ISSUE : 2 VOL : 6 AUGUST 2024

Excelsios

St. JOSEPH'S COLLEGE OF ENGINEERING - WEEKLY NEWSLETTER

EXPLORING BEYOND
THE CLASSROOMS

AICTE IDEA LAB

LABS
TO WORKSPACE

FROM



MODERN & HIGH TECH

EQUIPMENT IN LAVISH DESIGN SPACES

St. JOSEPH'S



COLLEGE OF ENGINEERING

(An Autonomous Institution)

St. JOSEPH'S GROUP OF INSTITUTIONS

OMR, CHENNAI - 119



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ABOUT THE COLLEGE

- O St. Joseph's College of Engineering is having 30 years of successful academic reputation offering 11 UG programs and 3 PG programs with a current intake of more than 1750 students per year.
- O Since inception, our Institution is consistently placed among the Top 10 institutions in terms of number of ranks. So far 1553 ranks including 57 Gold medals and 56 Silver medals have been secured by students. The college has been in 1st Place for 4 times in terms of fetching highest numbers of Anna University ranks.
- The College is continuously being ranked by in National Institutional Ranking Framework (NIRF) since 2017 and ranked in '101 150 band' at National Institutional Ranking Framework under Innovation category (NIRF- Innovation 2023).
- O Accredited with A+ grade by securing 3.46 on a scale of 4.00 by National Assessment and Accreditation Council (NAAC).
- O 10 departments have been recognized as 'Research Centers' by Anna University to pursue Ph.D. and also recognized as 'Scientific and Industrial Research Organization' (SIRO) since 2014 by DSIR, Government of India.
- Our institution has received 2nd Rank in Performers band of NSIIR 2023 (National Sustainability Impact Institutions Ranking) organized by NITI AAYOG & ATAL Innovation Mission for our initiatives in support United Nation's Sustainable Development Goals.
- Our research publications have resulted in fetching Scopus h-index 67 and Web of Science h-index 59 for our institution.
- Our institution is the recognized 'Linguaskill Centre' for Cambridge English Assessment in India & one among 25 South Asia Best Preparatory Centers for Business English Certification (BEC).
- O So far 57 Sponsored Research Projects to the value of Rs. 5.04 Crores and 48 Faculty Training Programs with a grant of Rs.71.51 lakhs and FIST grant of Rs.71 Lakhs were received from AICTE, NRB, DST, SERB, DBT, NRDMS, ISRO, TNSCST & Anna University etc.
- O INAE Innovative Project Awards (21 Projects) were bagged by our students for their innovative projects.



ABOUT THE COLLEGE

- Our Institution is selected under the National level "Unnat Bharath Abyan Programme" by MHRD Government of India and Skill and Personality Development program Centre (SPDP) for SC/ST by AICTE, and received a grant of Rs.17 lakhs grant under PMKVY program.
- O Won First AICTE-ECI Chhatra Vishwakarma award in 2017 as a Best Institute at National level.
- O Won 1st position in "Utkrisht Sansthan Vishwakarma Award", 2020 by AICTE in association with Ministry of Human Resource and Development (MHRD).
- Secured AICTE-Lilavati Awards in 2021 and 2022: Winner under the stream of Women Security, Runner under Hygiene and Sanitation themes in 2021 and Runner in Women Empowerment 2022.
- College has secured 4star rating for the activities carried out in the campus by Institution's Innovation Council (IIC). In 2023 the college has received 4 project grants worth of Rs.56

 Lakhs for Business incubation by MSME, MOE, & Government of India
- O Consistently our students are securing winning positions in National Level Innovative idea competitions such as AICTE Smart India Hackathon in Hardware and software, Toycathon, Mapathon etc.
- O We have Secured 58th Rank by Internshala Annual Ranking 2023 and our Institution is consistently awarded "National Employability Award" every year since 2017 by Aspiring Minds.
- Our college is recognized as India's Best Engineering Institute 2023 with AAAA rating by Careers 360 organization.
- Our Institution is listed in India Book of Records for hosting National Level FDP on Cloud Infrastructure organized by BRAIN O VISION, and supported by AICTE, Ministry of Education, Govt. of India.





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INDUSTRY COLLABRATION

Department of EEE, faculties Dr. Venmathi M & Ms. R. G. Nirmala Have visited the following companies and had discussion about internship, MOU, guest lecture, VAC and consultancy work.

- Ampere VLSI Academy, Ekkatuthangal.
- Andritz technologies pvt Ltd, Ekkatuthangal.
- AGIIT, Ekkatuthangal.
- Imirisoft IT solutions pvt Ltd, West mambalam.
- Spark Bio gas pvt ltd, Madavaram.





Mr. D. Sakthivel, Assistant PRofessor, Department of Mechanical Engineering visited Garuda Aerospace Pvt. Ltd and had interacted with Mr. Maruti Prasad, CSR Lead, Discussion was made regarding Industry Interaction Activity.

On 6th August 2024, Sathish Gurumoorthy, Enterprise Architect at HCLTech specializing in Aerospace, Rail, and Automotive had a discussion with principal for industry- institution collaboration with Electronics and communication engineering department.



INDUSTRY COLLABRATION



ECE Faculty Visit to Healthcare Technology Innovation Centre (HTIC). ECE faculty members recently visited the Healthcare Technology Innovation Centre (HTIC) at IITM Research Park, Chennai. HTIC, a collaborative venture between IIT Madras and the Government of India, is dedicated to developing cutting-edge healthcare technologies. During the visit, we engaged in fruitful discussions with Dr. Nabeel P M, Lead Research Scientist, to explore potential collaborations





Department of computer science and engineering, Dr.R.Hemalatha / professor and Dr.C.Pandeeswaran / Associate professor has outreaches their contribution for our department on Industry institute interaction at "National Institute of Ocean Technology" on 8/8/2024,with Scientist "Mr.k.palaniappan". This interaction actively involved for bring Internship, Mou, Inplant Training and Consultancy project for the students for their skills development.

INDUSTRY COLLABRATION



Dr.C.Pandeeshwaren/Associate professor and Mr.k.Rajkumar/ Assistant professor of Department of computer science and engineering, has contributed their work towards industry institute interaction to the students on Internship, MoU, Inplant Training and Consultancy project at "Pinnacle Infosys Pvt Ltd" on 9/8/2024 with "Mr.M.Monisnghs", Director of sales and marketing. This interaction will enhance on students skill development for their career achievements

GUEST LECTURE

On 5th July 2024, the Department of Mechanical Engineering of both the institution hosted guest lecture by an industrial expert on the topic "Sustainable development through innovation approach: Iron ore extraction from grinding waste" and the guest speaker was Mr.I.A.Leo Bernard, Manager - Plant Engineering, Ashok Leyland, Chennai. The guest lecture focused on sustainable development through innovative approaches, specifically highlighting the extraction of iron ore from grinding waste.





IEEE SJCE Student branch in collaboration with IEEE JSS Academy Student Branch and IEEE Signal Processing Society hosted a webinar series on August 5, 2024.

Topic: role of the Signal Processing Society in career management.

Esteemed speaker Dr. ARUN BALODI, Professor and Chairman, Electronics and Communication Engineering, Dayananda Sagar University, Bengaluru, Karnataka, India.

ALUMNI SEMINAR

On 7th July 2024, the Department of Mechanical Engineering hosted distinguished alumni talk on the topic "Blockchain Industry 4.0" and the guest speaker was Mr. Vidyashankar Ramalingam. He graduated from our college in the year 2010 and gave us insightful importance on how blockchain can be used to increase the security and transparency around the sharing of customer data, either between a customer and a company or between two companies. And also blockchain can also be used to reduce fraud and other trust-related issues in digital ad buying. He accentuated that Blockchain can also be called as a distributed ledger technology. It is expected to bring a revolution in the field of economics by disrupting it on a global scale, due to its properties of being transparent, secure and scalable. Overall, the session provided a clear roadmap for enhancing career readiness and emphasized the importance of blockchain in achieving professional success.









ECE department hosted a captivating guest lecture on August 5th, featuring Youghessh S, the visionary founder of Syasan's Career Analytics. Students gained invaluable insights into the future of coding, exploring the transformative power of AI, machine learning, cloud computing, and other cutting-edge technologies. The session delved into the ethical dimensions of AI and the exciting realms of AR/VR, blockchain, and quantum computing, equipping our students with the knowledge to shape tomorrow's digital landscape.



St. Joseph's College of Engineering's ECE department successfully conducted an IEEE Communications Society registration drive on August 6th for 2nd-year students. The event aimed to introduce students to the world of IEEE

and the opportunities it offers. With the goal of empowering young minds and building future leaders, the drive encouraged students to explore the benefits of IEEE membership and participate in its various initiatives.

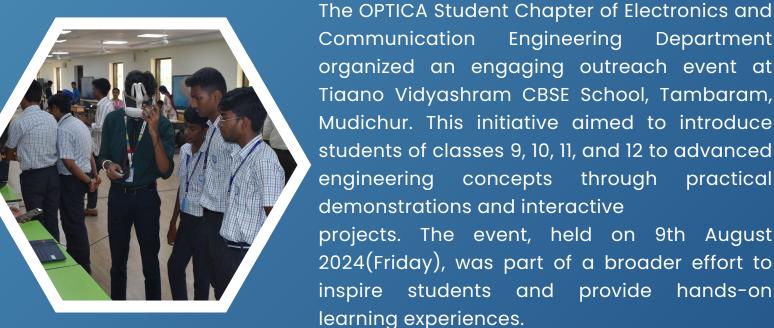
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On August 6th, our ECE department successfully conducted an IEEE Communications Society and Antennas and Propagation Society event, "Electrogyre." The day-long competition, held from 9 AM to 4 PM, challenged students with a series of exciting rounds designed to test their knowledge and problem-solving abilities. This event provided a dynamic platform for students to showcase their skills and foster a spirit of collaboration and innovation within the ECE community.

The IETE chapter of the Electronics and (ECE) Communication Engineering department successfully organized an event for freshers, specifically targeting the secondyear students to introduce them to the activities of IETE and to encourage their active participation. A total of twenty teams, each consisting of four members, participated in the event.



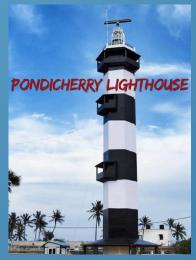


Communication Engineering Department organized an engaging outreach event at Tiaano Vidyashram CBSE School, Tambaram, Mudichur. This initiative aimed to introduce students of classes 9, 10, 11, and 12 to advanced engineering concepts through practical demonstrations and interactive projects. The event, held on 9th August 2024(Friday), was part of a broader effort to inspire students and provide hands-on learning experiences.

INDUSTRIALVISIT





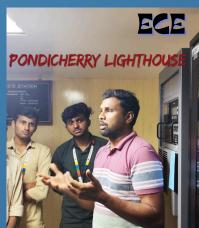
















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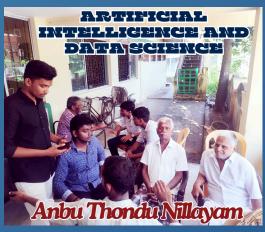




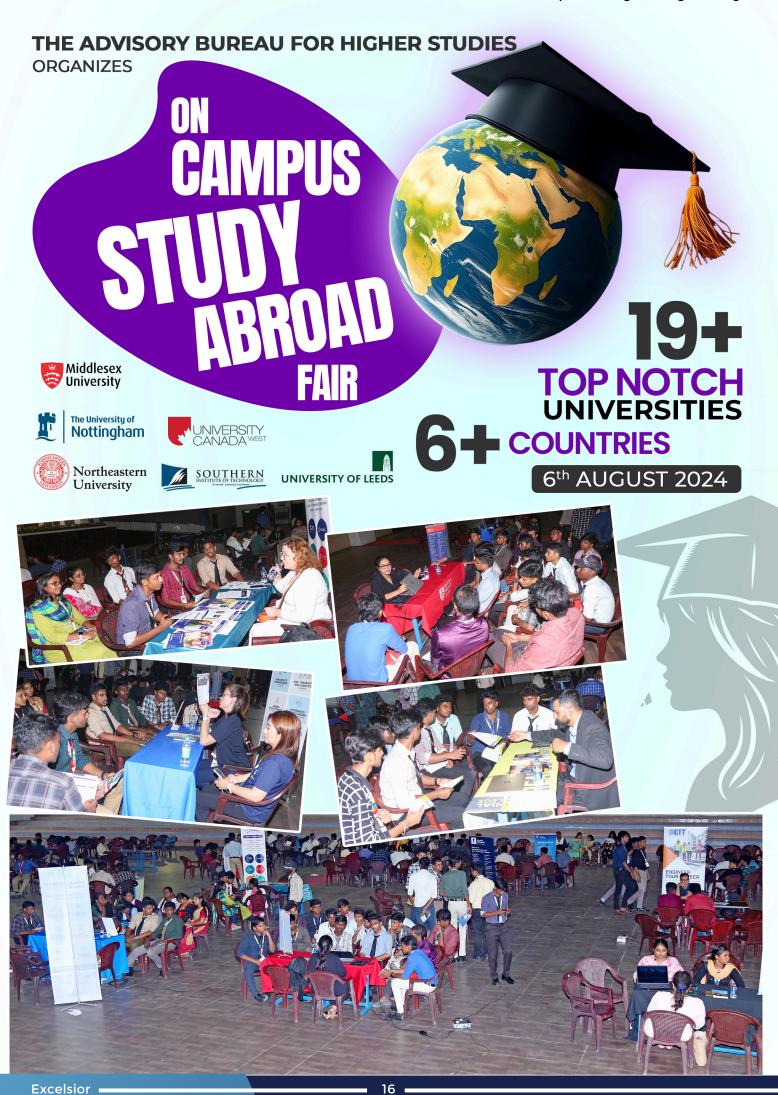


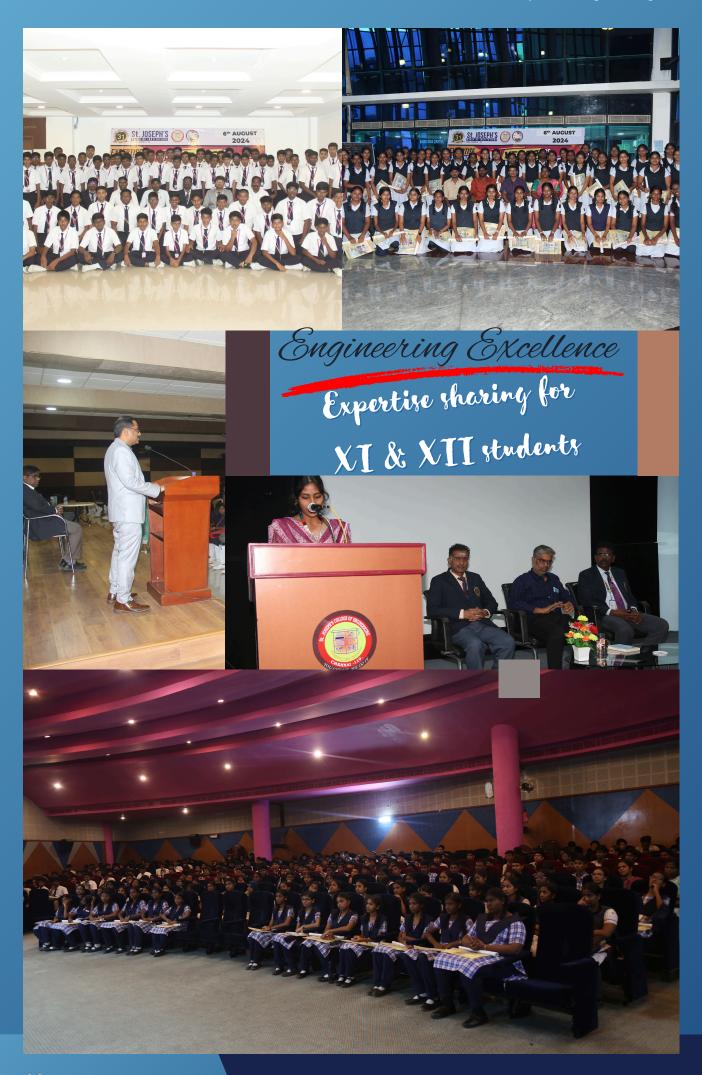












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Mr. Dinesh Babu



The Department of Information Technology organized an Alumni Talk on "Design Thinking: From Problem to Prototype" on 09-08-2024. Mr. Dinesh Babu (2001-2005), a Cybersecurity Engineer at Standard Chartered GBS and delivered an insightful session.

Mr. Prakash



On August 08th Department of Chemical Engineering had the pleasure of hosting an enlightening alumni interaction program. Mr. Prakash (2019-2023), now a successful professional at Sanmar, He shared his experiences and insights on navigating the hiring process at one of the leading companies in the industry.

Ms. Mridula



Z D J

AML Department has hosted an enlightening "Career Guidance career Shape your with ACCENTURE: unlock opportunities placement drive! our on 6th AUGUST 2024, Mridula. featuring Ms. "Advanced **Application** Engineering Associate" Accenture.

Ms. Ananya P K



On August 11th Department of EEE had the pleasure of hosting an enlightening alumni interaction program. Ms. Ananya P K (2019-2023), He shared his experiences and insights on Ace the CAT: Expert advice for Optimal Exam Preparation

Mr. Celson



The Department of Chemical Engineering is honored to host an inspiring alumni interaction program on August 10th featuring Mr. Celson (2019-2023) introduced the CSIR project, detailing its objectives to enhance carbon capture technologies in biogas production.

Mr. Krishna Kuma



Department of MBA organized Alumni talk on 'How to succeed in an interview by Mr. Krishna Kumar, Client Associates, Research Pro (2022 - 2024 batch). It was an insightful discussion with the final year integrated students. The alumni talk centered on providing practical advice and strategies for students to excel in job interviews.

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Staff Achievements

PUBLICATION:

- Dr.M.Chamundeeswari from Department of Biotechnology has Published a book chapter titled "Potentialities of zero-dimensional fullerenes in designing biosensing modalities in crop, food toxin, and biomedicines" Carbon-Based Nanomaterials in Biosystems Biophysical Interface At Lower Dimensions Progress in Biochemistry and Biotechnology 2024, Pages 417-446.
- Dr.R.Monisha published a paper on 'Modernizing sports an intelligent strategy for entertainment through internet of things in sports' in the journal, Entertainment Computing, Volume 52, January 2025
- Mr.S.ARAVINTH published a paper on Integrating Machine Learning for Early Diagnosis and Prognostic Assessment of Retinopathy of Premature Babies, International Conferences on Advances in Computing Communication and Applied Informatics, ISBN: 979-8-3503-8944-9
- Mr. Surenthran David P, published a paper on Sustainable finance: Predictive modeling of ESG indicators on Indian stock market Uncertain Supply Chain Management2291-6830Vol 13, Issue 145301
- Dr. S. GANGADHARAN, published a paper on Machine Learning for Diversity and Inclusion: Addressing Biases in HR Practices International Conference on Recent Trends in Computer Science and Technology NANA125 -130
- Dr. S. GANGADHARAN, published a paper on Transforming Customer Relationship Management (CRM) with AI in E-Commerce International Conference on Recent Trends in Computer Science and Technology, NANA166-174
- Dr. P. Jayakumar, Assistant Professor, Department of Mathematics& English has published a research article "Unveiling New Feminist Insights into the Inspiring Narrative of Women Pioneering India"s Accomplished Mars Mission in the Film Mission Mangal".
- Dr. K. Suresh, Associate Professor, Department of Mathematics & Dr. P. Krishnan, Department of Physics have published a research article "Electrochemical, magnetic and heterostructure of Y-SnO2-CdO nanocomposite for multi-functional applications".

Staff Achievements

PATENT:

- Mrs.R.Ruthra published a patent tilted as "Advanced synthesis and applications of Silver Enhanced Bismuth Ferrite (BIFE03) Nano particles " on 02.08.2024.
- Mrs . S.Banupriya pub;ished a patent titiled as " Machine Learning Based Prediction of Student Satisfaction with ICT in Educational Insitutions
- Mr. J. Vijayanand Assistant Professor from Department of Mechanical Engineering Published a patent titled "Assessing Thermal Properties of Multipass Weld Beads using Active Thermography: Micro Structural Variations and Anisotropy Analysis.
- Mr.D.SANKARAN has published a patent titled "An IOT, Machine Learning and Social Media Based Park Management System in Smart Cities" on August 2024.
- Dr.C.N.GNANAPRAKASAM has published a patent titled "Predictive Analysis of Social Media and Cybercrime Effects on Higher Education Academic Performance Using Machine Learning" on August 2024.
- Mr. M. Subramanian, Assistant Professor from Department of Mechanical Engineering has published a patent titled "System and method for fabricating highly conductive natural fiber composite material for use in electronic devices". Application no: 202441058775
- Mr. T. Balasubramanian, Assistant Professor from Department of Mechanical Engineering has Published a patent titled "Integrated System For Real-Time Void Detection And Prevention In Lithium-Ion Batteries Using Ai And Periodic Diagnostic Imaging" Application no: 202441053241
- 7 Dr. G. Venkat Narayanan, Associate Professor, Department of Mathematics & English published a patent on "IOT AND BLOCKCHAIN BASED ELECTRONIC HEALTH RECORD DEVICE AND INFORMATION MANAGEMENT".

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Staff Achievements

Other Achievement:

- Mr.D.SANKARAN has attended Faculty Development Programme on "Latest developments in RF Technologies in 5G and Beyond" from 30-07-2024 to 06-08-2024.
- Dr.B.SENTHIL KUMAR has attended Faculty Development Programme on "Latest developments in RF Technologies in 5G and Beyond" from 30-07-2024 to 06-08-2024.
- Ms. Sathya V, Assistant Professor from the Department of Artificial Intelligence and Data Science has successfully participated in One Week Faculty Development Program on "Microsoft Power BI Data Analyst Associate (OFFLINE)" conducted by ICT Academy on 05/08/2024 to 09/08/24 at Rajalakshmi Institute of Technology, Chennai.
- Mr. J. Vijayanand Assistant Professor, Department of Mechanical Engineering completed "white belt in Lean Six Sigma" from the official certification examination conducted by the "council for Six Sigma" with 68.00 / 80.00.



Dr. P. Agilan, Associate Professor from Department of Mathematics, St. Joseph's College of Engineering, has been appointed as a Editorial Board Member of GSP Science and Engineering Publishing from 06-08-2024 to 06-08-2026

"One Day Workshop on Advanced Queueing Networks and its applications" was organized at SIMATS, Saveetha University, Chennai, on August 1, 2024. The program featured a distinguished lecture by Dr. P. Agilan, Associate Professor from Department of Mathematics, St. Joseph's College of Engineering. Dr. P. Agilan provided in-depth insights into the theory and practical applications of queueing networks. The workshop covered advanced topics, including networked queues, Markov models, and real-world applications in telecommunications and computing, offering valuable knowledge for professionals and researchers.







We the Department of computer science and engineering, proudly present student "Harshini.T" from batch 2022-2026, has attended Wicys India Chapter event at Google.

Department of computer science and engineering, students "Arif Fayaz Khan,Balasubramaniam R, Harish Balaji S, Harshini T" got First Place in "IDEA SPARK - Entrepreneurship cell" on 7th August, 2024 with a Cash Prize - Rs.1000 for an "Idea: Assistive Volunteers for Inclusive Disabled Access (AViDA)" with the help of Mentorship by Dr. B. Uma Maheswari.





We proudly present students from Department of computer science and engineering, "Austin A.S" and "Bhuvaneshwari Narayanasamy" has selected as "Campus Ambassador" at E-cell from IIT BOMBAY.



My Creations by Bhavana – Book of Short Stories and Poems

Ms. Bhavana S, Third Year Student, from the department of Artificial Intelligence and Data Science has published her first book of Short Stories and Poems "My Creations". The book has been available on e-commerce site Amazon.





Mr. A. Sivasubramanian and Mr. D. S. Sujith Kumar Final year Student from Mechanical Engineering has been selected as Paid intern with a stipend of Rs. 5000/- in HARVTECH.LLP.

"ASPIRE FOR EXCELLENCE, ACHIEVE SUCCESS"

PLACEMENTS BATCH 2021-25



Rs.6



SRIVATSAN S DEPT OF CSE



DEPT OF IT



DURGAGOWRI G DEPT OF IT



LAYA H DEPT OF IT



LINUS EDRIC P DEPT OF ECE



SHYAM K DEPT OF IT

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"CODING THE FUTURE, BYTE BY BYTE"

PLACEMENTS BATCH 2021-25



RS.5



KARTHIKHAA SHREE K T DEPT OF CSE



SRIMATHI P *DEPT OF CSE*



MEENA K DEPT OF IT



FAHMIDA SANABIL SYED ABBAS DEPT OF IT



YUVARAJA VANI RAMESH DEPT OF IT

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PLACEMENTS BATCH 2021-25

"Unleash the Unconventional"

rootquotient



VIJAY BALA A DEPT OF CSE



NITHYA VARSHINI M **DEPT OF IT**



NITHILAN G DEPT OF IT



KEDAR D DEPT OF IT

Rs. 30,000/- Per Month during Internship

PLACEMENTS BATCH 2021-25

"Elevating Your Beginnings!"





HARINI K G DEPT OF IT



JOHN JEHIEL E DEPT OF IT

Rs. 15,000/- Per Month during Internship

DEPARTMENT OF BUSINESS ADMINSTRATION M.B.A. Integrated Batch 2023 - 2028 Student Toppers Secured 8.5 CGPA and Above (Up to II - Semester)



312323635017 **DIVYA SHREE V** 9.33



312323635021 HARINE G B 9.33



312323635023 **HEMAPRIYA C** 9.18



312323635012 **BHAVANIS** 9.10



312323635020 GAYATHRI K 9.10



312323635030 **KRUPHA G** 9.10



312323635032 8.80



312323635058 MANDA MANASA VENTURI PRAVALLIKA SAI 8.80



312323635028 KARTHIGAISELVI N 8.75



312323635039 RAMYA M 8.55



312323635024 ILAVALAGAN G 8.50



312323635056 **SWETHA K** 8.50

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DEPARTMENT OF BUSINESS ADMINSTRATION

M.B.A. Batch 2023- 2025

Student Toppers Secured 8.5 CGPA and Above



312323631125 NIVETA D 9.13



312323631156 SANGEETHA T 9.10



312323631178 SNEHA R 8.94



312323631103 MEENAKSHI V 8.87



312323631176 SHUNMATHI G N 8.83



312323631016 APSARA PHILO S 8.81



312323631182 SOWMYA T 8.79



312323631046 DHARSHINI K 8.79



312323631062 HARSHINI S 8.79



312323631166 C. SHAKTHI 8.75



312323631157 SANJAY V 8.73



312323631013 ANIS AROKIA THERASA S 8.71



312323631148 RENETA PETRICIA J 8.71



312323631039 CHRIS SHERIN D 8.69



312323631155 SANDRA R 8.67



312323631029 AYUSHMA @ SRI VARSHINI K 8.65

DEPARTMENT OF BUSINESS ADMINSTRATION M.B.A. Batch 2023- 2025

Student Toppers Secured 8.5 CGPA and Above



312323631154 SANDHYA P 8.65



312323631168 SHANMUGA PRIYA M 8.64



312323631074 JESLYN FENELLA S 8.63



312323631098 MAHESWARI M 8.63



312323631158 SANJUSHREE K 8.62



312323631160 SARIKHA V K 8.62



312323631054 FIGO MARTIN D 8.62



312323631055 GAYATHRI S 8.58



31232363188 SRIRAM D 8.58



312323631044 DEIVANAI S 8.56



312323631083 KAVIYA M 8.56



312323631030 BAVANEESWARI M 8.54



312323631052 EZHIL BHARATHI R J 8.52



312323631037 CHARUMATHI M 8.50



312323631179 SHENA T 8.50



312323631214 VISHALY D 8.50