CREATING
POSSIBILITIES
THROUGH
TECHNOLOGIES

EXPERIENCE THE
MODERN
LEARNING

St. JOSEPH'S

COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI – 119

St. JOSEPH'S COLLEGE OF ENGINEERING
CHENNAI - 600 119
You Choose, We Do It

St. JOSEPH'S GROUP OF INSTITUTIONS
31
Years of Excellence
★ Since 1994 ★

CONTENTS

ABOUT THE COLLEGE

- 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.

- 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).

- Accredited with A+ grade by securing 3.46 on a scale of 4.00 by National Assessment and Accreditation Council (NAAC).

- 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).

- 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.

- 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.

- Won First AICTE-ECI Chhatra Vishwakarma award in 2017 as a Best Institute at National level.

- 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

- 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.

- 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.

INDEPENDENCE DAY

Deposit Mobilization Camp - Tree Plantation

Green Building Visit

14th August, 2024

Time: 10:00 a.m. to 12:00 p.m.

Industry Collaboration

Dr. R. Selvam & Dr. K.M. Kumar, Associate Professor from Department of Mechanical Engineering have visited Grundfos Pumps India Pvt. Ltd., Thuraippakam on 14/08/2024 had a discussion with Hr Managers for Industrial Visit, Intership and Placement

Dr. N. E. Arunkumar, Associate Professor & Mr. G. Kasirajan, Assistant Professor from Department of Mechanical Engineering have visited SHARDA Motors Industries Limited @ SIPCOT Industrial Park, Irrungattukottai, Sriperumbudur on 16/08/2024 and interacted with Mr. J. Saravanan, Sr. Manager - HR, Mr. S. Prabhu, Manager - Production & Mr. P. Babu, Deputy Manager - Production, as a part of Industry Institute Interaction cell (IIIC). Discussion was made for Student Internship, Industrial Visit, Placement and Industry based Curriculum.

Industry Interaction

On 16th August 2024, the Department of Information Technology conducted a guest lecture as part of its Industry-Institution Interaction initiative. Mr. S.R. Ramesh Kumar, Cyber Security Consultant at Hexaware Technologies, presented an in-depth analysis of current cyber security threats and mitigation strategies to final-year students.

Complementing this technical discourse, Ms. Chithra Muthukumaran, Head of Engineering and Technical Coach at XORO Story Inc., provided a technical overview of critical skills and methodologies essential for professional success in the engineering field. The session offered students actionable insights into cybersecurity and career advancement, bridging academic learning with industry practices.

GUEST LECTURE

Hareesh Janakiraman
Director - Embedded-Guru LLC,
Houston, Texas

Department of Electrical and Electronics Engineering organized Guest Lecture on the topic "Design and Debug of Embedded systems" In this session students gained a deep understanding of embedded systems design principles and real time processing.Students improved their debugging skills for more efficient problem-solving in embedded systems.

Dr. T. Saravanakumar,
Project Engineering
Senior Professional, Hitachi Energy

Department of Electrical and Electronics Engineering organized Guest Lecture on the topic"Wireless Charger for Electric Vehicles" on 09/08/2024. In the event Knowledge was shared regarding wireless power transfer techniques and the general components of electric vehicles. Discussions were held regarding the functions and roles of the protection, filter, PFC, capacitor, inverter, and system boards.

GUEST LECTURE

Department of Mechanical Engineering from St. Joseph's College of Engineering organized a Guest lecture for third and Fourth year Students on the topic " Strategies for writing a research article from Projects" on 16/08/2024, Dr. G. Kumaresan, Professor, Institute for Energy Studies, CEG, Anna university, Guindy & Additional Director, CFR, Guindy was the eminent speaker to the session. he gave a clear insight on how to approch a literature review and write a article.

BRIDGE COURSE

The Department of Artificial Intelligence and Data Science, has successfully initiated the Bridge Course on " Cloud Architecture and Preceding Tools" for the third year students by Mr. E Mahendran - Scientist - E, C- DAC, Chennai and Mr .K. Rajendar, Scientist - E, C- DAC, Chennai.

ISHRAE STUDENT CHAPTER

ISHRAE
Chennai Chapter

Department of Mechanical Engineering organized Guest Lecture on the topic " Introduction to ISHRAE and Career opportunities in the field of HVACR - MEP" on 16/08/2024.

Mr. Krishnasamy R, Founder of arostar enterprises pvt Ltd., delivered talk on the importance and opportunities in ISHRAE.

OPTICA STUDENT CHAPTER

A placement talk on the topic "From Campus to Corporate" was conducted by Department of ECE for the third and final year ECE students by Ms. Evangeline Priyadharsini, Senior Project Coordinator at 360 Degree Cloud Technologies, Noida. The event saw active participation from around 80 students, who were keen to learn about the transition from academic life to the corporate world.

THE INDIAN INSTITUTE OF WELDING

Indian Institute of Welding (IIW) chennai branch conducted a one day workshop on "Advances in Welding Automation and Robotics" in Chennai Institute of Technolgy and Fronius Solutions & Skill Centre on 10th August 2024. Six Final year students from Department of Mechanical Engineering participated as a part of Student chapter activity.
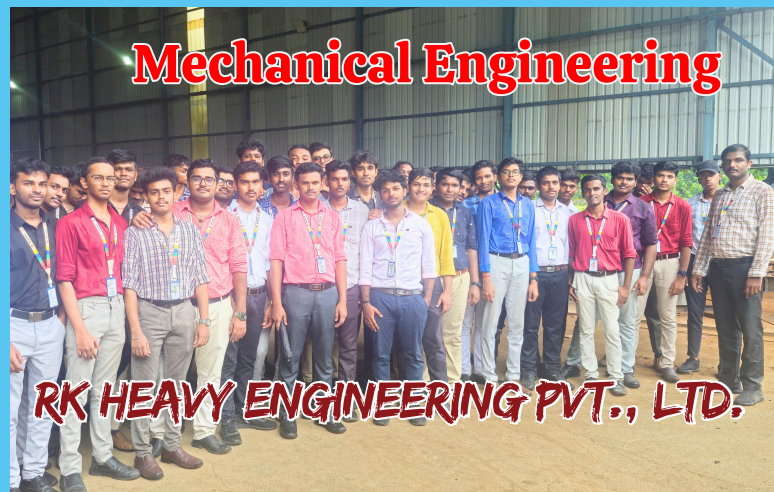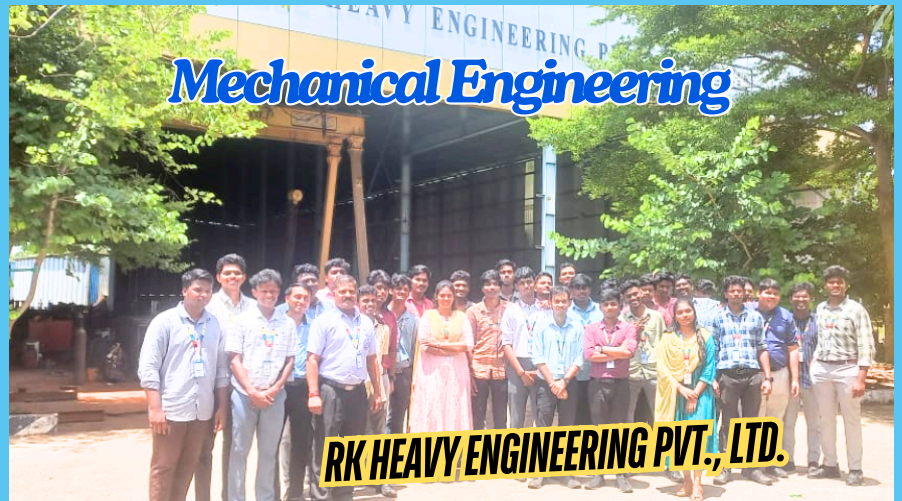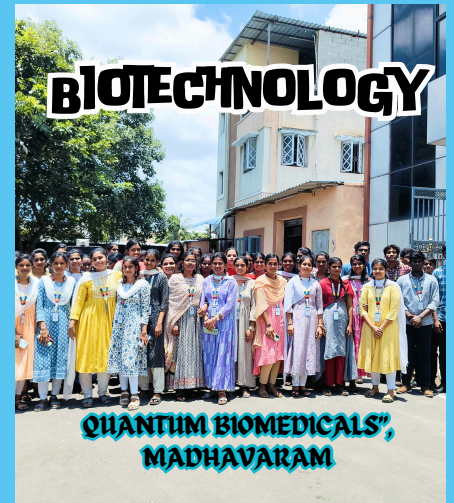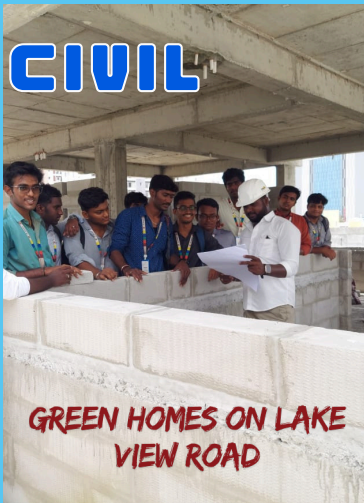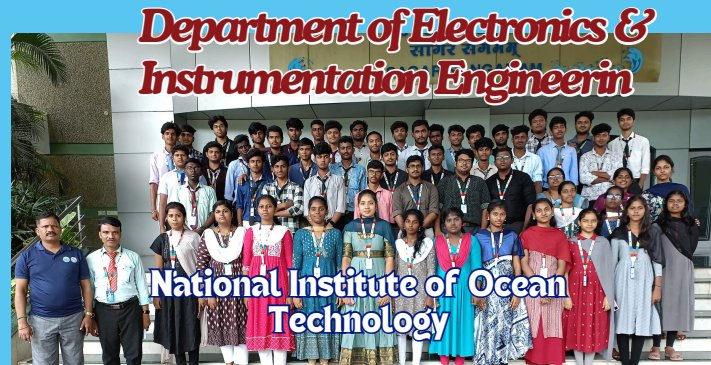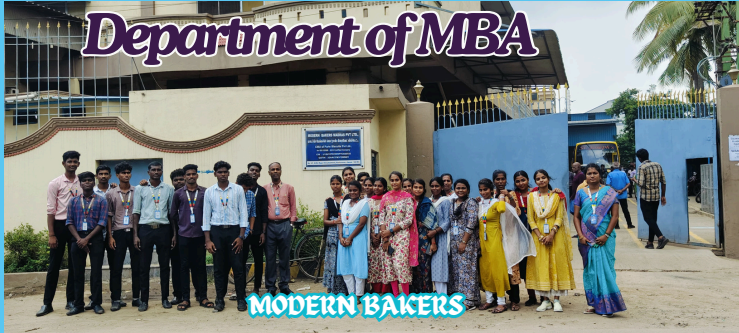

IThe hands-on training at the Fronius Centre was truly enlightening and excited to apply these new skills in their upcoming projects

Industrial Visit

12 - 17 Aug 2024

Department of MBA

MODERN BAKERS

Department of Electronics & Instrumentation Engineerin

National Institute of Ocean Technology

CIVIL

GREEN HOMES ON LAKE VIEW ROAD

Mechanical Engineering

IGP ENGINEERS INDIA PVT. LTD

BIOTECHNOLOGY

QUANTUM BIOMEDICALS", MADHAVARAM

Mechanical Engineering

GRUNDFOS PUMPS INDIA PVT. LTD.

Mechanical Engineering

RK HEAVY ENGINEERING PVT., LTD.

Department of AIML

SEED FOR SAFETY, PADAPPAI

Mechanical Engineering

RK HEAVY ENGINEERING PVT., LTD.

AIML

Industrial Visit

12 - 17 AUG 2024

DEPARTMENT OF CSE

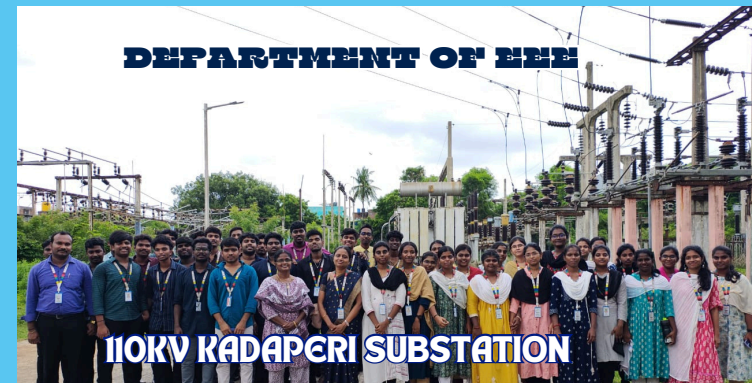"AI-Cloud Solutions", Kodambakkam

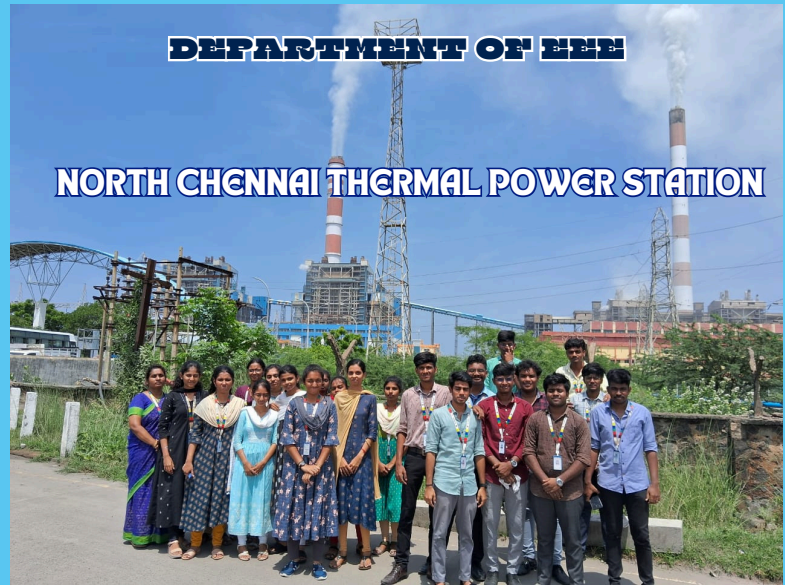**CHEMICAL ENGINEERING**

Modern Bakers

ELECTRONICS AND COMMUNICATION ENGINEERING

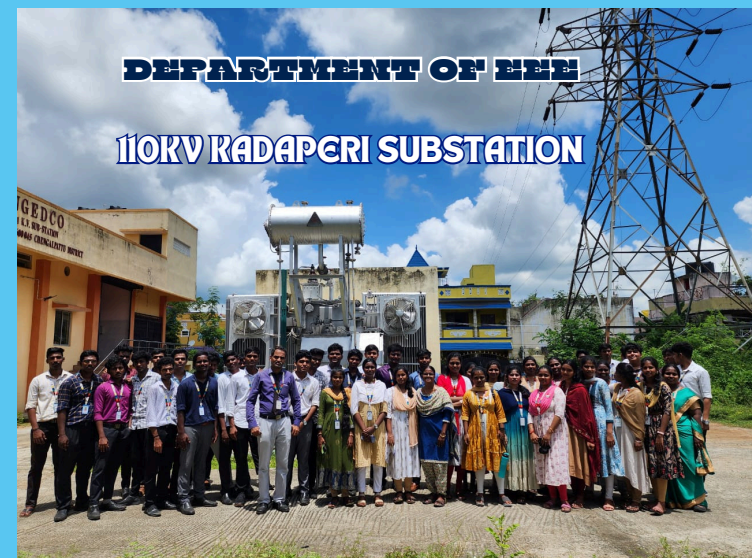Indian Space Research Organisation (ISRO)
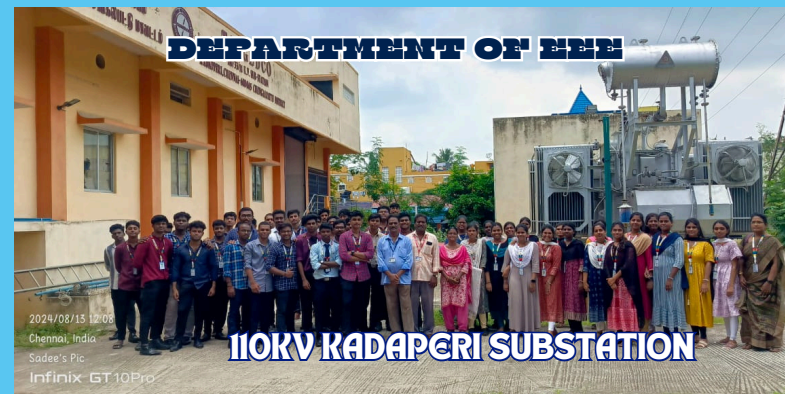

DEPARTMENT OF EEE

110KV KADAPERI SUBSTATION

DEPARTMENT OF EEE

NORTH CHENNAI THERMAL POWER STATION

DEPARTMENT OF EEE

110KV KADAPERI SUBSTATION

DEPARTMENT OF EEE

110KV KADAPERI SUBSTATION

Ms. Kanmani Prabha

ALUMNI TALK

An insightful alumni interaction event held on August 16, 2024, students had the privilege of hearing from Kanmani Prabha, a distinguished alumna from the 2019-23 batch. Currently working as a Graduate Engineer Trainee (GET) in the Aircraft Engineering Division at AIESL Trivandrum

Mr. Maria Arul Jeffrey P

Department of Electrical and Electronics Engineering organised Alumni Talk on topic"Interview Preparation for your career path" by our alumnus Maria Arul Jeffrey P graduated in 2022. He shared his journey of placement preparation and job roles which motivated students for core industry placement.

N G O

12 - 17 AUG 2024

DEPARTMENT OF MBA

Queenship of Our Lady's Convent, Koothavakkam

ANBU THONDU NILAYAM, CHENGELPET

Department of EEE

Engineering Excellence

Expertise sharing for XI & XII students

Staff Achievements

PUBLICATION:

1 Mr. KMB. Karthikeyan, Mr. G, Kasirajan, Mr. T. Balasubramanian, Mr. G. Ashwin Prabhu, Assistant Professors from Department of Mechanical Engineering Completed a one week faculty development Program on "Technological Advancement in Synthesis of Noval Materials" Organized by Chaitanya Bharathi Institute of Technology (A), Hyderabad during 05/08/2024 to 10/08/2024.

2 Dr. Aghalya, Published a Journal titled "Cloud based prediction of epileptic seizures using real-time electroencephalograms analysis" in International Journal of Electrical and Computer Engineering.

3 Dr. D. Lakshmi, published a Journal titled "Hybrid model-based early diagnosis of esophageal disorders using convolutional neural network and refined logistic regression", EURASIP Journal on Image and Video Processing,

4 Mrs. E.Malarvizhi Published a Patent titled "INTELIGENT SWARM ROBOTICS SYSTEM FOR AUTONOMOUS INSPECTION AND MAINTENANCE OF POWER TRANSMISSION LINES".

5 Mr.G.D.Vignesh Published a Patent titled "A MULTI-AGENT AI SYSTEM FOR COLLABORATIVE MUSIC COMPOSITION AND PERFORMANCE".

We the Department of computer science and Engineering, proudly presents, "Dr A. Chandra Sekar", Dean Research of st.josephs group of institutions , who have guided "37 PhD scholars" for both full time and part time scholars. Under his guidance many scholars achieved their dream of Doctorates by excelling in different domains and streams with various reputed journals publication . In that "Ms Nivedha.E" completed her viva voice on "16th August 2024" with his immense hardwork and dedication.

Student Achievement

800 USD (Rs. 66,736/-) received from IEEE Member and Geographic Activities (MGA) for Excellence in Number of Events Conducted in the year 2023 150 USD (Rs. 12,592/-) received from IEEE Power and Energy Society Students and Young Professionals for PES High Performing Student Branch Chapter Awards Rs. 15,000/- received from IEEE Madras Section for CONOCITHON 3.0-Hackathon.

Shamurutha J A, Final Year EEE student won Second Prize in Kalaignar Nootrandu Pechu Potti with a prize amount of Rs.10,000.

JAISON ALEXANDER and JASMINE J Final Year EEE students won First prize with amount of Rs. 10,000 in IEEE MAS Student Project Funding (SPF) 2023 -2024, an event conducted by IEEE Madras Section at B. M. Birla Planetarium, Chennai.

From the Department of computer science and engineering, we proudly present, team "Code One" with students " E. Vignesh, P. Sarumathy, B. Snekan, S. Srivatsan" and mentor "Dr. B. Uma Maheswari" on the problem statement "Optimising Urban Futures: Leveraging Digital Twins for Comprehensive Infrastructure" were selected as "Finalists" ISRO - BAH Grand Finale.

Our team, "Code One," participated in the 30-hour Finale of the ISRO - Bharatiya Antariksh Hackathon 2024 on August 13th and 14th, 2024, at the National Remote Sensing Centre(NRSC) each of whom ranked first in their respective problem statements, to present in front of ISRO officials. The ISRO mentors, officials, and evaluators appreciated the team's work and engaged in discussions about offering internships at ISRO.

Student Achievement

R. Karthick, a third-year Electronics and Communication Engineering student, won first place at the **Tink Test** competition held at MIT, Anna University. His exceptional performance earned him a cash prize of Rs. 500.

P.Kaviya a third-year Electronics and Communication Engineering student, won first place at the **Techint** competition held at MIT, Anna University. Her exceptional performance earned her a cash prize of Rs. 500.

S.Lithin a third-year Electronics and Communication Engineering student, won first place at the **Tech Quiz** competition held at MIT, Anna University. His exceptional performance earned him a cash prize of Rs. 500.

P.Prasanth a third-year Electronics and Communication Engineering student, won first place at the **Tech Grill** competition held at MIT, Anna University. His exceptional performance earned him a cash prize of Rs. 500.

M.R. NANDHINI a Second -year Electronics and Communication Engineering student, won Second place at the BRAIN BUSTER competition held at VELAMMAL ENGINEERING COLLEGE and won a cash prize of Rs.1000