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SPECTACULAR PERFORMANCE AND RAPID KNOWLEDGE OF SREC



NEWSLETTER

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**SANTHIRAM ENGINEERING COLLEGE :: NANDYAL
(AUTONOMOUS)**

Approved by A.I.C.T.E., New Delhi, Provisionally Affiliated to JNT University, Anaparthi,
Accredited by NAAC with Grade-A, Accredited by NBA (ECE & CSE)
As ISO 9001:2015 Certified Institution, 2(I) & 2(B) recognition by UGC Act, 1956
NH-40, NANDYAL-518501 (Dist), A.P.

LEARN-GROW-EMPOWER

HIGHLIGHTS OF THE ISSUE

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- Greetings from Chairman's Desk
- Greetings from MD's Desk
- Greetings from Principal's Desk
- Vision and Mission of SREC
- Courses offered
- News from the Departments' corner
- Women Empowerment Cell
- NSS unit
- Sports and Games
- Arts and cultural and clubs
- Placements
- ABHINAVA - SIGMA 2K24
- SANTHIRAM MAHA SANGRAM (SMS) 2K24
- Media Glimpses

GREETINGS FROM THE CHAIRMAN'S OFFICE

I'm delighted to announce that the first batch of autonomous systems at our institution have been installed successfully. This remarkable accomplishment brings in an exciting new chapter in our commitment to establishing precedent in engineering education.

I cordially congratulate our students and staff and extend my appreciation for your relentless commitment and hard work for achieving this milestone.

It is especially important to concentrate on advancements in robotics, artificial intelligence, and sustainable engineering methods in today's rapidly evolving technological landscape. Our college is consistent in its support of such initiatives, offering cutting-edge resources, knowledgeable mentorship, and abundance of possibilities for both research and real-world applications.

Let's work together to push the limits of engineering education and make sure that our university continues to be at the forefront of both academic and technical advancement.

GREETINGS FROM THE MD'S OFFICE

I extend my best wishes to the team for the institute's autonomy. This achievement has much more to bring in. Technological developments are the basis of engineering progress.

In today's fast-paced world, adopting front-line technology and imaginative strategies is essential for retaining competitiveness. As we navigate these shifts, time management competencies become vital to coordinating professional, personal, and academic development.

I urge all of our students to gain skills that are in line with what industry are looking for. To acquire real-world experience, actively participate in workshops, pursue internships, and engage in practical learning.

Employability largely depends on Keeping up with the most recent developments in technology and trends.

As an engineer, your path is determined by continuous learning and adaptability by doing outstanding things with an enormous effect on society.

GREETINGS FROM THE PRINCIPAL'S OFFICE

I am grateful to all the stakeholders for another successful year of excellence and success. Here we insist on embracing every challenge with curiosity and resilience. At Santhiram Engineering College, we are committed to equipping you with the skills and knowledge needed to innovate and excel. The students are advised to stay dedicated towards their goal and make the optimization of resources to ensure your success.

Experience the best of learning and skill development through our courses, internships, and workshops. The empirical knowledge you gain here will take you to the pinnacles. Your journey of discovery begins here, and we are excited to support you every step of the way.

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COLLEGE VISION:

To become a nucleus for pursuing technical education and pool industrial research and developmental activities with social- conscious and global standards.

COLLEGE MISSION:

- To provide Advanced Educational Programs and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University.
- To establish postgraduate programs in the current and Advanced Technologies.
- To establish an R&D Consultancy through developing Industry Institute Interaction, building up exceptional infrastructure.
- To propel every individual, realize and act for the technical development of the society.

COURSES OFFERED @ SREC:

Branch	Intake
Electrical & Electronics Engineering (EEE)	30
Electronics & Communication Engineering (ECE)	120
Computer Science & Engineering (CSE)	210
Computer Science - Data Science (CSD)	120
Computer Science -Artificial Intelligence & Machine Learning (CSM)	60
Master of Business Administration (MBA)	120
Master of Computer Applications (MCA)	120
M.Tech. (ECE)VLSI System Design	18

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PROGRAMMES CONDUCTED:

In association with IEEE Student Branch STB 17901 & IEEE Power Electronics Society SBC 17901C

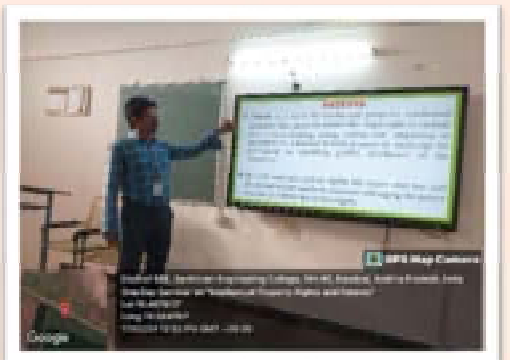
1. One Day Seminar On "NPTEL-Swayam" was organised for II & III EEE students on 24th January resourced by **Mr M.Y Veeresh**, HOD of EEE Dept., SREC.



2. One Day Workshop On "Design Analysis & Simulation Of Electric Vehicle Dynamics" was organised for II & III EEE students on 29th January, resourced by **Mr M.Y Veeresh**, HOD of EEE, SREC.



3. One Day Seminar On "Intellectual Property Rights And Patents" was organised for II & III EEE students on 17th February, resourced by **Mr. A. Raghavendra Prasad**, Asst. Prof, SREC.



4. One Week Certificate Program On "Advancement & Future Scope Of Electric Vehicles & Drive Train Systems" was organised for IV EEE students from 22nd February resourced by **Mr M.Y Veeresh**, HOD of EEE, SREC.



5. One Day Seminar On "Research Methodology" was organised for III & II EEE students on 18th resourced by **Mr.S.Seetharamudu** Asst.Prof, EEE, SREC.



6. One Week Certificate Program "Modelling & Analysis Of Grid Interfaced Solar PV Systems" for III & II EEE from 01st April. **Dr K.Rajasekhara Reddy**, Asso.Prof & **Mr S.Seetharamudu**, Asst.Prof Dept.of EEE SREC acted as resource persons for this program.



7. One Day Seminar On "Career Guidance & Higher Education" for IV B.Tech-II Sem EEE students on 06th March resourced by **Dr K.Rajasekhara Reddy**, Assoc. Prof, EEE, SREC.



8. One Day Industrial Visit To 765/400 KV Substation Power Grid Corporation Of India Ltd was organised on 24th February for III & II EEE. Asst. Prof. **Mr. S. Seetharamudu & Mr. A. Raghavendra Prasad** coordinated .



FACULTY ATTENDED FDP'S/WORKSHOPS:

- The following faculty members have participated One week online FDP on "Emerging Trends and Challenges in Renewable Energy Systems" held from 05th February by GIT, Gooty.
 - Dr.K.Rajasekhara Reddy Associate Professor,
 - Mr.M.Y.Vecresh, Assistant Professor,
 - Mr.S.Seetharamudu, Asst Prof
 - Mr.A.Raghavendra Prasad, Asst Prof
 - Mr.V.Ramanjineyulu, Asst Prof
 - Mr.N.V.S.Prasad, Asst Prof
- Mr.A.Raghavendra Prasad, Asst. Prof, has participated 1 week online FDPs on:
 - "Viksit Bharat 2047- Role of Engineering Faculty" held from 29-01-2024 to 02-02-2024 organized by RGUKT, IIIT RK Valley, Kadapa & ALITS, Anantapuramu.
 - "Aiming Towards 3D's in Electrical Engineering" held from 11-03-2024 to 15-02-2024 organized by MGIT, Hyderabad.

- "Advancing Power Grid Operations: Integrating Renewable Sources and Evs at Scale" held from 20-05-2024 to 24-05-2024 organized by SR University, Warangal.

- Mr.N.V.S Prasad, Asst. Prof., has participated in One week online FDP on
 - "Viksit Bharat 2047- Role of Engineering Faculty" held from 29th January organized by RGUKT, IIIT RK Valley, Kadapa & ALITS, Anantapuramu.
 - "Research Methodology and Publication Ethics" held from 01st February organized by MBU, Tirupathi.
 - "Aiming Towards 3D's in Electrical Engineering" held from 11th March organized by MGIT Hyderabad.
 - "Recent Advances in Control and Instrumentation with Integration of Artificial Intelligence: Opportunities, Challenges, and Implications" held from 01st April organized by Department of BSH, UEM Kolkata, Kolkata.
 - "Advancing Power Grid Operations: Integrating Renewable Sources and Evs at Scale" held from 20th May organized by SR University, Warangal.

FACULTY ACHIEVEMENTS:

- Mr.A.Raghavendra Prasad, Asst. Prof. joined as Research Scholar (Ph.D Admission) in **Mohan Babu University**.

STUDENTS CURRICULAR PROGRAMS:

- Mr. Shaik Mohammed Wasim (23X55A0222) & C.Madhan Kumar (23X55A0203) have participated in **"KITES-2K24 National level Technical Symposium"** on 28th February organized by Dr K V Subba Reddy Institute of Technology, Kurnool.
- 4 students have participated in Paper presentation in XX National level Technical Symposium (Pravaha-2K24) on 14th and 15th March organized by RGM College, Nandyal.
- Ms. S.Arshiya IV-II, has won **1st Prize** won prize and Mr. S. Mohammed Wasim of II-I has won **2nd Prize**, in National level Technical Fest (Dillana-2K24) on 27th and 28th March organized by SVR Engineering College, Nandyal.

STUDENTS ARTS & CULTURAL PROGRAMS:

The following students participated and won prizes in the **"SIGMA-2K24 ABHINAVA"** on 15th and 16th April, organized by SREC, Nandyal.

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- Ms. S.Lakshmi Surabhi IV-II has won **2nd Prize** in Dancing Competition and
- Mr. S.Uday Kumar Yadav II-II has won **2nd Prize** in Fashion Show

STUDENTS INTERNSHIPS:

YEAR	DOMAINS	PROVIDER
39 Students Of II & III YR	AI-ML, Intelligent Automation, Cyber Security, Cloud, Embedded System Developer, Zero Trust Cloud Security & Android Developer	AICTE and EDU Skill.
54 Students Of II & III YR	Electric Vehicle, Auto CAD, Solar PV Plant Design, Industrial Automation & Substation Design	EDU SKILL DZIRE in collaboration with AICTE.
62 Students of III YR	Dynamic and Control, IOT Sensors and Devices & Introduction to the Internet of Things	Edx.

SWAYAM - NPTEL :

- ✓ **27** students have successfully completed NPTEL course with **Elite - Silver**
- ✓ **47** students did course with **Elite**
- ✓ **8** students completed the courses Introduction to Internet of Things & Smart Grid: Basics to Advanced Technologies during January to April 2024 (12Weeks)

PUBLICATIONS

- Mr.M.Y.Veeresh & N.V.Pushpalatha (21X55A0226) et.al Development of an LPG Monitoring and Automatic Cylinder Booking System Based on Wireless Sensor Networks, in International Journal of Scientific Research & Engineering Trends, Vol.10, Issue No.2, Pg No: 486-490, ISSN: 2395-566X, March/April 2024.
- Mr.M.Y.Veeresh & U.Prashanth (21X55A0237) et.al Arduino Based Low Cost Active Dual Axis Solar Tracker, in International Journal of Scientific Research & Engineering Trends, Vol.10, Issue No.2, Pg No: 542-547, ISSN: 2395-566X, March/April 2024.
- Mr.S.Seetharamudu & M.Raveendra Naik (21X55A0223) et.al Smart Home Automation Using Alexa with Node MNC, in International Journal of Scientific Research & Engineering Trends, Vol.10, Issue No.2, Pg No: 1483-1487, ISSN: 2395-566X, March/April 2024.
- Dr.K.Rajasekhara Reddy & K.Sridhar (21X55A0221) et.al Cloud Based Wireless Sensor Network For Industrial Parameter

Monitoring, Fault Detection And Alert System, in International Journal of Creative Research Thoughts, Vol.4, Issue No.2, Pg No: 2320-2882, ISSN: 2320-2882, April 2024.

- Dr.K.Rajasekhara Reddy & S.Arshiya (21X55A0231) et.al Renewable Energy Integration INTO Cloud and IOT Based Smart Agriculture, in International Journal of Progressive Research in Engineering Management and Science, Vol.12, Issue No.4, Pg No: 1689-1696, ISSN: 2583-1062, April 2024.
- Mr.M.Siva Sankar & M.Raveendra Naik (21X55A0223) et.al Low Power Smart Vehicle Accident Detection and Monitoring, Collision Avoidance and Antitheft System, in International Journal of Progressive Research in Engineering Management and Science, Vol.4, Issue No.4, Pg No: 1637-1641, ISSN: 2583-1062, April 2024.
- Mr.Raghavendra Prasad & J. Samir Kumar (20X51A0210) et.al Published a Paper on IOT Based Real Time Health Monitoring System, in International Journal of Science, Engineering and Technology, Vol.12, Issue No.2, Pg No: 1-6, ISSN: 2348-4098, April 2024.
- Mr.Raghavendra Prasad & B.Harun (21X55A0204) et.al IOT Based Bank Security System, in International Research Journal of Modernization in Engineering Technology and Science, Vol.6, Issue No.4, Pg No: 8247-8253, ISSN: 2582-5208, April 2024.
- Mr.U.M.Sandeep Kumar & B. Parushotham Naidu (21X55A0206) et.al Solar Based Wireless Electrical Vehicle Charging System, in International Journal of Progressive Research in Engineering Management and Science, Vol.4, Issue No.4, Pg No: 1548-1555, ISSN: 2583-1062, April 2024.
- Mrs.R.Sujatha & V.Harshavardhana Achari (21X55A0238) et.al IOT Based Fault Detection of Underground Cables Through MCU Module, in International Journal of Progressive Research in Engineering Management and Science, Vol.4, Issue No.4, Pg No: 1245-1252, ISSN: 2583-1062, April 2024.
- Mr.V.Ramanjineyulu & L.Srikanth (20X51A0211) et.al Design of an Agricultural Picking Robot Based on a Arduino, in International Journal of Research Publication and Reviews, Vol.5, Issue No.4, Pg No: 6339-6347, ISSN: 2582-7421, April 2024.

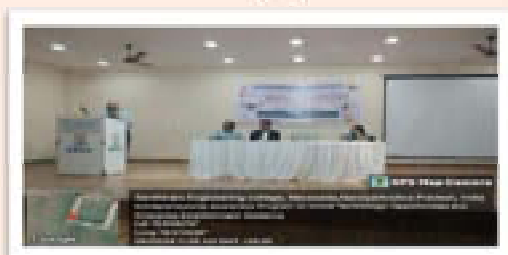
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROGRAMS ORGANISED:

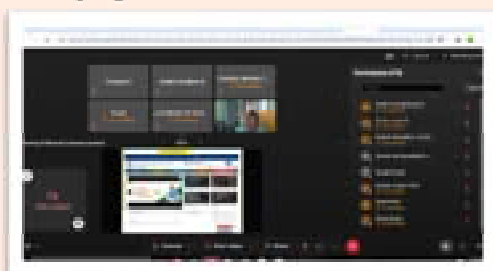
1. **One week Add-on certificate Program on "Introduction to Deep Learning"** was conducted during 05th -10th Feb. Dr. Shivnath, Asst. Prof. SREC, Nandyal, acted as resource person.



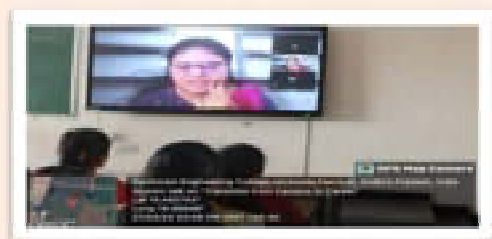
2. **One day Program on "Entrepreneurship Awareness Program on Drone Technology"** was held on 09th February. The program was resourced by Mr.K.Vamsi Krishna, Director, India Drone Academy, Hyderabad.



3. **One day online Workshop on "Intellectual Property Rights"** was conducted on 28th Marh. Dr. Bhart N Suryawanshi, Assistant Controller of Patents & Designs acted as resource person for this program.



4. **One Day Alumni Program on "Transition from Campus to Career"** was held on 27th April, resourced by Ms.Suneetha, S/W Developer, Centrico India S/W Pvt. Ltd .



5. **One Day Online Webinar on "Artificial Intelligence & Machine Learning"** was held on 23 Apr,2024 in association with Pantech e Learning.



6. **One Day Industrial Program on "Ultra Mega Solar Park, Kurnool"** was arranged on 3rd Feb,2024, for II-II sem students.



DEPARTMENT ACHIEVEMENTS:

Department has entered into an MOU with the following companies with period of 5 years.

- ❖ India Drone Academy
- ❖ IPAGE UMS

FACULTY ACHIEVEMENTS:

An Award ceremony was held by Artificial Intelligence Medical and Engineering Researchers Society (AIMERS) on 2nd March at Hyderabad and the recipients of various awards are:

- Dr. M.V. Subramanyam, Professor, **Life time Achievement Award.**
- Dr. Y. Mallikarjuna Rao, Professor, **Student Mentorship and Development Award.**
- Dr. G. Sowmya, Assoc. Professor, **Student Mentorship and Development Award.**
- Ms. B. Alekya Hima Bindu , Asst.Professor, **Student Mentorship and Development Award.**
- Dr.Y.Mallikarjuna Rao, Professor, has received **Syestha Acharya Award** from Bharat Education Excellence awards-2023-2024.
- Dr.C.Shivnath, Professor, qualified in GATE-2024 in ECE and DS&AI
- The Following faculty were qualified in APRCET-2023-24
 - Mr.N.Sreenivasa Rao
 - Mr.M.Mahesh Kumar
 - Mr.S.Rambabu

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- Dr.G.Sowmya secured 100% result for the course of Smart Sensors in IV-I-ECE
- Ms.V.Nagamani secured 100% result for the course of Introduction To Internet of Things in IV-I-ECE

FACULTY DEVELOPMENT PROGRAMS:

1. The following faculty members attended One Week FDP on Design & Innovation on Wireless Communication with Advanced Technology, during 17-22 Jan, 2024, organized by GATES, Institute Of Technology, Gooty
 - Dr. S. N. Chaudhri
 - Mr.S.Javid Basha
 - Mr.S.Mahammad Eliyas
 - Mrs.B.Alekya Himabindu
 - Mr.K.Vinod Kumar
2. Mrs.V.NAGAMANI, Asst. Prof attended FDP on Applied Cloud Computing for Full Stack Web Development, during 08-12 Jan, 2024, organized by Tech Saksham.
3. Mr.K.Vinod Kumar, Asst. Prof attended FDP on
 - Business Analytics, during 05-09 Feb, 2024, organized by AISSMS College of Engineering, Pune University.
 - Deep Learning and Artificial Intelligence, during 26 Feb-01 Mar, 2024, organized by Andhra Pradesh State Skill Development Corporation.
4. Ms.B.Alekya Himabindu, Asst. Prof attended FDP on
 - Research Methodology and Project Work Guidance, during 12-13 Mar, 2024, organized by Government Degree College Korutla, Jagtial District, Telangana.
 - Generative AI, during 01-06 Apr, 2024, organized by Dr D Y Patil College of Engineering & Innovation, Pune.
5. Mr.V.Sankarnath, Asst. Prof attended FDP on Data Visualization Using Tableau, during 01-05 Apr, 2024, organized by Mohan Babu University, Tirupati.

FDPs THROUGH NPTEL FROM JAN-APR-2024:

1. The following faculty successfully completed the NPTEL-FDP on **Introduction to Internet of Things**.
 - Mr.Shaik Javid Basha
 - Mr.V.Shankarnath
 - Mr.S.Girishbabu
 - Mr.S.Rambabu
 - Mr. Syed Munawwar
 - Mr.Shaik Mohammad Eliyas
 - Mr.P.Surendra Babu
 - Ms.B.Alekya Hima Bindu
 - Ms.S.JayaMangala
 - Ms.P.Merry Swetha
 - Mr.K.Pedda Obuleshu
2. NPTEL-FDP on **Deep Learning** -IIT Ropar:
 - Dr.Y. Mallikarjuna Rao, Prof.
 - Dr. Shivanath Chaudhari, Asst. Prof

3. NPTEL-FDP on **Machine Learning for Engineering and Science Applications:**

- Dr. Shivanath Chaudhari
- Mr.K. Vinod Kumar
- Mr. V. Shankar Nath

4. Dr. Shivanath Chaudhari, Asst. Prof successfully completed NPTEL-FDP on **Introduction to Embedded System Design**.

WORKSHOPS ATTENDED:

1. The following faculty attended 5 DAYS ONLINE WORKSHOP ON SPSS IN RESEARCH, during 26-30 Jan, 2024, organized by Star International Foundation, Chennai.
 - Dr. G. Sowmya Gali
 - Ms. V. Nagamani
 - Ms. Bikkili Alekya Himabindu
 - Ms. P. Mary Swetha
 - Mr.S.Mahammad Eliyas
 - Mr.M.Mahesh Kumar
2. The following faculty attended 2Days Online Workshop on Face Detection Using OpenCV and AI, during 04-05 Jan, 2024, organized by Tech Solution Pvt Ltd., Chennai.
 - Dr. G. Sowmya Gali
 - Ms.N.Jyothsna
 - Mr.P.Surendra Babu.

FACULTY PATENTS:

- ✦ IPR India Patent and Trademark Office has granted Patent No. 413594-001 to Dr.Y.Mallikarjuna Rao for his innovative Design of "AI & CLOUD BASED PUBLIC SECURITY CAMERA DEVICE" as of 13 June, 2024.

STUDENT JOURNALS:

- ✦ A total of 125 students published 31 papers in various reputed journals that were indexed by Google Scholar.
- ✦ A total of 8 students published 8 papers in "The International Journal of Interdisciplinary Organizational Studies", Vol.19, Issue No.1, (ISSN 2324-7657), indexed by Scopus.

STUDENT ACHIEVEMENTS:

Participation in technical symposiums and prizes:

1) KITES: A National Level Technical symposium.

- Sai Vyshnavi and S. Naziya won 2nd prize for paper presentation.
- A total of 12 students have participated in the paper presentation.

2) RIPPLES: National Technical Symposium Organised by RGM College of Engineering And Technology.

- 38 students participated and Panyam Ramya won 2nd prize for the paper presentation

3) Technical Symposium organised by Ashoka Women's Engineering College, Kurnool.

- Dudekula Uday Simha and Kottam Sameer won 2nd prize for the project contest

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- 3 students participated and Kottam Sameer and Dudekula Uday Simha won 1st prize in circuit debugging contest.
- A total of 2 students have participated in the project contest.
- A total of 6 students participated in the paper presentation.

4) DILLANA: A National Level Technical Symposium organized by SVREC, Ndl.

- A total of 4 students participated in the paper presentation.
- IEEE YESIST-12 by Ravindra College of Engineering for Women, Kurnool.
- A total of 8 students got selected for the Next Level

5) SMS Annual Sports Day organised by SREC.

- Winners of the Kabaddi (Men) event.
- Runners-up in the Women's Cricket tournament.
- Runners-up in Women's Throwball tournament

MOOCS THROUGH NPTEL:

- The total of 75 students have successfully completed NPTEL on Data Analytics with Python, during Jan-Apr 2024.
- The total of 51 students have successfully completed NPTEL on Introduction To Embedded System Design, during Jan-Apr 2024

VIRTUAL INTERNSHIPS:

1. 386 students have completed AICTE - EDUSKILLS Internship.
2. 113 students have completed KODNEST Internship.

PUBLICATIONS

1. Dr.M.V.Subranyam, et.al, "Adaptive Mobility Target Tracking with Metaheuristic Aided Target Movement Prediction Scheme in Wireless Sensor Network", Wireless Personal Communications, Vol. 34, Apr-2024.(SCIE Indexing)
2. Dr.M.V.Subranyam, et.al, "Mobility Target Tracking with meta-heuristic aided target movement prediction scheme in WSN using adaptive distributed extended Kalman filtering" International Journal of Communication Systems, Vol. 37, No.11,Mar-2024.(SCIE Indexing)
3. Dr.M.V.Subranyam, et.al, "Hybrid Chameleon Search and Remora Optimization Algorithm-based Dynamic Heterogeneous load balancing clustering protocol for extending the lifetime of wireless sensor networks" International Journal of Communication Systems, Vol. 37, No.11,Mar-2024.(SCIE Indexing)
4. Mr.S.Javid Basha,et.al, "CNTFET-based digital arithmetic circuit designs in ternary logic with improved performance", Advances in Electrical

Engineering, Electronics and Energy, Vol No7 ,PP:1-10,Jan-2024(Scopus Indexing)

5. Dr. C. Shivnath, et.al, "A Discriminatory Groups-based Supervised band selection technique for hyperspectral image classification", Remote Sensing Letters, Vol.15, No.02, pp:111-120 Jan-2024.(ESCIE Indexing)
6. Dr.Y.Mallikarjuna Rao, et.al, "A novel NASNet model with LIME explainability for lung disease classification", Biomedical Signal Processing and Control, Vol. 93, Feb-2024.(SCIE Indexing)
7. S.JayaMangala, et.al, "Optimizing biocompatible materials for personalized medical implants using reinforcement learning and Bayesian strategies", The Scientific Temper, Vol. 15, No. 01, Apr-2024.(WoS indexing)
8. Dr.Y.Mallikarjuna Rao,Mr.S.Rambabu, et.al, "Performance Analysis of Nano Transistor Based Binary and Ternary Logic Gates", International Journal of Integrated Engineering, Vol. 16, No. 02, Apr-2024.(ESCIE Indexing)

FACULTY CONFERENCE PUBLICATIONS: ECE

1. Dr. C. Shivnath, et.al, has presented "Enhancing Security with Microwave and LIDAR Sensor Integration" paper in 4th International Conference on Emerging Systems and Intelligent Computing (Bhubaneswar)
2. Mr.N.Sreenivasa Rao,et.al, has presented paper on "An Investigation of a Matching Circuits for Radio Frequency Energy Harvesting Applications" paper in 5th International Conference on Systems, Computation, Automation and Networking at MVIT, Pondicherry.
3. Mr. Shaik Javid Basha, et.al, has presented "GNRFET and RRAM Based Digital Gates in Ternary Logic" paper in 2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC), at Sri Siddhartha Institute of Technology Tumkur.
4. Ms.S.Jayamangala, et.al, has presented "Evolution and Potential Application of 6G Wireless Communication in Smart Cities" paper in 2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, at Amity University, Noida. (Scopus Indexing)
5. Mr. Shaik Javid Basha, et.al, has presented "An Effective method to develop pseudo Ntype-GNRFETs based digital circuits in TERNARY LOGIC" paper in The 15th International IEEE Conference On Computing, Communication And Networking Technologies at Himachal Pradesh.

DEPARTMENT ACHIEVEMENTS:

Department has entered an MOU with the following companies with period of 5 years

- 63 SATS on 06.02.2024
- DATA Flair on 15.02.2024
- LINTA Technologies, Tamilnadu on 7.02.2024

FACULTY ATTENDED FDP'S/STTP'S/NPTEL/ EDEX PROGRAMS:

- Following faculty members attended in Five Days National Level **Short Term Training Programme** on "Unlocking Industry Insights in Data Science" from 12th to 16th February, 2024 organized by Department of CSE (Data Science), MITS, Madanapalle.
 - Mrs. V.Lakshmi Chaitanya
 - Ms.S.Naziya Bhanu
 - Mrs.M.Anusha
 - Mrs.M.Sharmila Devi
 - Mrs.M.Jayamma
 - Mr.P.Subha Rao
- Following faculty members participated in Five day National Level online **FDP** on "Python Programming with Django Framework for building web Applications" from 12th to 16th February-2024 organized by Department of CSE, CMR Engineering College
 - Mrs. V.Lakshmi Chaitanya,
 - Mrs.M.Anusha,
 - Ms.S.Naziya Bhanu
 - Mr.P.Bhaskar
- Mr.J.David Sukeerthi Kumar participated in one week **STTP** on "Research Proposal Writing and AI Tools in Education and Research" from 06th to 11th May, 2024 organized by P. R. Pote Patil College of Engineering & Management, Amravati.

NPTEL MOOCs BY FACULTY DURING JANUARY TO APRIL 2024:

- Mr.P.Bhaskar, Asst. Prof. has completed a 12 weeks course on "Compiler Design"
- Mrs.B.Swaraja Lakshmi, Asst. Prof. has completed a 12 weeks course on "Deep learning".
- Mrs.M.Anusha, Asst. Prof. has completed 12 weeks course on "INTERNET OF THINGS".

EDX COURSE COMPLETION BY FACULTY

- **"Python Basics for Data Science"** offered by IBM, an online learning initiative of IBM.
 - Mr.J.David Sukeerthi Kumar, Assoc prof
 - Mr.P.Bhaskar, Asst. Prof.
 - Mrs. V.Lakshmi Chaitanya, Asst. Prof.
 - Mr.M.Amareswara Kumar, Asst. Prof.
- **"Deep Learning with Tensor flow"** offered by IBM, an online learning initiative of IBM,
 - Mrs. V.Lakshmi Chaitanya, Asst. Prof.
 - Mrs.M.Sharmila Devi, Asst. Prof.
- Mrs.M.Anusha, Asst. Prof. has completed a course on **"Introduction to the Internet of Things**

(IoT)" offered by IBM, an online learning initiative of IBM

- Mrs.M.Jayamma, Asst. Prof. has completed a course on **"Software Engineering Basics for Everyone"** offered by IBM, an online learning initiative of IBM.

FACULTY JOURNALS/CONFERENCES:

- Papers Published in International Journal for Research in Applied Science & Engineering Technology, Volume 12, Issue IV, April-2024 with ISSN 2321-9653
 - Dr.S.Md.Farooq, Professor entitled with "Iris Unleashed: Revolutionizing Mouse Control through Open CV"
 - Dr.S.Md.Farooq, Professor entitled with "A Machine Learning Approach for Early-Stage Autism Spectrum Disorders Detection"
 - Mr.P.Bhaskar, Asst. Prof. entitled with "Applied Machine Learning Predictive Analytics to SQL Injection Attack Detection and Prevention"
 - Mr.P.Bhaskar, Asst. Prof. entitled with "Optimized Transfer Learning Based Dementia Prediction System for Rehabilitation Therapy Planning"
- Papers published in International Journal Of Progressive Research In Engineering Management And Science, Volume 4, Issue 4, April-2024 with ISSN 2583-1062
 1. Mr.J.David Sukeerthi Kumar, Assoc. prof. entitled with
 - "Air Quality Index Forecasting Via Genetic Algorithm Based Improved Extreme Learning Machine".
 - "Iris Recognition Modern Voting System Based On Deep Learning".
 2. Mrs.M.Sharmila Devi, Asst. Prof. entitled with
 - "Data Balancing And Cnn Based Network Intrusion Detection System".
 - "Generating Images From Text Using Deep Learning"
 3. Ms.S.Naziya Bhanu, Asst. Prof. entitled with
 - "Exploring Learning Analytics Of Skill Based Courses In Online Using Machine Learning Algorithms".
 - "Optimizing The Kyc Verification System Using Ethereum Blockchain"
 4. Mrs.M.Anusha, Asst. Prof. entitled with
 - "Privacy-Preserving On-Screen Activity Tracking And Classification In E-Learning Using Federated Learning".
 - Blockchain-Based Fake Item Identification System".
 5. Mr.S.Md.Riyaz Naik, Asst Prof. entitled with
 - "State Government Fund Allocation & Tracking System Over Blockchain".

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- "Face Recognition Based Attendance System Using Haar Cascade And Local Binary Pattern Histogram Algorithm".
 - 6. Mrs. V.Lakshmi Chaitanya, Asst. Prof. entitled
 - "AN INTELLIGENT APPROACH TO IMPROVING THE PERFORMANCE OF THREAT DETECTION IN IOT".
 - "DSAS-A SECURE DATA SHARING AND AUTHORIZED SEARCHABLE FRAMEWORK FOR E-HEALTHCARE SYSTEM".
 - 7. Mr.K.V. Sai Phani, Asst. Prof. entitled with "UNVEILING DARK PATTERNS ON WEBSITES"
- Papers published in JOURNAL OF ENGINEERING, COMPUTING & ARCHITECTURE, Volume 14, Issue 4, April-2024 with ISSN 1934-7197
- Mrs.N.Rama Devi, Asst. Prof. entitled with "IOT Based Smart Door Lock System"
 - Mr.P.Subba Rao, Asst. Prof. entitled with "SMART WEARABLE DEVICE FOR WOMEN SAFETY USING IOT"
 - Mr.P.Subba Rao, Asst. Prof. entitled with "A BITCOIN TRANSACTION NETWORK ANALYTIC METHOD FOR FUTURE BLOCK CHAIN FORENSIC INVESTIGATION"
- Mr.S.Nagendrudu, Asst. Prof. published technical paper in INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS, Volume 12, Issue 4, April-2024 with ISSN 2320-2882
1. PRIVILEGE ESCALATION ATTACK DETECTION AND MITIGATION IN CLOUD USING MACHINE LEARNING
 2. SECURITY USING ELLIPTIC CURVE CRYPTOGRAPHY (ECC) IN CLOUD
- Mr.M.Amareswara Kumar Asst. Prof.
- published a technical paper in INTERNATIONAL JOURNAL OF ENGINEERING & SCIENCE RESEARCH, Volume 14, Issue 2, April-2024 with ISSN 2277-2685 entitled with "EFFECTIVE FEATURE ENGINEERING TECHNIQUE FOR HEART DISEASE PREDICTION WITH MACHINE LEARNING"
 - And a paper entitled with "SECURE AND EFFICIENT ONLINE FINGERPRINT AUTHENTICATION SCHEME BASED ON CLOUD COMPUTING" in INTERNATIONAL JOURNAL OF ADVANCES IN ENGINEERING ARCHITECTURE SCIENCE AND TECHNOLOGY, Volume 2, Issue 2, April-2024 with ISSN 2583-7346.
- The Following Faculty Members participated and presented technical papers in National Conference on Emerging Trends in Computer Science & Engineering [NCETCSE2K24] organized by Narsimha Reddy Engineering College, Telangana during 14th & 15th July, 2017.
- Mrs.V.Lakshmi Chaitanya entitled "An Improved Design for a Cloud Intrusion Detection System Using Hybrid Feature Selection Approach with ML Classifier".
 - Mrs.B. Swarajya Lakshmi, entitled "HUMAN BEHAVIOUR RECOGNITION BASED ON MULTISCALE CONVOLUTIONAL NEURAL NETWORK"
 - Mr.M.Amareswara Kumar, entitled "E-voting using facial recognition system"
 - Mr.P.Subba Rao, entitled "GUARDIAN OF USER EXPERIENCE : DEVELOPING A COMPREHENSIVE DARK PATTERNS BUSTER EXTENSION"
 - Mrs. N.Ramadevi, entitled "Forecasting National-Level Self-Harm Trends with Social Networks Using Machine Learning Algorithms"
 - Mr.P.Subba Rao, entitled "Facial Paralysis severity detection using Transfer Learning and Artificial Intelligence"
 - Mr.P.Bhaskar, entitled "Exploring Deep Learning solutions for detecting deep fakes in multimedia"
 - Mrs. M. Sharmila Devi, entitled "CreditCoin: A Privacy-Preserving Blockchain-Based Incentive Announcement Network for Communications of Smart Vehicles"

STUDENTS' ACHIEVEMENTS:

- Three teams were shortlisted for Grand Finale of the Dark Patterns Buster Hackathon which was held from 16th to 18th February 2024 in DPBH-2023 at IIT (BHU), Varanasi.
- M GEETHA, K ANOOSHA, A ALEKHYA, M RESHMA secured first prize in IEEE Project Preliminary Round on 04th March, 2024 in YESIST12-2024.

TECHNICAL SYMPOSIUMS

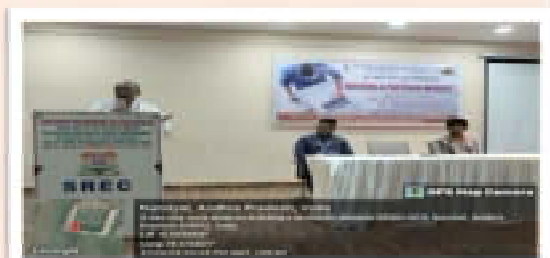
Students' participation and prizes in National Level Technical Symposiums:

1. **AMOGHA RIPPLE-2K24** organised by RGM CET on 26th, 27th March, 2024.
 - K Sri Kala of II-II sem won 2nd Prize in paper presentation.
2. **SIGMA-2K24** organised by SREC on 15th, 16th March, 2024.
 - K. Srikala, K. Jyothsna secured first prize in paper presentation of
 - P. Sairanga secured second prize in the crack the code
3. S.Harini & M.Akshya secured first prize in Ideathon.
4. 129 students have completed internship.
5. 30 students have completed MOOC courses.
6. 20 students were participated in CODING GALA-2024 coding competition on 17-02-2024.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING-DATA SCIENCE

PROGRAMMS CONDUCTED:

1.TWO DAYS WORKSHOP ON "BUILDING A PORTFOLIO WEBSITE" held from 27th to 28th Feb 2024, it was resourced by Mr. P. Durga Prasad Reddy, CTO, LINTA Technologies Chennai.



2.DEPARTMENT OF DATA SCIENCE ENTERED INTO AN MOU WITH EXCELR EDTECH PVT.LTD ON 01-03-2024.



3.THREE DAYS WORK SHOP ON" DATA VISUALIZATION USING TABLEAU" was held from 4th to 6th March 2024 it was resourced by Mr.Mohammad Arif.



4. LABORATORY FOR DATASCIENCE WITH HIGH CONFIGRATION LAUNCHED ON 21-03-2024.



5.ONE WEEK CERTIFICATION PROGRAM ON "FRONT END DEVELOPMENT USING REACT JS" held from 1st to 5th March 2024 in collaboration with Brain O Vision and program is associated with IEEE SREC Student Chapter.



6. NATIONAL LEVEL STUDENT TECHNICAL SYMPOSIUM-ABHINAVA (SIGMA-2K24) CONDUCTED FROM 15-04-2024 TO 16-04-2024



FACULTY PUBLICATION:

1. Mrs. N Ramadevi, Associate Prof. Journal Publication:

- " Mobility Target Tracking with Meta Heuristic Aided Target Movement Prediction Scheme in WSN using Adaptive Distributed Extended Kalman Filtering", WoS(SCIE), ISSN: E5789,
- "Security Solutions for Bank Lockers Utilizing RFID and IOT Voice Reporting". Google Scholar,ISSN:25824384
- "Unified Automation and Safety Protection System for Laboratories using IOT". Google Scholar, ISSN: 2582-4384,
- "Creation and Evolution of an Internet of Things-Based Robot", Google Scholar, ISSN: 2582-4384,
- "Shopping Smart Trolley using IOT". Google Scholar, ISSN: 2582-4384,
- "Spontaneous Traffic Management Mechanism Signal Scheme", Google Scholar ISSN: 2582-4384,

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- "Adaptive Mobility Target Tracking with Meta heuristic Aided Target Movement Prediction Scheme in Wireless Sensor Network", WoS(SCIE), ISSN: 0929-6212,

2. Mr D Satya Narayana Asst. Prof. published a Book Chapter "Unveiling Machine Learning: Theory Algorithms and Practical Application" Published by SK Research Group of Companies SKRGC Publication, Tamil Nadu, ISBN:978-81-19980-72-7

FACULTY CONFERENCE PUBLICATION:

1. Mr D. Satya Narayana Asst Prof published paper "Intrusion Detection System in Explainable Artificial Intelligence by Using Different Algorithms" in International Conference organized by SJB Institute of Technology, Bengaluru on 15th and 16th March 2024 ISBN:979-8-3503-8295-2.

DOI: [10.1109/ICDCOT61034.2024.1051546](https://doi.org/10.1109/ICDCOT61034.2024.1051546)

FACULTY ACHIEVEMENTS:

1. Mrs .N Ramadevi Associate Prof :
 - Awarded as student mentor in " Dark Patterns Buster Hackathon (DPBH-2023)" organized by IIT Banaras HINDU University on 15th March 2024.
 - Acted as Session Chair person in National Conference on "Emerging Trends in Computer Science and Engineering" organized by Narsimha Reddy Engineering College, Hyderabad on 16th April 2024.
 - Achieved 100% pass in course Cloud Computing for IV B.Tech-I Sem 2020 Batch for AY 2023-24
2. Mrs S. Sadia Fatima Asst. Prof. achieved 100% pass in course Social Network Analysis for IV B.Tech-I Sem 2020 Batch for AY 2023-24.
3. Mrs. B.Swarajya Lakshmi Asst.Prof did a course on " Deep Learning" through NPTEL.

WORKSHOPS/FDPs ATTENDED:

1. S.Sadiya Fathima attended following FDPs:
Five Days National Level FDP on unlocking industry insights in data science by MITS from 12th Feb onwards
Five Days FDP on
" impact of Machine Learning, Deep Learning and AI: An Industrial perspective" from 06th may onwards organised by Kongu Engineering College, Perundurai Erode, Tamilnadu.
2. S. Reshma attended Five Days National Level FDP on "unlocking industry insights in data science" from 12th to 16th February organised by MITS.

FDPs THROUGH NPTEL:

1. Mrs.S Sadia Fatima Asst.Prof attended FDP "Introduction to Internet of Things, During Jan 2024 to April 2024.
2. Mrs.S Reshma Asst.Prof attended FDP "Introduction to Internet of Things, During Jan 2024 to April 2024.

FACULTY edX CERTIFICATIONS:

EdX certifications by Faculty:

Faculty name	Total courses
Mrs S Sadia Fatima	3
Ms S Reshma	2
Mrs B Swarajya lakshmi	1
Mr D Satyanarayana	1

STUDENT ACHIEVEMENTS:

1. 57 Students published paper in National Conference on "Emerging Trends in Computer Science and Engineering" organized by Narsimha Reddy Engineering College, Hyderabad.
2. 16 Students actively participated in two days workshop "Dark Patterns Buster Hackathon" organized by Santhiram Engineering College on 24th Jan 2024.
3. Mr S Ruhul Ameen Student IV-I CSD selected for the final round of the " Dark Patterns Buster Hackathon (DPBH-2023)" organized by IIT Banaras HINDU University on 15th March 2024.
4. 33 Students participated in symposium "SIGMA-2K24" organized by Santhiram Engineering College on 15th to 16th April 2024.
5. The team from department won Kabaddi runner-up position in SMS-2K24 organized by Santhiram Engineering College on 22nd to 23rd March-24

MOOCS THROUGH NPTEL:

60 students have successfully completed the "Introduction to IOT course in SWAYAM NPTEL during Jan - April,2024 (12 Weeks Course)

VIRTUAL INTERNSHIP:

1. 51 Students completed 10week Chorot-8 internship under AICTE by Edu Skill from April to June 2024.
2. 57 Students completed 10week Chorot internship under AICTE by kodnest from 8th Jan to 18th Apr 2024.
3. 21 Students completed 10week Chorot-7 internship under AICTE by Edu Skill from Jan to Mar 2024.

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

PROGRAMS CONDUCTED BY THE DEPT:

CERTIFICATE PROGRAM:



A One Month Certificate Program on Soft skills & Employability Skills from 29th Jan to 4th March 2024, was organized for the students. Mr. A. Janardhan, Change Maker, Unnati Foundation, Bangalore was the resource person for this program.

WORKSHOPS:

1) A One-week Workshop on Digital Marketing was organized from 01st to 6th April 2024 for I MBA students. Mr. N. Narayana Swamy, Trainer from Brain-O-Vision, Hyderabad, was the resource person.



2) A Three-day Workshop on Advanced Excel and Data Analytics by using Power BI from 06th to 8th May 2024, was organized for the students of I MBA. Mr. Pawan, Trainer from Brain-O-Vision Pvt Ltd., Hyderabad, was the resource person.



3) A One-week Workshop on R-Programming from 18th to 24th June, 2024 was organized for the students of I MBA. Mr. M. Nagendra Babu, CEO, ReshApp Software Solutions Pvt Ltd., Hyderabad, was the resource person.

CAREER GUIDANCE PROGRAM:

A One-day Career Guidance Programme on Opportunities for MBA Graduates in Finance Sector was organized on 02nd March 2024, resourced by Mr. Ch. Narayana Reddy, Founder & MD, Bright Finance Institute, Hyderabad.

A ONE DAY ALUMNI TALKS:

A One-day Alumni Talk on "Financial Skill for Managers" was organized on 30th March 2024 for MBA students. Alumni Mr. B. Nagendra Kumar (2022-23) Process Executive, Infosys Ltd was the speaker.

A ONE DAY SYNERGY-2K24:

A One-day Internal Meet "SYNERGY-2K24" as a Club Activity was organized on 27th March 2024 for MBA students. S. Md. Ershad Asst Prof. coordinated.

A ONE DAY QUIZ:

A One-day Quiz on "Knowledge Knockout" was organized on 25th April 2024, for II MBA students. M. Vijaya Lakshmi Asst Prof., was the Coordinator.

INDUSTRIAL VISIT:

A One-day Industrial visit to "Damodara Oil Mill, Kurnool" was arranged on 03.05.2024, for II-Sem MBA students (2023-24).



FACULTY NPTEL COURSES:

NPTEL COURSES COMPLETED BY FACULTY DURING JAN-APRIL, 2024:

- Dr. A. K. Neeraja Rani, HOD-MBA, on **Principles of Management** and received Elite+Silver Certificate
- S. Md. Ershad, on **Business Law for Managers**.
- Dr. C. Vindya Vasini, on **Research Methodology**

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- Dr N. Vasudha, on **Organizational Behaviour: Individual Dynamics in Organizational** and received Elite.

EDX COURSES:

- **Dr A K Neeraja Rani, HOD-MBA**
 - People Analytics and Reporting.
 - Diversity, Equity and Inclusion (DEI) in the Workplace.
 - A Strategic Approach To Talent Management
 - Introduction to Human Resources (HR) Leadership and HR Management Strategies
 - The Entrepreneurial Mindset
- **N. Vasudha, Asst Prof,**
 - Cost of Capital
 - Fundamentals of Financial Mathematics and Capital Budgeting
- **Dr C Vindya Vasini, on Risk Management Tools and Practices.**
- **S MD Ershad Course on, Introduction to Marketing.**
- **M Abdul Basid on, Marketing Fundamentals: Who is Your Customer**
- **A V. Viswanath on, Introduction to Marketing**

PUBLICATIONS:

- **S. Md. Ershad, Asst Prof, & S. Suleman, Regd No: 22X51E0041** published paper entitled "A Study on Training and Development", in the International Journal of All Research Education and Scientific Methods, Vol.12 Issue.5, Apr, 2024 with ISSN: 2455-6211.
- The Following papers were published in the International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol.4 Issue.5, May 2024 with ISSN: 2583-1062.
 - **N. Vasudha, Asst Prof, & E. Venkata Krishna, Regd No: 22X51E0017** Published paper entitled "Capital Budgeting".
 - **A. Anitha, Asst Prof, & S. Karishma, Regd No: 22X51E0014** Published paper entitled "Funds Flow Statement".
 - **M. Vijaya Lakshmi, Asst Prof, & Ch. V. Manikanta, Regd No: 22X51E0022** Published paper entitled "A Study on Fixed Asset Management".
 - **Dr. C. Vindya Vasini, Assoc Prof, & V. Bangaralaiah, Regd No: 22X51E0003** Published paper entitled "Control and management of inventory in jayrope sugar industries".
 - **C. Ravi Kumar, Asst Prof, & M. Ganesh, Regd No: 22X51E0008** Published paper entitled "The Relevance of working capital management".
 - **K. Kishore Naidu, Asst Prof, & N. David, Regd No: 22X51E0006** Published paper entitled "Budgetary control as the metric for corporate performance".
 - **P. Padma Bai, Asst Prof, & k Indra, Regd No: 22X51E0011** Published paper entitled "Cash flow statement in Maducon Sugar Industries Ltd".
- **S.Md.Ershad, Asst Prof, & D.Naga Kalyan, Regd No: 21X51E0014** Published paper entitled "A Study on Work Life Balance".
- **M Abdul Basid, Asst Prof, & K Chinna Manidhar, Regd No: 22X51E0021** Published paper entitled "Online Trading Mechanism".
- **A Veera Viswanath, Asst Prof, & S Nagendra, Regd No: 22X51E0027** Published paper entitled "Mergers and Acquisitions".
- **M Nagaraju, Asst Prof, & Y Siva Kumar, Regd No: 22X51E0037** Published paper entitled "A Study on Evaluation of Balanced Funds".
- **M Nagaraju, Asst Prof, & P Rama Suresh, Regd No: 21X51E0029** Published paper entitled "Mechanism of Online Trading".
- The Following papers were published in the International Journal of Research Publication and Reviews, Vol. 4 Issue no. 8, May 2024 with ISSN: 2582-7421.
 - **N. Vasudha, Asst Prof, & C. Supriya, Regd No: 22X51E0042** Published paper entitled "A Study on Financial Performance of Loans and Advances".
 - **M. Vijaya Lakshmi, Asst Prof, & R.V. Rajasekhar, Regd No: 22X51E0030** Published paper entitled "A Study on Funds Flow Statement".
 - **A. Anitha, Asst Prof, & K. Manisha, Regd No: 22X51E0042** Published paper entitled "A Study on Financial Risk Management".
 - **C. Ravi Kumar, Asst Prof, & K.Vamsi, Regd No: 22X51E0043** Published paper entitled "An Analysis of Working Capital Management Efficiency".
 - **Dr. C. Vindya Vasini, Asst Prof, & Kodanda Ramudu, Regd No: 21X51E0009** Published paper entitled "Analysis of Capital Budgeting Techniques in Evaluating the Profitability".
 - **Dr. C. Vindya Vasini, Asst Prof, & T.Siva Kumar, Regd No: 22X51E0036** Published paper entitled "A comparative Study on Management of Inventory".
- The Following papers were published in the International Scientific Journal of Engineering and Management, Vol. 3 Issue.5, Apr-May 2024 with ISSN: 2583-6129.
 - **S. Md. Ershad, Asst Prof, & E.Chenna Keshava, Regd No: 22X51E0005** Published paper entitled "A Study on Employee Relationship Management".
 - **N.Vasudha, Asst Prof, & N. Naga Surendra, Regd No: 22X51E0026** Published paper entitled "A Study on Asset and Liability Management".
 - **M Vijaya Lakshmi, Asst Prof, & G.Girija Rani, Regd No: 22X51E0009** Published paper entitled "Cost Benefit Analysis".

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- A. Anitha, Asst Prof, & G.Apsana, Regd No: 22X51E0002 Published paper entitled "A Study on Fixed Asset Management".
- Dr A K Neeraja Rani, HOD & K Bruhati Manasa, Regd No: 22X51E0004 Published paper entitled "A Study on Impact of Work Life Balance on the Job Satisfaction of the Employee" in International Journal of Research and Engineering Technology Vol. 5 Issue. 6, Jun 2024 with ISSN: 2455-1341.
- The Following papers were published in the International Research Journal of Modernization in Engineering Technology and Science Vol. 6 Issue. 5, May 2024 with ISSN: 2582-5208.
 - Dr. C. Vindya Vasini, Asst Prof, & U. Karthikeya, Regd No: 22X51E0015 Published paper entitled "Capital Budgeting Techniques in Heritage Foods".
 - K. Kishore Naidu, Asst Prof, & D. Mahesh, Regd No: 22X51E0020 Published paper entitled "Financial Statement Analysis in HBL Power Systems LTD".
 - C. Ravi Kumar, Asst Prof, & G. Madhu Sai, Regd No: 22X51E0018 Published paper entitled "Investment Management in Reddy's Labs".
 - P. Padma Bai, Asst Prof, & S. Mohammad Mansoor, Regd No: 22X51E0024 Published paper entitled "A Study on Financial Performance of Loans and Advances".
- The Following papers were published in the Journal Publication of International Research for Engineering and Management Vol. 10 Issue. 6, May 2024 with ISSN: 2152-2061.
 - M Abdul Basid, Asst Prof, & J Dharma Teja Reddy, Regd No: 22X51E0007 Published paper entitled "A Study on Capital market".
 - M Abdul Basid, Asst Prof, & P Maha Lakshmi, Regd No: 22X51E0019 Published paper entitled "Capital Structure its Impact on Profitability".
 - A Veera Viswanath, Asst Prof, & V Mohan Babu, Regd No: 22X51E0025 Published paper entitled "Capital Structure Analysis".
 - M Nagaraju, Asst Prof, & A Veerasekhar Reddy, Regd No: 22X51E0044 Published paper entitled "A Study on Receivables Management".
- The Following papers were published in the International Journal of Science Engineering and Technology, Vol. 12 Issue. 3, May 2024 with ISSN: 2348-4098.
 - M Abdul Basid, Asst Prof, & S Khaza Peer, Regd No: 22X51E0016 Published paper entitled "A Study on Indian Stock Market".
 - A Veera Viswanath, Asst Prof, & P Raj Kumar, Regd No: 22X51E0029 Published paper entitled "Dividend Policies".
 - A Veera Viswanath, Asst Prof, & K Shirisha, Regd No: 22X51E0035 Published paper entitled "Cost Control Techniques".

- M Nagaraju, Asst Prof, & K Subramanyam, Regd No: 22X51E0040 Published paper entitled "A Project Report on Debtors Management".

FACULTY ATTENDED PROGRAMMES:

- The following faculty attended a One-week National level Virtual FDP on **AI in Education & Business** during **08.01.2024 to 12.01.2024** organized by Hindusthan College of Arts & Science, Coimbatore, Tamil Nadu
 - Dr. A. K. Neeraja Rani, HOD-MBA,
 - M Vijaya Lakshmi, Asst Prof
 - V Anitha, Asst Prof,
- The following faculty attended a **One-week Online Professional Development Programme on Methods of Data Collection and Analysis through SPSS & Using AI Technology for Research Writing** during **18.03.2024 to 26.03.2024** organized by Patrician College of Arts & Science College, Chennai.
 - Dr C Vindya Vasini, Assoc Prof,
 - N Vasudha, Asst Prof
- Dr. A. K. Neeraja Rani, attended
 - Online International Webinar on **Scratch Program Overview** on **25.04.2024** organized by Acumen Foundation & Seva Academy, Tamilnadu.
 - Online National Webinar on **Mutual Fund - A Pathway to Financial Growth and Prosperity**, organized in joint collaboration of Glocal School of Business & Commerce, Saharanpur and AMFT, on **14.06.2024**.

INTERNSHIPS:

- The following are the details of the Virtual Internships (10 weeks) completed by the II sem MBA students during Jan-Mar, 2024
 - 60 students on Business Analyst by Celonis.
 - 4 students on AI-ML by ASW Academy.
 - 1 student on Data Engineering by Celonis.
 - 4 students on Process Mining by Celonis.
 - 3 students on Cloud by ASW Academy.
 - 9 students on Android Developer by India Edu Program.
- The following are the details of the Virtual Internships (10 weeks) completed by the II sem MBA students during Apr-Jun, 2024
 - 3 students on Intelligent Automation by SS&C blueprism.
 - 1 student on Cyber security by Paloalto.
- Two students of II sem MBA completed 45 days Internships by the Brain-O-Vision Solutions Pvt. Ltd, Hyderabad.

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

PROGRAMMES CONDUCTED:

1. ONE WEEK CERTIFICATE PROGRAM ON "CHAT GPT PROMPT ENGINEERING" held in association with Brain-o-vision and ISTE student chapter from 29-04-2024 to 04-05-2024 trained by Sai Pavan Velidandla, CAIO, Senior Technical Director, Brainovision.



2. DEPARTMENT CLUB ACTIVITY titled: **Application Masters-2K24** in association with IEEE RAS student branch chapter Technical Activities- PPT Presentation, Code Buzs, Error Detection, Logic code Witing Non-Technical Activities- Dare to every one, Non-technical quiz, Punishment, Dumbsharas conducted on 13-04-2024



3. FACULTY DEVELOPMENT PROGRAMS AND WORKSHOPS:

- Mr. M. Imdad Ali, HOD has participated in the following FDPs:
 - A Seven Days FDP on **"Latest Trends And Techniques In Software Engineering"** held from 20th January organized by CHRIST (Deemed to be University), Bangalore.
 - Five Days FDP on **"Block Chain Technology"** from 3rd January organized by EXCELR Edtech PVT Ltd, Mumbai.
 - A Five Days FDP on **"New Horizons in Artificial Ingteelligence"** from 08th Jan. organized by Janson Institute of Technology, Coimbatore.
 - One Day Workshop on **"Chatgpt In Education: Shaping The Next Generation Of Scholars"** on 16th january by Edulearninghub, Chennai.

- Five Days National Faculty Development Program on **"Deep Learning and Artificial Intelligence"** held on 26th feb organized by **ExceLR Edtech PVT Ltd, Chennai.**

- Mrs. S.Shakila Banu, Asst Prof. participated Five Days National Faculty Development Program on **"Unlocking Industry Insights in Data Science"** held on 10-01-2024 to 15-01-2024 organized by **Madanapalle Institute of Technology and Science, Madanapalle.**

4. FACULTY ACHIEVEMENTS:

- Mr. M.Imdad Ali, HOD, qualified in APRCET 2023-24
- Mr. M. Imdad Ali, HOD, has achieved 100% Pass in Data Mangement Techniques for III B.Tech - I Sem CSEDS 2023 batch.
- Mrs. S. Shakila Banu, Asst Prof. has achieved 100% Pass in information Technology for Managers for I-I MBA.

5. STUDENTS' ACHIEVEMENTS:

- 116 students from II-I MCA have successfully Completed 10 weeks Internships on various topics during Jan - June 2024, Organized by AICTE AND EDUSKILLS

6. NPTEL COURSES DURING JAN- APRIL

- 6 have completed SWAYAM-NPTEL Course entitled **Cloud Computing**.
- The following faculties have done **"Cloud Computing"** course with **Elite, Elite Silver**

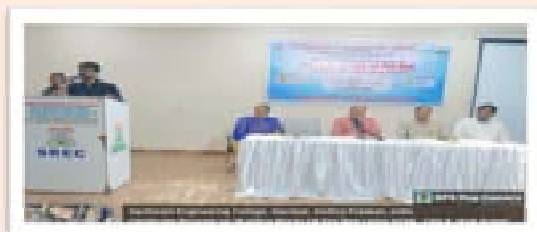
S.No	Name of the faculty	Distinction
1	S.Shakila Banu	Elite Silver
2	Mahesh Mitra	Elite
3	M.Imdad Ali	Elite

7. SUDENTS NPTEL COURSES:

- 42 students have successfully completed the **"Cloud Computing"** course in **SWAYAM NPTEL** during Jan - April, 2024 (12 Weeks Course).
- K. Harikrishna of I MCA has successfully completed the **"Cloud Computing"** course with **Elite Silver Certificate** in **SWAYAM NPTEL**.

10) ONE-WEEK CERTIFICATE PROGRAM ON

PROGRAM: on "Building Blocks of The Web Using HTML, CSS & JAVA Scripts" was organised from 22nd to 27th April, resourced by K.Obulaiah, BRAIN O VISION team, Hyd'bad.



11) ONE-WEEK CERTIFICATE PROGRAM ON

PROGRAM: on "Foundation of Front - End Development HTML Using, CSS & JAVA Scripts" was organised on 02.05.2024 to 08.05.2024 resourced by K.Obulaiah, BRAIN O VISION team, Hyderabad.



FDPs AND WORKSHOPS ATTENDED BY THE FACULTY:

- The following faculty attended FDP on A Five-days FDP on "Exploring Recent Trends in Applied Mathematics and Machine Learning" Organized by Koneru Lakshmaiah Educational Foundation, Bachupally Campus, Hyderabad from 20th May 2024 onwards.
 - **Dr.B.Haritha**, Assoc Prof.
 - **Dr.B.Seshaiah**, Assoc Prof.
 - **Dr.A.Sivakameswara Kumar**, Assoc Prof.
- The following faculty attended FDP on A Five-days FDP on "Advanced Materials Processing & Characterisation Methods" Organized by Gates Institute of Technology Anantapur from 26th February onwards.
 - **N.Rajasekhar Reddy**, Asst. Prof.
 - **Dr.B.Seshaiah**, Assoc Prof.
 - **Dr.A.Siva Kameswara Kumar**, Assoc Prof.
- The following faculty participated in FDP on "Advanced Materials Processing & Characterisation Methods" organized by Gates Institute of Technology Anantapur from 26th February onwards.
 - **N.Rajasekhar Reddy**, Asst. Prof.
 - **A.G.Venkateswarlu**, Asst Prof,
 - **S.Chand Basha**, Asst Prof,
 - **E.Lokesh**, Asst Prof,
 - **Dr.B.Eljabetthamma**, Assoc Prof.
- The following faculty attended FDP on A Five-days FDP on "Innovative Teaching and Learning

Pedagogy" organized by Research Foundation of India & RFI-CARE from 20th May onwards.

- **Dr.B.Eljabetthamma**, Assoc Prof,
 - **S.Chand Basha**, Asst Prof,
- N.Rajasekhar Reddy**, Asst. Prof.
 - A Five-days FDP on "LaTeX and SPSS" Organized by Indus Institute of Information and Communication Technology Indus University, Ahmedabad, Gujarat, from 10th June, 2024.
 - A Five-days FDP on "Recent Advances In Mathematical Modelling & Optimization" Organized by CSSR & SRRM Degree & PG College from 08th January 2024 onwards.
 - A Five-days FDP on "Advanced Research in Fluid Mechanics" Organized by Vellore Institute of Technology, Chennai from 01st April onwards.
 - A Five-day FDP on "Exploring Sustainable Horizons in Renewable Energy and Electric Vehicles" Organized by PSNA College of Engineering and Technology, Dindigul from 01st April onwards.
 - Dr.B.Eljabetthamma**, Assoc Prof,
 - A Five-days FDP on "Innovative Teaching and Learning Pedagogy" organized by Research Foundation of India & RFI-CARE from 20th May onwards.
 - A Seven-days FDP on "Practical Aspects of ICT Tools & Online Teaching In Current Scenario" Organized by World Innovators University, RFI-CARE. Held on 16.04.2024 to 24.04.2024,
 - the A Seven-days FDP on "PYTHON" Organized by Star International Foundation for Research and Education Held on 19.03.2024 to 25.03.2024.
 - P.Lavanya**, Asst Prof.
 - A Five-days FDP on "Business analytics & Emerging Technologies" Organized by Madanapalle Institute of Technology & Science from 18th March onwards.
 - A Five-days FDP on "Reforms and Innovation Higher Education" Organized by Coimbatore Institute Technology, Tamil Nadu. Held on 12th February onwards.

WORKSHOPS

- Dr.B.Eljabetthamma**, Assoc Prof, participated in the following:
 - Five day National Workshop on "Innovative Teaching Strategies and tools in the Digital Age" organized by CVM University, Gujarat. Held on 19.06.2024 to 23.06.2024.
 - One Day National Seminar on "Environmental Pollution and Sustainable Materials (EPSM-2024)" Organized by SVB Government Degree College, Koilkuntla. Held on 22.04.2024.
 - Two day Workshop on "Face Detection using open CV and AI" Organized by MRL Tech Solutions PVT LTD, Chennai. Held on 04.01.2024 to 05.01.2024.

9. **E.Lokesh**, Asst Prof, and **Dr.B.Eljabetthamma**, Assoc Prof, One day IP Awareness on "National Intellectual Property Awareness Mission" Organized by Intellectual Property Office, India. Held on 28.03.2024.
10. **Dr.B.Haritha**, Assoc Prof, and **K.Srilatha**, Asst Prof, participated in the following:
 - One day Workshop on "Differentiated Learning in Higher Education" Organized by Presidency University, Bengaluru. Held on 30.04.2024.
11. **Dr.B.Haritha**, Assoc Prof, participated in One day Webinar on "Implementation of NEP 2020 at HEIs- Pathways and Challenges" Organized by SR University, Warangal, India. Held on 29.02.2024.

COURSES THROUGH:

- **Dr.B.Eljabetthamma**: "Air Pollution and Control".
- **M.Ravichandra** : "Introduction to Internet of Things".

MOOCS & EDX

- **Dr.B.Haritha**, course "PH125.3x: Data Science: Probability".
- **N.Rajasekhar Reddy**, course "DavidsonX_D008 Excel for Beginners".
- **P.Lavanya**, has Successfully Completed 9 Moocs Courses Provided by Coursera during JAN - JUN, 2024.

FACULTY PUBLICATIONS:

Dr.S.Jeehan Basha, Asst Prof, Department of Chemistry published a paper titled "Phytochemical Analysis and In Vitro Biological Assessment of *Gyrocarpus americanus* for its Potential Effectiveness in Treating Alzheimer's Disease and Diabetes Mellitus Simultaneously" and was published *Advances in Bioresearch* Vol. 15, Page No. 08-17, 2024 ISSN: 2277-1573.

CONFERENCE PUBLICATIONS:

- **P.Lavanya**, Asst Prof, Department of English published a paper titled "Exploring the synergy of poetry appreciation and language acquisition: A STEM-centric perspective in modern education" and World poetry day-musings of great poets.
- **A.G.Venkateswarlu**, Asst Prof, Department of English published a paper titled "Exploring the synergy of poetry appreciation and language acquisition: A STEM-centric perspective in modern education" and World poetry day-musings of great poets.

PATENTS

- **Dr.B.Haritha** published a patent entitled "High-efficiency algorithms for simulating mhd interactions in multi-phase Newtonian and non-newtonian fluids" on 12.01.2024
- **Dr.B.Haritha** Grant a patent entitled "Mathematics Teaching Equipment For Visualizing Equations" on 18.04.2024.

WOMEN EMPOWERMENT CELL

WOMENS' DAY CELEBRATIONS:

To mark the legacy of women's role in this world annually International Women's Day is observed on 8th march. This event encourages girl students to mark their identity and realize their strength.



1 MBA student welcomed the Guest of the occasion by her graceful classical performance.



Women Recipients of Doctorate Degree were honoured and the chief guest Advocate Hrudaya Krishna was felicitated on this occasion.



An essay writing and drawing competitions were conducted to mark the importance of the day.

NSS UNIT

The NSS unit in college engages students in community service and social activities. It cultivates a sense of civic responsibility towards society. Development of Leadership skills and a sense of Social commitment is the main aim.

1. Awareness Program on Registration and Casting of Vote: was organized on 9th January, 2024 in association with EENADU and ETV marking the importance of democratic rule of the nation.



2. 14th NATIONAL VOTERS DAY - 2024: was celebrated on 25th January with the motto of **"Nothing Like Voting, I Vote For Sure"** to encourage the youth to participate in the vote in the electoral process.



3. Blood Donation Camp was organized on 23rd February 2024 to encourage social responsibility and service mindset.



4. One Day program on Mera Pehla Vote- Desh Ke Liye (My First Vote for the Nation) was organized on 5th March, 2024 in Rasulla Peta (V), Panyam(M) to spread awareness on nation building through proper rule.



5. International Day of Yoga-2024 was organized on 21st June, 2024 to encourage students inculcate healthy life style.



News clip on the program held.

SPORTS & GAMES

THROWBALL TOURNAMENT was organised on 11th January 2024 on eve of National Youth Day Celebration at SREC ground.



THROWBALL TOURNAMENT was conducted on 26th January 2024 at SREC ground.



THROWBALL CHAMPIONSHIP

Students from SREC participated in "8th AP State Senior Throw Ball Championship - Men & Women 2023-24" organised by Ananthapuramu District Throwball Association on 27th and 28th Jan 2024.



FOOTBALL TEAM participated in Foot Ball event held as part of "Vignan Mahotsav 2024", organised by Vignan's Foundation for Science, Technology and Research, Guntur, A.P held from 1st to 3rd February 2024.



GAMES MEET SMS - 2K24: A Two-Day Mega Games

Meet **SANTHIRAM MAHA SANGRAM (SMS)-2K24** on 22nd & 23rd March 2024. Total 309 students from all branches have participated in 4 games Cricket and Kabaddi for Men, Cricket and Throw Ball for Women.



CHESS & CARROMS COMPETITION was held on 15th April 2024, hosting a total of 35 members & 3 batches for Carroms from many engineering colleges.



BADMINTON CHAMPIONSHIP Mr.N. Sandeep Kumar from ECE won **2nd Prize** in "U/19 Boys Doubles Kri Dist. Badminton Championship" on 30/06/24 organised by **Nandi Group of Companies** at Badminton Academy, Bommala Satram, Nandyal.



ARTS & CULTURAL

ARTS AND CULTURAL EVENTS

Cultural activities in college play a vital role in improving creativity, enhancing social skills, and promoting a sense of community among students. They provide a platform for self-expression to develop a well-rounded personality by encouraging participation in arts, music, dance, drama, and other cultural events and also instil values of teamwork, leadership, and time management which promotes professional development. Moreover, engaging in cultural activities helps in reducing stress and improving mental health, contributing to a more vibrant and inclusive campus environment.

Sankranti Celebrations:

Sankranti celebrations in college bring vibrant festivities, traditional rituals, and a sense of togetherness among students and staff. This harvest festival is marked by colorful decorations, cultural performances, and communal feasts, highlighting the rich cultural heritage and fostering unity within the campus community.

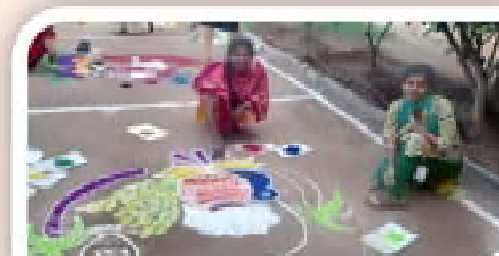
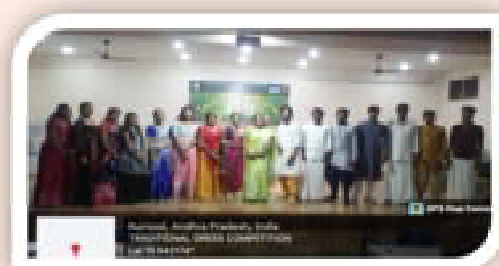


The ritual of Bhogi Mantalu which involves burning old items, signifying the destruction of negative energies and the renewal of life with positivity and hope, is being observed by everyone.



Kite flying being observed on Sankranti as a traditional practice symbolizing freedom, joy, and the spirit of celebration.

Cultural competitions like Traditional Dress, Rangoli Making and dancing were conducted on this occasion.



Prize winners of all events.

Training and Placement

DRIVES HELD AND SELECTIONS:



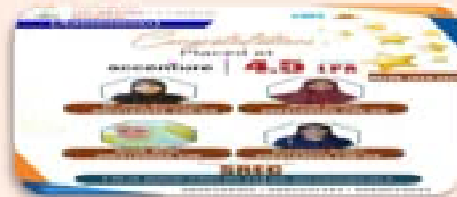
SEYONE E HWA, Conducted OFF Campus recruitment Drive on 04th April of which 35 Students got selected with 2.6 lakhs package.



OPTUM Conducted OFF Campus recruitment Drive for MBA on 02nd July, 4 Students were placed with 3.00 LPA



24/7 AI Conducted ON Campus recruitment Drive on 11th March, and 06 students achieved placement with 2.90 LPA.



ACCENTURE Conducted OFF Campus recruitment Drive For B.Tech on 12th April selecting 4 students with 4.50 LPA.



SUTHERLAND Conducted on Campus recruitment Drive on 08.03.2024 and 07 Students got placement with 3.00 LPA



QUALITY KIOSK Conducted ON Campus recruitment Drive For B.Tech on 12th April, 2 placed with 4.00 LPA.



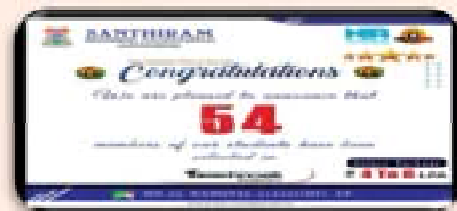
TECHMAHINDRA Conducted OFF Campus recruitment Drive for on 21.02.2024 and 02 students were placed with 3.25 LPA .



RINEX Conducted ON Campus recruitment Drive For B.Tech on 06th March and 15 Students were placed with 5.2 LPA.



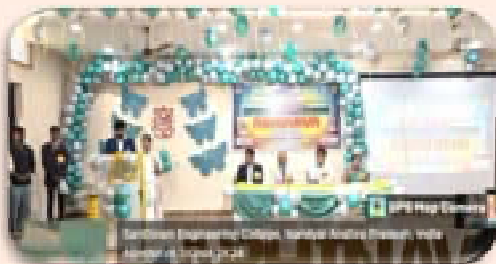
SUZLON POWER selected 2 students with 3.00 LPA



TEACHNOOK Conducted ON Campus recruitment and selected 54 Students with 4.00 LPA package.

ABHINAVA SIGMA 2K24

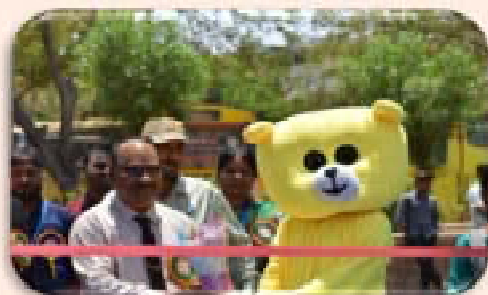
A national Level Technical symposium entitled ABHINAVA SIGMA 2K24 was organised on 15th and 16th April, 2024, attracting a diverse array of students from across the region. The event featured a series of workshops, seminars, and cultural competitions, showcasing an environment of innovation and collaboration. Participants showcased their technical competence and their overwhelming response and enthusiastic participation underscored the event's success, marking it as a significant milestone towards academic excellence and industry readiness.



INAUGURAL EVENT



CULTURAL EVENT TRADITIONAL DRESS



INAUGURAL OF BUSINESS KIOSKS BY STUDENTS



KIOSKS SET BY STUDENTS A TWO-DAY BSS STRATEGY



QUIZ COMPETITION



TRENDY HENNA COMPETITION



WINNERS OF VARIOUS TECHNICAL EVENTS



FLASH MOB PERFORMANCE BY STUDENTS

SANTHIRAM MAHA SANGRAM (SMS) 2K24

Santhiram Engineering College recently held its annual intra-college sports meet on 2nd and 3rd, promoting a spirit of healthy competition and camaraderie among students. The event featured a variety of sports, promoting physical fitness and teamwork. Such initiatives have encouraged holistic development among students to excel both academically and athletically.



MARKING THE BEGINNING BY FLAG HOISTING



CSE WON WOMEN'S CRICKET AND THROW BALL



DELEGATES HONOURED BY THE TEAMS



ECE WON MEN'S KABBADI MATCH



TROPHY WON BY CSE DZ TEAM FOR BEST MARCH PAST



MBA WON MEN'S CRICKET CHAMPIONSHIP



TEAMS REPRESENTING RESPECTIVE BRANCHES



TEAMS ON FIELD

NEW LABORATORY AND EXAM SECTION INAUGURAL

The institution has inaugurated a new state-of-the-art lab and exam section, enhancing academic resources and providing students with advanced facilities for hands-on learning and secure examination processes.



Honourable Chairman Dr. M. Santhiramudu Garu observing the rituals at the new Exam section.



A formal talk over the functioning and the opportunities in the new Lab for Data Science Dept. with the students.



Principal along with Chairman offering prayers to almighty for unhindered operations.



New lab started officially to operate its functions.



A formal talk over the proceedings



Core team of SREC with the chairman.



ప్రగతి పథంలో శాంతిరాజ్ విద్యార్థులు.



ಅಭ್ಯಾಸ ಪ್ರತಿಭೆ ಕಲಿಸುವವರೇ ಬಾಲ್ಯಶಿಕ್ಷಣ

శాంతిరాంత్ జాతీయ సాంస్కృతిక పరమస్థి అధిగమ సెగ్మెంట్ 24 ప్రారంభం

[illegible]

ఇటీవలకు స్త్రీస్వయంశ్రీ ద్వారా
పల్లభించిన ఈ మరయేనా రవాణలు అందరినీ

[illegible]

ప్రగతి పథంలో
కాంటిరామ్ ఏర్పాట్లు

1. *Chlorophyll a* and *b* are the two main pigments in green plants. They are responsible for the green color of leaves. *Chlorophyll a* is the primary pigment, and *Chlorophyll b* is an accessory pigment. They both absorb light energy and transfer it to the reaction center of photosynthesis.

పూర్వ విద్యార్థుల సమావేశం అవ్వార్లు...



STAFF: Editor, Bill Gorman; Managing Editor, Bob Hume; Advertising Manager, John J. O'Connell; Circulation Manager, Mary E. Connelley; Business Manager, James J. Connelley; Publisher, James J. Connelley.

Year	U.S. should take action (%)	U.S. should not take action (%)
2000	65	35
2004	70	30
2008	75	25
2012	80	20
2016	85	15
2020	88	12

తనవంతు తోడ్పాటు అందించాలి

[illegible]

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