

ERODE SENGUNTHAR ENGINEERINGCOLLEGE



(Autonomous) Perundurai, Erode - 638057

Department of INFORMATION TECHNOLOGY

NEWSLETTER

VOLUME-2 2023-2024

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http://erode-sengunthar.ac.in

• Perundurai, Erode - 638057



VISION AND MISSION OF THE INSTITUTE !

The Vision and Mission Statement are as follows:

VISION

Vision of Erode Sengunthar Engineering College is to become a World Class Technical Institution and Scienti□c Research Centre for the Bene□t of the Society.

MISSION

IM1: Create Positive difference to Society through Innovative Teaching-Learning Process.

Im2: Impart Value Based Technical Education to the Students from across various Socio-Economic backgrounds.

Im3: Build State of art infrastructure for high quality Research and Development capabilities on par with the 🛮 nest in the Globe and widen student's horizons beyond Class Room.

Im4: Bring out Competent, Ethically Strong and Quality Professionals.



VISION AND MISSION OF THE DEPARTMENT:

VISION

To emerge as a Centre of Excellence with an open growth to foster a groomed professionally competent and socially responsible IT intellectual graduates in facing dynamic and diversilled unexpected challenges in the technical advancement of Information and Communication Sphere.

MISSION

DM1: To enhance the problem solving skills of the students to build their excellence in providing hardware, software based solutions in Information Technology arena.

DM2: To promote students with tools to become a prolion, responsible global citizens and lifelong learners.

DM3: To create an inquisitiveness in research with a need based quality training.

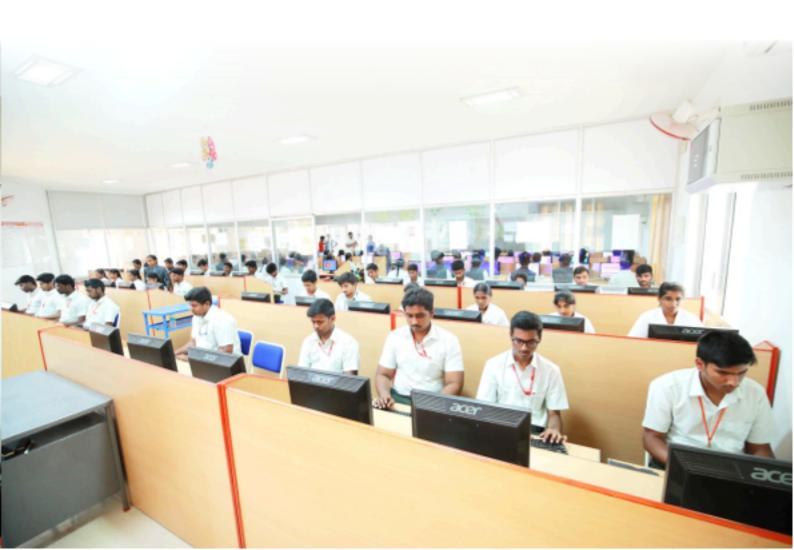
Dm4: To develop highly skilled, vibrant, and exceptionally talented graduates to the industries with a strong ethical foundation.



PROGRAM EDUCATIONAL OBJECTIVES (PEC

PEO-I: Preparation: To be skilled in the usage of modernized tools for solving critical and sensitive Information Technology and Communication Challenges through creativity and durability.

PEO-II: Core Competence and Professionalism: To be able to impart extensive range of Information Technology related problems in order to tailor the essentials of Industry, Entrepreneurship and Research. PEO-III: Breadth: To nurture with an effectual leadership, good managerial and soft skills among multi- disciplinary teams thereby making a positive vibration on the global environment and society. PEO- IV: Learning Environment: To explore systematic decision making and problem solving abilities by applying innovative and sustainable principles to the real time challenges through moral ethics and professional approach.



PROGRAM OUTCOMES(POs

- 1. Engineering knowledge: Apply the knowledge of mathematics, science, engineeringfundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using Drst principlesofmathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specilled needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigation sofcomplex problems: Useresearch-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with anunderstanding of the limitations.
- 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need forsustainabledevelopment.
- 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms ofthe engineering practice.
- 9. Individual and team work: Function effectively as an individual, and as a member or leader indiverse teams, and in multidisciplinary settings.
- 10. Communication: Communicate effectively oncomplex engineering activities with the engineeringcommunity and with society at large, such as, being able to comprehendandwriteeffectivereportsanddesigndocumentation,makeeffective presentations, and give and receive clear instructions.
- 11. Project management and Inance: Demonstrate knowledge and understanding of the engineering and management principles and apply these toone'sown work, asamembe rand leader inateam, to manage project sand in multi disciplinary environments.
- 12. PROGRAM SPECIFIC OUCOMES(PSOS) Statistical Base Knowledge: Design and develop algorithms and applications by applying mathematical knowledge and systematic principles in the □eld of Information Technology to meet industrial needs.

Advanced Technical Skills: Effective and in-depth knowledge of latest developments such as Artilicial Intelligence, Data Science, Machine Learning, Web Technologies, Cyber security and IOT etc. in the domain of Computer Communication Networks.

Personality Development: Comprehend suitable current practices followed in Information and Communication Engineering by incorporating ethical principles into the user environment and expose Teams Sprit and Leadership Qualities.

13. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life long learning in the broadest context of technological changes.

PROGRAM SPECIFIC OUTCOMES(PSO

Statistical Base Knowledge: Design and develop algorithms and applications by applying mathematical knowledge and systematic principles in the Deld of Information Technology to meet industrial needs. Advanced Technical Skills: Effective and in-depth knowledge of latest developments such as ArtiDcial Intelligence, Data Science, Machine Learning, Web Technologies, Cyber security and IOT etc. in the domain of Computer Communication Networks.

Personality Development: Comprehend suitable current practices followed in Information and Communication Engineering by incorporating ethical principles into the user environment and expose Teams Sprit and Leadership Qualities.





AGENDA

- HoD's message
- Special Events
- Faculty Achievement
- Student's Achievement
- Sports Achievements



HOD'S MESSAGE



The Department of Information Technology equips students with the ability to apply their knowledge of Information Technology to ef[ciently in multidisciplinary teams work and practice engineering with ethical approaches. The Department has excellent lab facilities which are being upgraded from time to time and provide ample opportunities for students to learn and innovate. Students apply recent trends in Information Technology as Artilicial Intelligence, Data Analytics, Blockchain such Technology, Internet of Things, Social Networks, and Cyber Forensics to develop innovative projects and solve real-world problems in Agriculture, Health care, Environmental Science, Telecommunications and Supply Chain sectors. The department as a team of committed and dedicated faculty as its core strength in providing education with professional standards to the enthusiastic and vibrant student community. Faculty members graduate students to be globally recognized as innovative computing professionals. They adopt improved methods of teaching and learning processes to achieve learning abilities through practice, exposure, and motivation.

CHIEF EDITORS









PRASANNA G STUDENT EDITOR









S.N	o	Name & Designation of the faculty	Title of the Project	Fund Received	Year	Funding Organization
	1	Dr.S.Umarani	Software Programmer	Rs.1265093	2023-24	PMKVY, NSDC, India







Aalan Antony Peri A Calibrant 4 LPA



Aravindh D Calibrant 4 LPA



Dhanish K TCS 7 LPA



Dinesh A Vintronix 3.12 LPA



Geetha M Technofort 4.5 LPA



Gireeshma S H exawa re 4 LPA



Glenbryan V Vintronix 3.12 LPA



Gokul G H exawa re 4 LPA



Gokulapriya P Calibrant 4 LPA





Hari Priyanka V Vintronix 3.12 LPA



Harishroshan Y TCS 7 LPA



Jegannathan K B Technofort 4.5 LPA



Kabilan A H exawa re 4 LPA



Kala M Vintronix 3.12 LPA



Kamaleshwaran S Calibrant 4 LPA



Karthi K Technofort 4.5 LPA



Kaviya S H exawa re 4 LPA



Kiruthiga V Calibrant 4 LPA





Kiruthiga Devi J Calibrant 4 LPA



Krithik Balaji G Technofort 4.5 LPA



Kumaresan T Mallow 4.2 LPA



Manogari M N TCS 7 LPA



Mohanraj R Technofort 4.5 LPA



Nandha Kumar V H exawa re 4 LPA



Pavithra S D hya n 4.5 LPA



Pooja M Technofort 4.5 LPA



Pradeep Kumar K Mallow 4.2 LPA





Prasanth S Vintronix 3.12 LPA



Pravin P Calibrant 4 LPA



Prince Kumar Course 5 3 LPA



Raja Sekar V Vintronix 3.12 LPA



Rajathi R Calibrant 4 LPA



Sanjay Varma R Mallow 4.2 LPA



Santhosh Kumar A
Course 5
3 LPA



Sathyapraba T H exawa re 4 LPA



Shalini P Vintronix 3.12 LPA





Shyam B Rapid Data 4.5 LPA



Sibifrancis J Mallow 4.2 LPA



Srinath S H exawa re 4 LPA



Subha S Course 5 3 LPA



Tharchana S H exawa re 4 LPA



Uma Maheswaran V TCS 7 LPA



Vetrivel T Course 5 3 LPA



Vikram Kumar B TCS 7 LPA



Balaji S Vintronix 3.12 LPA

SPECIAL EVENTS 2023-2024

 Mr.R.Hariharan, CodeBind Technologies, Embedded Engineer, Coimbatore has conducted Guest Lecture on "Code with Devin: The Autonomous Journey" on 21.03.2024.





 Ms.P.Sathya, Software Developer, ETS Academy, Erode has conducted Guest Lecture on "Data Science Using Python" on 03.05.2024.





FACULTY ACHIEVEMENTS

NATIONAL / INTERNATIONAL CONFERENCE

Mr.R.Narendran has presented a paper titled "Smart Agricultural Crop Monitoring and Recommendation System Based on Seasonal
Parameter to Improve Productivity" in Kamaraj International Conference on Recent trends in science, Engineering and Technology, Kamaraj College of Engineering and Technology.

Dr.S.Umarani has presented a paper titled "Advanced Phishing website identification via Feature Selection and Machine learning Paradigms" in 5th International conference on Recent innovations in Engineering and Technology &Society for Aero Space and Mechanical Professionals(SAMP) and Society for Information, Communication and Electrical Engineers, KSR Institute of Engineering and Technology, Namakkal.

Dr.S.Tamilselvan has presented a paper titled "Accident Prevention and Traffic control at hill stations using machine learning" in 14 TH international Conference on computer Communication and Informatics(ICCCI)&, Sri Sakthi institute of Engineering and Technology.

Mr.M.Dhanapal has presented a paper titled "INFY GEN" in 6th International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-2023)" & Institute For Engineering Research and Publication (IFERP) Malaysia Society, in association with University of the Perpetual Help System DALTA Molino Campus, Philippines.

Mr.E.Arunmaharaja has presented a paper titled "Dynamic Web Commerce using MangoDB" in 6th international conference on emerging Trends in Engineering and Technology (ICETET 2024) & ST.Joseph College of Engineering, Chennai.

Mr.D.Malarvizhi has presented a paper titled "Smart Waste Monitoring and Management System Using Arduino" in 6th international conference on emerging Trends in Engineering and Technology (ICETET 2024)&ST.Joseph College of Engineering, Chennai.

NATIONAL / INTERNATIONAL CONFERENCE

Mrs.S.Subitha has presented a paper titled "Smart Waste Monitoring and Management System Using Arduino" in 6th international conference on emerging Trends in Engineering and Technology (ICETET 2024) & ST.Joseph College of Engineering, Chennai.

Ms.M.Nandhini has presented a paper titled "Neural Democracy Prognosticator: Rise of AI For Accurate Electoral Projection" in International Conference on Green Computing for communication technologies-ICGCCT2024 &Sona College of Technology, Salem in association with Muscat college, Omen.

Mr.M.Ramakrishnan has presented a paper titled "An Innovative Method For Visitor And Wildlife Monitoring Based On Stfsa-Cnn-Gru Approach" in 14TH international Conference on computer Communication and Informatics (ICCCI)& Sri Sakthi institute of Engineering and Technology.

Dr.M.P.Thiruvenkatasuresh has presented a paper titled "Fake News Detection on Online Platform using Unsupervised Learning" in International Conference on Green Computing for communication technologies-ICGCCT2024 &Sona College of Technology, Salem in association with Muscat college, Omen.

Dr.T.SounderRajan has presented a paper titled "Prediction of Chronic Kidney Disease using KNN Algorithm" in International Conference on Electronics, Communication, Computing and Control Technology (ICECCC 2024) hosted by the Department of Electronics and Communications Engineering, CMR Institute of Technology, Bengaluru.

Mr.S.Muthusamy has presented a paper titled "SSL/TLS Certification validation for website Security" in 5th International conference on Recent innovations in Engineering and Technology &Society for Aero Space and Mechanical Professionals(SAMP) and Society for Information, Communication and Electrical Engineers.

FACULTY DEVELOPMENT PROGRAMME

Dr.S.Umarani has attended ATAL, Microsoft, SAP & AICTE led Faculty
Development program on Applied Cloud Compuing for FullStack
Development under Tech Saksam" organized by ATAL, Microsoft, SAP &
AICTE during 05.02.2024 to 09.02.2024.

Dr.S.Umarani has attended International one week Faculty
Development Programme (Online) "Deep learning Techniques for Social
Media Analytics" organized by Kongu Engineering College, Perundurai
during 15.04.2024 to 20.04.2024.

Mrs.D.Malarvizhi has attended International one week Faculty
Development Programme (Online) "Deep learning Techniques for Social
Media Analytics" organized by Kongu Engineering College, Perundurai
during 15.04.2024 to 20.04.2024.

Mrs.M.Nandhini has attended Five Days online FDP on "Impact of machine Learning, Deep Learning and AI: An Industrial Perspective" organized by Kongu Engineering College, Perundural during 06.05.2024 to 10.05.2024.

Mr.M.Ramakrishnan has attended ATAL, Microsoft, SAP & AICTE led Faculty Development program on Applied Cloud Compuing for FullStack Development under Tech Saksam" organized by ATAL, Microsoft, SAP & AICTE during 05.02,2024 to 09.02.2024.

WORKSHOPS / SEMINARS

Mr.S.Tamilselvan has attended One day Work Shop on "Intro

Augmented reality" Virtually by IIT Madras as a part Shaastra on
04.01.2024.

Mrs.D.Malarvizhi has attended One day Work Shop on IP Awareness /
 Training program under National Intellectual Property Awareness
 Mission by Intellectual Property Office, India on 02.03.2024.

Mrs.S.Subitha has attended One day Work Shop on "Intro Augmented reality" Virtually by IIT Madras as a part Shaastra on 04.01.2024.

NPTEL

Dr.S.Umarani has attended 12 weeks course on Introduction of Internet of Things conducted by NPTEL and scored 79% during January 2024 to April 2024.

Dr.S.Tamilselvan has attended 8 weeks course on Programming, Data Structures and Algorithms using Python conducted by NPTEL and scored 55% during January 2024 to March 2024.

- Arun Kumar S, II Information Technology has participated in National level Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03.2024.
- Bharath C, II Information Technology has participated in National level
 Hackathon organized by Tamil Nadu Skill Development Corporation on
 20.03.2024.
- Hemabala S, II Information Technology has participated in National level Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03.2024.
- Hemabala S, II Information Technology has participated in National level Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03 2024.
- Kanishk A, II Information Technology has participated in National level
 Hackathon organized by Tamil Nadu Skill Development Corporation on
 20.03.2024.
- Kumaran K, II Information Technology has participated in National level Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03.2024.
- Mathish Karthick K M, II Information Technology has participated in National level Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03.2024.
- Mohammed Dhaneesh M, II Information Technology has participated in National level Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03.2024.
- Sandhiya C, II Information Technology has participated in National level Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03.2024.
- Sharmila M, II Information Technology has participated in National level Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03.2024.

- Surya Prabha M, II Information Technology has participated in National level Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03.2024.
- Vignesh R, II Information Technology has participated in National level

 Hackathon organized by Tamil Nadu Skill Development Corporation on
 20.03.2024.
- Harish V, II Information Technology has participated in National level

 Hackathon organized by Tamil Nadu Skill Development Corporation on 20.03,2024.
- Sabareeshwaran S, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College auting 02.03.2024 to 03.03.2024.
- Prince Kumar, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Tamilselvan S, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Srinath S, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Sathyapraba T, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Vetrivel T, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Ranjith R, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.

- Akalya V, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Dhanush M, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Dinesh J, IV Information Technology has attended National level

 workshop on "Growing Demand for Data Science in Industries"
 organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Jeevitha M, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College auting 02.03.2024 to 03.03.2024.
- Karthick M, IV Information Technology has attended National level

 workshop on "Growing Demand for Data Science in Industries"

 organized by VSB E∎g neering College durin 02.03.2024 to 03.03.2024.
- Pavithran M, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Ranjith Kumar S, IV Information Technology has attended National level workshop on "Growing Demand for Data Science in Industries" organized by VSB Engineering College during 02.03.2024 to 03.03.2024.
- Nandhini K, II Information Technology has attended National level workshop on "Real time IoT Projects with Raspberry Pi4" organized by Kongu Engineering College on 22.03.2024.
- Nithish Kumar P, II Information Technology has attended National level workshop on "Real time IoT Projects with Raspberry Pi4" organized by Kongu Engineering College on 22.03.2024.
- Preethi L, II Information Technology has attended National level workshop on "Real time IoT Projects with Raspberry Pi4" organized by Kongu Engineering College on 22.03.2024.

- Sanjay S, II Information Technology has attended National level workshop on "Real time IoT Projects with Raspberry Pi4" organized by Kongu Engineering College on 22.03.2024.
- Rajaguru R, II Information Technology has attended National level workshop on "Real time IoT Projects with Raspberry Pi4" organized by Kongu Engineering College on 22.03.2024.
- Praveen Kumar S, II Information Technology has attended National level workshop on "Real time IoT Projects with Raspberry Pi4" organized by Kongu Engineering College on 22.03.2024.
- Deepak K, III Information Technology has attended National level
 Webinar on "Al Through the Network Processing in Wide Area
 Network" organized by NXTWAVE on 11.01.2024.
- Dharani M, III Information Technology has attended National level

 Webinar on "Al Through the Network Processing in Wide Area
 Network" organized by NXTWAVE on 11.01.2004.
- Kalaiyarasan P, III Information Technology has attended National level

 Webinar on "Al Through the Network Processing in Wide Area

 Network" organized by NXTWAVE on 11.01.2024.
- Sabarinathan S, III Information Technology has attended National level
 Webinar on "Al Through the Network Processing in Wide Area
 Network" organized by NXTWAVE on 11.01.2024.
- Krithick Kumar, II Information Technology has attended National level Webinar on "Al Through the Network Processing in Wide Area Network" organized by NXTWAVE on 11.01.2024.
- Maga R, II Information Technology has attended National level Webinar on "Al Through the Network Processing in Wide Area Network" organized by NXTWAVE on 11.01.2024.
- Mathumitha J, II Information Technology has attended National level
 Webinar on "Al Through the Network Processing in Wide Area
 Network" organized by NXTWAVE on 11.01.2024.

- Gnasekaran P, II Information Technology has attended National level

 Webinar on "Al Through the Network Processing in Wide Area
 Network" organized by NXTWAVE on 11.01.2024.
- Mohan S, III Information Technology has attended National level

 Webinar on "Al Through the Network Processing in Wide Area
 Network" organized by NXTWAVE on 11.01.2024.
- Oviya S, II Information Technology has attended National level Webinar on "Al Through the Network Processing in Wide Area Network" organized by NXTWAVE on 11,01,2024.
- Preethi K, II Information Technology has attended National level

 Webinar on "Al Through the Network Processing in Wide Area
 Network" organized by NXTWAVE on II.UI.2024.
- Rahul K, II Information Technology has attended National level

 Webinar on "Evolving AI in Modern Technologies" organized by Bannari
 Amman Institute of Chnology on 12.02.202
- Sandhiya M, II Information Technology has attended National level

 Webinar on "Evolving AI in Modern Technologies" organized by Bannari
 Amman Institute of Technology on 12.02.2024.
- Saravana Kumaran V, II Information Technology has attended National level Webinar on "Evolving AI in Modern Technologies" organized by Bannari Amman Institute of Technology on 12.02.2024.
- Selvaraj T, II Information Technology has attended National level

 Webinar on "Evolving AI in Modern Technologies" organized by Bannari
 Amman Institute of Technology on 12.02.2024.
- Sivapriya S, II Information Technology has attended National level

 Webinar on "Evolving AI in Modern Technologies" organized by Bannari
 Amman Institute of Technology on 12.02.2024.
- Suguna L, II Information Technology has attended National level

 Webinar on "Evolving AI in Modern Technologies" organized by Bannari
 Amman Institute of Technology on 12.02.2024.

- Sathesh S, II Information Technology has attended National level

 Webinar on "Evolving AI in Modern Technologies" organized by Bannari
 Amman Institute of Technology on 12.02.2024.
- Udhayasankar S, II Information Technology has attended National level

 Webinar on "Evolving AI in Modern Technologies" organized by Bannari
 Amman Institute of Technology on 12.02.2024.
- Yurajkumar, II Information Technology has attended National level

 Webinar on "Evolving AI in Modern Technologies" organized by Bannari
 Amman Institute of Technology on 12.02.2024.
- Dhanish K, IV Information Technology has attended National level

 "Circuit Breakthrough" organized by Rajalakshmi Engineering College
 during 11.04.2024 to 12 54.2024.
- Jamuna S, IV Information Technology has attended National level

 "Circuit Breakthrough organized by Rajalakshmi Engineering College during 11.04.2024 to 12 04.2024.
- Kiruthigadevi J, IV In ormation Technology has attended National level "Circuit Breakthrought organized by Rajalakshmi Engineering College during 11.04.2024 to 12.04.2024.
- Manogari N, IV Information Technology has attended National level "Circuit Breakthrough" organized by Rajalakshmi Engineering College during 11.04.2024 to 12.04.2024.
- Prasanth S, IV Information Technology has attended National level "Circuit Breakthrough" organized by Rajalakshmi Engineering College during 11.04.2024 to 12.04.2024.
- Rajathi R, IV Information Technology has attended National level "Circuit Breakthrough" organized by Rajalakshmi Engineering College during 11.04.2024 to 12.04.2024.
- Shiva Shanmugam P, IV Information Technology has attended National level "Circuit Breakthrough" organized by Rajalakshmi Engineering College during 11.04.2024 to 12.04.2024.

Surya S, IV - Information Technology has attended National level "Circuit Breakthrough" organized by Rajalakshmi Engineering College during 11.04.2024 to 12.04.2024.

Vishal M D, IV - Information Technology has attended National level "Circuit Breakthrough" organized by Rajalakshmi Engineering College during 11.04.2024 to 12.04.2024.

