Dept of IT has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Artificial Intelligence Techniques for Advancing Medical Data Processing and Health Care at ST.JOSEPH'S INSTITUTE OF TECHNOLOGY from 23/09/2024 to 28/09/2024.
- **Mr P N Karthikayan** from Dept of IT received Silver Certificate from NPTEL for successfully completed “Demystifying Networking” course
- **Ms N Gowri Vidhya** from Dept of IT received Certificate from NPTEL for successfully completed “Research Methodology” course
- **Dr D Logeswari** from Dept of IT received Silver Certificate from NPTEL for successfully completed “Data Science for engineers” course
- **Ms R Augasthega** from Dept of IT received Silver Certificate from NPTEL for successfully completed “Design Thinking-A Primer” course

Student Achievement

Department of Information Technology pleased to announce that Keerthivasan D from III IT A has been selected as a MyGov Campus Ambassador! This prestigious role reflects Keerthivasan's dedication and enthusiasm for engaging with the community and promoting government initiatives.



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



DEPARTMENT OF INFORMATION TECHNOLOGY

Congratulations!

Congratulations **KEERTHIVASAN D**
on becoming an **MyGov campus ambassador!**

BATCH 2022-2026



Congratulations
THIS IS TO CERTIFY THAT
Keerthivasan D
Is now a MyGov Campus Ambassador

We are confident that your skills, creativity, and passion will make a meaningful contribution to Nation Building.


Akash Tripathi (IAS)
CEO, MyGov



KEERTHIVASAN D



St. JOSEPH'S
GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



The Choice of
Disciplined Toppers

Student Achievement



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
 (An Autonomous Institution)
St. Joseph's Group of Institutions
 OMR, Chennai - 119



DEPARTMENT OF INFORMATON TECHNOLOGY

CONGRATULATIONS

The Management, Principal, Faculty members and students are pleased to congratulate the following students for winning **THIRD prize in CRYPTRIX 2024 – A National Level Technical Symposium** held on **28th September 2024**, conducted by **St. Joseph's College of Engineering**.

S. No	Name of the Students	Year	Date	Event	College	Place won & Prize Amount
1.	SANDHIYA G	II	28 th Sept 2024	AI ARENA	St. Joseph's College of Engineering	III (Rs.1000)
2.	VISHWA V					
3.	VETRIVEL R					
4.	SATHYAMOORTHY P					



CHAIRMAN

Student Achievement



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119



Approved by AICTE, New Delhi and Permanently Affiliated to Anna University



DEPARTMENT OF INFORMATON TECHNOLOGY

CONGRATULATIONS

The Management, Principal, Faculty members and students are pleased to congratulate the following students for winning **SECOND** prize in **CICADA 2024** – Organized by **WHITE HAT HACKERS CLUB** of CSE Dept. held on **30th September 2024**, conducted by **SRM Institute of Science and Technology**.

S. No	Name of the Students	Year	Date	Event	College	Place won & Prize Amount
1.	VARUNESH B	II	30 th Sept 2024	HIT THE BUG	SRM Institute of Science and Technology	II (Shield and Certificate)
2.	SHARLYN BERNICE S					
3.	VINISHA AKANYA A					



CHAIRMAN

Student Achievement



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
 (An Autonomous Institution)
St. Joseph's Group of Institutions
 OMR, Chennai - 119



Approved by AICTE, New Delhi and Permanently Affiliated to Anna University

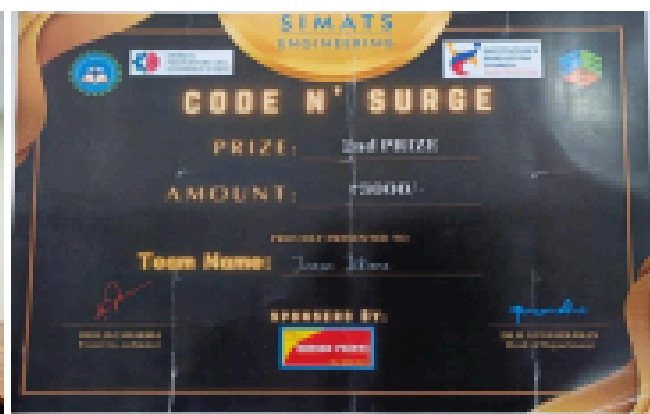


DEPARTMENT OF INFORMATON TECHNOLOGY

CONGRATULATIONS

The Management, Principal, Faculty members and students are pleased to congratulate the following students for winning **Second prize in the CODE N' SURGE in a Technical Event held on 24th September 2024, conducted by SIMATS Engineering, Chennai-124.**

S. No	Name of the Students	Year	Date	Event	College	Place won & Prize Amount
1.	Abirami K	III	24 th Sept 2024	CODE N' SURGE	SIMATS Engineering	II (Rs.3000)
2.	Aldria Lijo E M					
3.	Giflin Godshia D S					
4.	Hari P					
5.	Harish B					



CHAIRMAN

Student Achievement



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119



Approved by AICTE, New Delhi and Permanently Affiliated to Anna University



Department of Information Technology **Circular**

The Management, Principal, and Staff members congratulate the following students who have secured **THIRD PRIZE** in the **MATH HACKATHON** and **WINNER-up** in **HUMAN CALCULATOR** event during "**SYMMETRON-I 2024**" a National Level Technical Symposium held on 09th October 2024, conducted by Saveetha Institute of Medical and Technical Sciences, Thandalam, Chennai-602105.

STUDENT NAME	EVENT NAME	YEAR	PRIZE
VISHWA V	MATH HACKATHON	II	CERTIFICATE & TROPHY
SANDHIYA G			
SATHYAMOORTHY G			
YOGASREE N			
SARAVANA KRISHNAN J	HUMAN CALCULATOR		
SELVA T			



Chairman

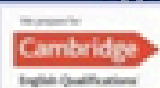
Student Achievement



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119



Approved by AICTE, New Delhi and Permanently Affiliated to Anna University



Department of Information Technology Circular

The Management, Principal, and Staff members congratulate the following students who have secured Runner-up in the puzzle contest event during "SYMMETRON-I 2024" a National Level Technical Symposium held on 09th October 2024, conducted by Saveetha Institute of Medical and Technical Sciences, Thandalam, Chennai-602105.



Student Name	Symposium Name	Year	Prize
ATHMIYA, J	SYMMETRON-I 2024	II	TROPHY
BHAVATHARANI, P			
CHRIS HALDEN, C			
DHARAN, MJ			
DINESH KARTHICK, V			



Chairman

Student Achievement

- **Nivetha K from IT Dept has been successfully completed NPTEL online certification course on “Python for Data Science”**
- **Mohitha R from IT Dept has been successfully completed NPTEL online certification course on “Python for Data Science”**
- **Ramya M from IT Dept has been successfully completed NPTEL online certification course on “Python for Data Science”**
- **Niranjana Devi P C from IT Dept has been successfully completed NPTEL online certification course on “Programming, Data Structures and Algorithms using Python”**
- **NEHA SABARI SREE A from IT Dept has been successfully completed NPTEL online certification course on “Python for Data Science”**
- **MENAHA KUMARI KK from IT Dept has been successfully completed NPTEL online certification course on “Python for Data Science”**
- **Monica S from IT Dept has been successfully completed NPTEL online certification course on “Python for Data Science”**
- **Mohammed Asif S M from IT Dept has been successfully completed NPTEL online certification course on “Python for Data Science”**
- **SAHANA JEEVA RATHINAM J from IT Dept has been successfully completed NPTEL online certification course on “Python for Data Science”**
- **SYLASHRI RAJENDRAN from IT Dept has been successfully completed NPTEL online certification course on “Data Base Management System”**
- **PRETHIKA S from IT Dept has been successfully completed NPTEL online certification course on “Design Thinking - A Primer” and received Gold Batch**
- **Mohammed Arfan S M from IT Dept has been successfully completed and Got Silver NPTEL online certification course on “Python for Data Science” and received Silver Batch**

Placement Achievement



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



DEPARTMENT OF INFORMATION TECHNOLOGY

Congratulations

accenture

ACCENTURE PLACED STUDENTS



ABI MEENA KANNAN



BAJINO



JANARANJAN



KEERTHANA



LAVANYA SAMPATH



MADHUMITA



NITHESH RAVI



PRIYADHARSHINI
RAMESH



ROHITH
CHELLAKUMAR



SAHITHYAA
SARAVANAN



SHANGEETHA



SHANMUGAVASAN



SNEHA



SWATHI
YUVARAJA



THIRUKUMARAN



VARSHA



VIJAYALAKSHMI



St. JOSEPH'S
GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



The Choice of
Disciplined Toppers

Placement Achievement



DEPARTMENT OF INFORMATION TECHNOLOGY MASTECH INFOTRELLIS PLACED STUDENTS

Congratulations

MASTECH
infoTrellis

CTC
6.5
LAKHS
PER ANNUM

BATCH 2021-2025



**JENITHA JESHRUN
DINAKARAN**



**NALLAGUNDLA
SAHITHI**



**NISHANTHINI
AZHAGU**

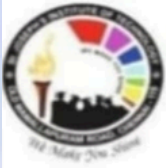


**PRANAVI
KARTHIK**



CONGRATS

Placement Achievement



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



DEPARTMENT OF INFORMATION TECHNOLOGY

Congratulations
Infosys



BATCH
2021-2025



ANNAPOORANI M.T



DHANUSH N



HEMAMALINI S



MARIA JOE GIFTA B



MOHANADHARSHINI M



NITHYASHREE G R



St. JOSEPH'S
GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



The Choice of
Disciplined Toppers

Technology is nothing.
What's important is that
you have a faith in people,
that they're basically good
and smart,
and if you give them tools,
they'll do wonderful things
with them.

STEVE JOBS



Take, therefore, what modern technology is
capable of: the power of our moral sense
allied to the power of communications and
our ability to organize internationally. That,
in my view, gives us the first opportunity as
a community to fundamentally change the
world.

— *Gordon Brown* —

AZ QUOTES



EDITORIAL BOARD

Dr.K.Vijayakumar

HOD

Staff Member

Mrs. A. Saranya

Mr. G R Abijith