



SPARKS

Spectacular Performance And Rapid Knowledge of SREC

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SANTHIRAM ENGINEERING COLLEGE :: NANDYAL (AUTONOMOUS)

Approved by A.I.C.T.E., New Delhi, Permanently Affiliated to JNT University,
Ananthapuramu

Accredited by NAAC with Grade-A, Accredited by NBA (ECE & CSE)

An ISO 9001:2015 Certified Institution, 2(f) & 12(B) recognition by UGC Act, 1956
NH-40, NANDYAL-518501 (Dist), A.P.

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NEWSLETTER

HIGHLIGHTS OF THE ISSUE:

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Message from the Desk of the Chairman



It gives me great pleasure to introduce our college newsletter, a platform that aims to foster a sense of community and keep everyone updated on the latest happenings within our college. However, an excellent education is not solely defined by academics.

We are equally committed to foster a nurturing and inclusive environment that celebrates diversity, promotes ethical values, and encourages personal development. Our campus is a vibrant melting pot of cultures, ideas, and perspectives, and it is through this diversity that we learn, grow, and become better global citizens.

Finally, I want to extend my heartfelt appreciation to all our students, faculty, and staff for their relentless pursuit of excellence. It is our passion, curiosity, and dedication that make our engineering college a centre of academic brilliance.

Wishing you all a productive and fulfilling year ahead!

Message from the Desk of the MD



As the Managing Director of our esteemed engineering college, I am thrilled to introduce the latest addition to our communication channels: the college newsletter.

This newsletter is designed to showcase the remarkable talent, research, and events taking place within our institution, while also fostering a sense of unity and pride among our students, faculty, and staff.

Our engineering college has always been committed to providing a holistic educational experience, where academic excellence is complemented by a vibrant campus life. Let us use this platform to celebrate our collective successes, share our knowledge and experiences, and build a stronger, more connected community.

I extend my best wishes to all our students, faculty, and staff for a successful academic year ahead.

Message from the Desk of the Principal



It is a matter of pleasure to speak with all of you through this newsletter. I look forward to witnessing the growth of this newsletter and the many inspiring stories it will bring to light. Our engineering college has always been at the forefront of innovation, nurturing brilliant minds

and empowering them to shape the future. It is through the combined efforts of our dedicated faculty, talented students, and supportive staff that we have achieved remarkable milestones.

I would like to express my sincere appreciation to the dedicated team behind the creation of this newsletter. Their tireless efforts and commitment to excellence have resulted in a publication that truly reflects the spirit of our engineering college. Read it, share it, and provide feedback. Let us use this platform to celebrate our collective successes, share our knowledge and experiences, and build a stronger, more connected community.

VISION

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

MISSION

- To provide Advance 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 program 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:

S.NO	PROGRAMMES	INTAKE
1	Electrical and Electronics Engineering	30
2	Electronics and Communication Engineering	120
3	Computer Science and Engineering	210
4	Computer Science and Engineering-Data Science	120
5	Computer Science AI and ML	60
6	VLSI System Design (M.Tech)	18
7	Master of Business Administration	120
8	Master of Computer Application	120

Editor in Chief : Dr.M.V.Subramanyam, Principal

Editor : Dr.A.K.Neeraja Rani, HOD-MBA

Assoc Editor : Mrs.K.Srilatha, Asst Prof, Dept of English

Technical Assistance: Mrs.R.Sujatha (EEE), Mr.P.Nagaraju (ME)

Mrs.S.Jayamangala (ECE), Mr.M.Amareswara Kumar (CSE)

Ms.R.Ramadevi (BS), Mr.S.Chand Basha (BS)

COMPUTER SCIENCE AND ENGINEERING

The Department of CSE did undergo a thorough verification of its activities and performance by NAAC and expressed their satisfaction duly awarding NBA Accreditation for the next three Academic years i.e. 2023-2026.

NEW FACULTY:

Mrs. Sumathi has joined the family of SREC as an Asst Professor in the department of CSE

PROGRAMMS CONDUCTED BY THE DEPT:

1) Certification Program on Full Stack Development Using Python:



Certification Program on Full Stack Development Using Python was conducted from 08-02-2023 to 15-02-2023 in association with Triad Techno services and IEEE Student Chapter STB-17901 for IV-B.Tech CSE Students. Mr.Maddi Bhanuchandar, Managing Director of Triad Techno services acted as a resource person for this program

2) Ten-Day Certification Program on Enhancement of QUANT, Reasoning & Soft Skills;



A Ten- Days Certification program on Enhancement of QUANT, Reasoning & Soft Skills conducted from 20-02-2023 to 28-02-2023 in Association with Talent Shine, CSI, IE for third year students. Mr Venu, Mr Vijay, Mr Ram, Mr Kiran and Mr Posubabu from Talent Shine enlightened the program as resource persons for this program.

3) Paper Presentation Competition @ SIGMA-2K23:



A Paper Presentation Competition @ SIGMA-2K23 was carried out on 03.03.2023 in association with Student Chapter Io 1342. The Paper Presentation event hosted a total of 35 teams from various engineering colleges, with an emphasis on the field of Computer Science & Engineering.

4) Technical Quiz @ SIGMA-2K23:



Technical Quiz @ SIGMA- conducted on 03.03.2023 with participation of 72 Students (24 teams) from various Engineering Colleges.

5) Code-A-Thon @ SIGMA-2K23:



A Code-A-Thon contest @ SIGMA-2K23 was conducted on 03.03.2023 with active participation of 34 Students.

6) One Week Training Program on Enhancement of Technical Coding Skills;



A One Week Training program on "Enhancement of Technical Coding Skills" was conducted from 14-03-2023 to 20-03-2023 in Association with Industry partner Logik Works, CSI, IE, IIC, IEEE, ISTE, IETE. Mr Prince, Mr Jackson and Mr Siddarth from Logik Works facilitated the program as resource persons

7) Seminar on "Recent Trends and Career Opportunities in Robotics":



A seminar on "Recent Trends and Career Opportunities in Robotics" in association with IEEE RAS Student branch chapter on 25-3-2023. Dr. Sudharsan Jayabalan Chair IEEE

Robotics and Automation Society IEEE Hyderabad Section facilitated the program as a resource.

8) Industrial Visit:



Students of second year CSE visited Prudwi.com – Online E-commerce Solutions, Nandyal on 10-02-2023 and the visit greatly helped the students to stimulate their thought process

FACULTY FDP'S:

- Mrs.M.Sharmila Devi, Assistant Professor Department of CSE,SREC participated in One Week online Faculty Development Program on Machine Learning in Big Data Analytics, Principles, Techniques and Challenges from 13-02-2023 to 18-02-2023 that was held at Narsimha Reddy Engineering College, Secunderabad.

- Following are the faculty members participated in Five days online Faculty Development Program on Ethical Hacking organized by KKR & KSR Institute of Technology & Sciences, Guntur from 27-02-2023 to 03-03-2023.

- Mrs.V.LakshmiChaitanya ,Assistant Professor Department of CSE,SREC
- Mrs.M.Sharmila Devi, Assistant Professor Department of CSE,SREC
- Mrs.B.Swarajya Lakshmi, Assistant Professor Department of CSE,SREC

- Mr.B.Sekhar, Assistant Professor Department of CSE, SREC participated in Faculty Development Program on "Enterprise Artificial Intelligence" from 28-02-2023 to 04-03-2023 that was held at JNTUA, Anathapuramu.

- Mrs.B.Swarajya Lakshmi, Assistant Professor Department of CSE,SREC participated in Faculty Development Program on Data Science and it's Applications from 24-04-2023 to 28-04-2023, held at G.Pulla Reddy Engineering College, kurnool

FACULTY JOURNALS:

- The following faculty members published a technical paper in International Journal Of Science, Engineering And Technology, Volume 11, Issue 02, March 2023 with ISSN 2395-4752.

- Mr.P. Bhaskar, Asst.Prof published technical paper titled "Detecting Web Attacks With End-To-End Deep Learning"
- Mrs.V. Lakshmi Chaitanya , Asst.Prof had his title "Plagiarism Detection Process Using AI" published
- Mrs.N.Ramadevi , Assoc.Prof got the title "Blockchain Based E-Commerce Online Application" published.

- Following Faculty members published technical papers in International Journal Of Scientific Research And Engineering Development, Volume 06 ,Issue 02, April 2023 with ISSN 2581-7175.

- Mrs.N.Ramadevi , Assoc.Prof published technical paper titled "Identifying Brain Tumor Using X-Ray Images With Deep Learning"
- Mr.P.Subba Rao, Asst. Prof published technical paper titled "A Data Analytical Approach To Cyber Crime Underground Economy"
- Mr. J. David Sukeerthi Kumar, Asso. Prof published a technical paper titled "Sequence Classification Of Credit Card Fraud Detection"

- Following Faculty members published a technical paper in International Research Journal Of Modernization In Engineering Technology And Science, Volume 05 ,Issue 04, April 2023 with ISSN 2582-5208.

- Dr.Farooq Sunar Mahammad , Prof published a technical paper titled "Banking Sector Blockchain Deployment To Increase Scalability"
- Mr. M. Amareswara Kumar, Asst.Prof published a technical paper titled "Building Search Engine Using Machine Learning Techniques"
- Mr.K.V. Saiphani , Asst.Prof published a technical paper titled "Scheduling Tasks In Cloud Using Machine Learning Techniques"
- Mr.S. Nagendruda , Asst.Prof published a technical paper titled "Machine Learning – Based Fall Detection For Senior Citizens"

- The following are the faculty members who had their technical papers published in International Journal Of Research Publication And Reviews, Volume 04 ,Issue 04, April 2023 with ISSN 2582-7421.

- Mr. M. Amareswara Kumar , Asst.Prof published a technical paper titled "An Attempt At Detecting Fake Profiles Using Neural Networks".
- Dr.Farooq Sunar Mahammad , Prof published a technical paper titled "Dapp (Decentralized Application) Development And Evaluation For Safe Student Credential Sharing On The Blockchain"
- Mrs.B. Swarajya Lakshmi, Asst. Prof, published a technical paper titled "Detecting Android Malware With An Enhanced Genetic Algorithm For Feature Selection And Machine Learning"
- Mrs. Sharmila Devi , Asst. Prof., published a technical paper titled "Extracting And Analyzing Features In Natural Language Processing For Deep Learning With English Language"
- Mr. S. Md. Riyaz Naik , Asst. Prof., published a technical paper titled "Image-Based Recipe Creation Through Reverse Cooking"

- The following are the faculty members who had their technical papers published in International Journal Of Scientific Research & Engineering Trends, Volume 09 ,Issue 02, April 2023 with ISSN 2395-566x

- Mr.G. Kiran Kumar, Asst. Prof., published technical paper with a title "Data Privacy Using Block Chain and Ai"
- Mrs.V. Lakshmi Chaitanya , Asst.Prof published with a title "Experimental Investigation Of Machine Learning Techniques For Predicting Software Quality"
- Mr.B.Sekhar, Asst.Prof., published a technical paper titled "Spammer Detection And Fake User Identification On Social Networks"

- The following are the faculty members who had their technical papers published in International Journal Of Progressive Research In Engineering Management And Science, Volume 03, Issue 04, April 2023 with ISSN 2583-1062

- Dr. Farooq Sunar Mahammad, Prof published a technical paper titled "Alzheimer's Disease Prediction Using Machine Learning Algorithms".
- Mr. S. Md. Riyaz Naik, Asst. Prof., published a technical paper titled "False Image Detection In Social Media By Using Cnn - Deep Learning Algorithm".
- Mr. J. David Sukeerthi Kumar, Asso. Prof published a technical paper titled "Automating Reviews For E-Government Services With Artificial Intelligence".
- Mr. P. Bhaskar, Asst. Prof., published a technical paper titled "Driver Drowsiness Visual Behaviour And Machine Learning Monitoring System".

- The following are the faculty members who had their technical papers published in International Journal Of Advances In Engineering And Management, Volume 05, Issue 04, April 2023 with ISSN 2395-5252

- Mr. P. Subba Rao, Asst. Prof published a technical paper titled "Use Of Vgg19 To Identify Abusive Twitter Bots".

FACULTY CONFERENCES:

The following are the faculty members who attended an International Conference on Emerging Trends in Electronics and Communication Engineering -2023 on 15th & 17th April-2023 organized by Department of ECE, RGM CET, Nandyal.

- Mr. P. Bhaskar, Asst. Prof., published technical paper titled "Incorporating Deep Learning Techniques To Estimate The Damage Of Cars During The Accidents".
- Dr. Farooq Sunar Mahammad, Prof published technical paper titled "Key Distribution Scheme For Preventing Key Reinstallation Attack In Wireless Networks".
- Mr. M. Amareswara Kumar, Asst. Prof published technical paper titled "Baby Care Warning System Based On Iot And Gsm To Prevent Leaving A Child In A Parked Car".
- Dr. Farooq Sunar Mahammad, Prof published technical paper titled "Detecting Social Distancing By Using Detectron2 And Opencv".
- Mr. P. Subba Rao, Asst. Prof published technical paper titled "Detecting Malicious Twitter Bots Using Machine Learning".
- Mrs. V. Lakshmi Chaitanya, Asst. Prof published technical paper titled "Identification Of Traffic Sign Boards And Voice Assistance System For Driving".
- Mrs. Sharmila Devi, Asst. Prof., published technical paper titled "Rainfall Prediction Using Machine Learning".
- Mr. G. Kiran Kumar, Asst. Prof., published technical paper titled "Fake Review Detection Using Machine Learning".

STUDENT ACHIEVEMENTS:

- S. NIKITHA (19X51A05C3) and G. HARSHA VARDHA (19X51A0576) presented a paper titled "Arduino based smart street light system with accident avoidance in U turns" in National level Tech Fest which is held at SVR ENGINEERING COLLEGE, Nandyal on 17-3-2023.

- The Following are the Students who presented papers in RIPPLE-2k23, conducted by RGM CET, Nandyal on 17-3-2023 & 18-3-2023.

- A. VIDHYA SREE (21X51A0503) on Artificial Intelligence.
- N. NAGA SUDHEER (19X51A0599) on Black Material back order prediction in inventory management using ML.
- M. DEEPTHI (19X51A0538) and G. SAI LIKITHA (19X51A0524) on Machine Learning.
- M. PUJITHA (19X51A0533) and S. PRANAVI (19X51A0557) on Blue Eyes Technology.
- B. RAMANI (19X51A0507) on Smart Eye Technology.
- S. ALTHAF (20X51A05A7) on Machine Learning (Food Waste Prevention Using Machine Learning).
- S. NIKHITHA (19X51A05C3) on Arduino Based Smart Street Light System With Accident Avoidance In U Turns.

- The Following Students secured prizes in SIGMA-2K23, grandly organized by Santhiram Engineering College, Nandyal on 03-3-2023 & 04-3-2023.

- B. SAI KUMAR REDDY (20X51A0569) and B. SREENIVASULU (20X51A0566) and S. NANDA KISHORE (20X51A05A4) were secured **first prize in Technical quiz**.
- MEDA SHABARISH (19X51A0594) and G. DURGA GNANESWAR (19X51A0579) were secured **First Prize in Paper presentation**.
- M. BHAVANA (20X51A0536) were secured **First Prize in Singing**.
- P. HEMANTH KUMAR (21X51A0589) and M. PRASANTH (21X51A0585) and N. SAI DINESH (21X51A0585) and R. S. VENKATESH (21X51A0593) and M. ANIL KUMAR (21X51A0575) and S. SAJID (21X51A05A6) were secured **First prize in Short Film Competition**.
- B. KAVYA (21X51A0513) and G. LUDIYA RANI (21X51A0534) and A. SUJITHA (21X51A0504) were secured **second prize in Short Film Competition**.
- G. SHARANYA (21X51A0532) and K. JAHNAVI (21X51A0542) were secured **second prize in Makeover Competition**.
- S. SAMARA SIMHA (21X55A0511) secured **First Prize in Photography Contest**.
- S. SHAREEF (20X51A05B2) and G. PRAVEEN (20X51A0578) and G. CHANDRA SEKHAR (20X51A0576) secured **Second Prize in Dance Competition**.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROGRAMS ORGANISED:

1) A HANDS-ON EXPERIENCE PROGRAM ON IOT AND ITS APPLICATIONS:

A hands-on experience program on IoT and its Applications" was conducted by the Department of ECE from the 16th to the 21st of January 2023, with the assistance of Mr. JACKSON, Technical Trainer and Developer, as a resource person.



2) A SHORT TERM TRAINING PROGRAM ON DEEP LEARNING:

A one week short term training program on Deep Learning was organized by the Department of ECE from 06-02-2023 to 11-02-2023, with the support of Mr. JACKSON, Technical Trainer and Developer, as a resource person.



3) SIGMA-2K23 TECHNICAL SYMPOSIUM:

A flag ship program was structured by the department named SIGMA-2K23, A Student Technical Symposium from 03-03-2023 to 04-03-2023.



4) A ONE DAY PROJECT EXPO COMPETITION:

Ms. V. Nagamani initiated and organized a one day project expo for 28 students during SIGMA 2K23 on 3rd March, 2023, an event held by the Department of ECE.



5. SHORT TERM TRAINING PROGRAM ON ROBOTICS:

The Dept of ECE planned and executed a "One Week Short Term Training Program on ROBOTICS" from 13-03-2023 to 18-03-2023, cooperation of Mr. JACKSON, Technical Trainer and Developer, as a Resource Person.



6) ADD-ON PROGRAM:

Department of ECE held a one-week add-on program on "Digital Circuits Simulation Using LOGISIM" from March 27th to April 3rd, 2023, with the patronage of Dr. Y Mallikarjuna Rao, Dr. Shivanth, and Mr.N.Srinivasa Rao as resource persons.



7) CERTIFICATE PROGRAM:

The Department of ECE held a one-week certificate program on "AWS-CLOUD Computing" from 17th April to 21st April, 2023, with the patronage of Dr. M.SuryaBhupal Rao, CVREC, HYD as resource persons.

8) INDUSTRY-TRAINING PROGRAM:

Mr. S. RAMBABU and Mr. S. Girish Babu, from the department of ECE, initiated a One-Week Industrial Training Event "On Design and Verification of Digital Circuits Using VERILOG/VHDL" during 17th April to 21st April, 2023,

9) DEPARTMENT ACHIEVEMENTS:

The Department of ECE did undergo a thorough verification of its activities and performance by NAAC and expressed their satisfaction duly awarding NBA Accreditation for the next three Academic years i.e. 2023-2026

**FACULTY ACHIEVEMENTS:**

- Dr.Y.Mallikarjuna Rao, Professor, bagged **The Best paper Award** from Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad on **20-05-2023**.
- Dr. Y. Mallikarjuna Rao, Professor has qualified GATE-2023.
- Mr. S. Girish Babu has enrolled and got admission for PhD in Vignana University, Guntur.

FACULTY ATTENDED PROGRAMS:

1. Dr. Y. Mallikarjuna Rao, professor, participated in a One-day faculty development programme on **"Generating Research: Tools and Techniques"** SantHIRAM Engineering College, Nandyal, IQAC & Dean of Faculty Affairs, in association with IIC on jun 23, 2023
2. Mr.K.Vinod Kumar, Asst Prof, attended a One Week Faculty Development Program on **Data Science and Chat GPT**, during 15th-19th May 2023, organized by KL University.
3. Mr.K.Vinod Kumar, Asst Prof, attended a One Week Faculty Development Program on **Data Science and its Engineering Applications**, during 22nd-26th May 2023, organized by Hindusthan College of Engineering and Technology, Coimbatore.
4. Ms.B. Alekya Himabindu, Asst Prof, attended a One Week Faculty Development Programme on **"Blockchain Technology"**, during 27thMarch -02ndApril2023, organized by Make skilled, Hyderabad.
5. Ms.B. Alekya Himabindu, Asst Prof, attended a One day awareness/training Program on **"National Intellectual Property Awareness Mission"**, during 11th January2023, organized by NIPAM.
6. Dr.G.Sowmya, Associate Prof, attended a Five day Online National Level Faculty Development Program on **"Recent Advancements in Sustainable Energy Storage & Conversion"**, during 23 January2023 to 27 January 2023, organized by G.Pulla Reddy Engineering College, Kurnool.
7. Dr.G.Sowmya, Mr. M. Mahesh Kumar Ms. V. Nagamani, Ms.S. Jayamangala, Associate Professors attended a Two day Seminar on **"Quality Sustenance Initiatives with digital Transformation and its impact on Higher Educational Institutions in Light of National Education Policy-2020"**, on 21st January 2023 Organized by SantHIRAM Engineering College, Nandyal.
8. Ms. N. Jyothsna, Asst Prof, attended a One month **Master class on Embedded systems** from 27thMarch to 27th April 2023, Organized by Panteche-learning Pvt. Ltd, Chennai.
9. Mr.K. Vinod Kumar, Asst Prof, attended a Faculty Development Program-NPTEL on **Internet of things**, during 02nd Feb-20th April 2023, organized by IIT Kharagpur.

10. During the period of January through April 2023, Mr.M. Mahesh Kumar, Assistant Professor, engaged in a Faculty Development Program-NPTEL on **Internet of Things**.
11. Mr.S. Feroz Shah Ahmed, Asst Prof, was certified with NPTEL-FDP on **Optical Wireless Communications for beyond 5 G Networks and IoT**, during Jan-April 2023.
12. Mr. S. Munawwar, an assistant professor, embarked in the NPTEL Faculty Development Programme on **Introduction to Machine Learning** from January to April 2023.
13. P. Surendra Babu, Asst. Professor had taken part with the Department of ECE at GMR Institute of Technology to organise a One Week Online Faculty Development Programme on **Design of High-frequency Antennas for Real-time Applications (DHARA-2023)**, that took place from March 14 to March 18, 2023.
14. Dr. G. Sowmya, Associate Professor, Ms. B. Alekya Himabindu, Ms. V. Nagamani, Ms.N.Jyothsna, Mr. S. Girish Babu, Mr.S.Rangaswamy, Mr.K.Pedda Obulesu, Mr.S.FerozShah Ahmed, Mr.K.Vinod Kumar, Mr. N. Sreenivasa Rao Assistant professors attended a One-day Faculty Development Programme on **"Generating Research: Tools and Techniques"**, on 23rd Jun, 2023, hosted by SantHIRAM Engineering College, Nandyal, in association with IIC, IQAC and Dean of Faculty Affairs, organised the event.

FACULTY PATENTS:

1. Dr.M.V.Subramanyam published **"IoT Based Farm Protection From Animals and Human Theft Using ESP32 with Camera Module"** in May 2023.
2. Dr.Sowmya Galli's **"Design and Implementation of Automatic Agricultural Robot-AgriBot"** was published in May 2023.
3. Mr.N.Sreenivasa Rao published **"Development of an LPG Monitoring and Automatic Cylinder Booking System Based on Wireless Sensor Network"** in May 2023.
4. Mrs.V.Nagamani published **"IoT Based Smart Fish Farming Aquaculture Monitoring System"** in May 2023.

FACULTY PUBLICATIONS:

1. Dr.Y.Mallikarjuna Rao, published a paper entitled **"Efficient Feature Extraction for Recognition of Human Emotions through Facial Expressions Using Image Processing Algorithms"** in the Journal of E3S Web of Conferences 391, 01184 (2023), ICMED-ICMPC 2023, Vol. 391, Issue No. 02, Page No.2267-1242, (ISSN 102-108), June 2023.
2. Dr.Y.Mallikarjuna Rao, published a paper entitled **"Improving the Accuracy in Lung Cancer Detection Using NN Classifier"** in the Journal of E3S Web of Conferences 391, 01184 (2023), ICMED-ICMPC 2023, Vol. 391, Issue No. 02, Page No.2267-1242, (ISSN 102-108), June 2023.
3. Dr.Y.Mallikarjuna Rao, published a paper entitled **"Performance analysis of 4-bit ternary adder and multiplier using CNTFET for high speed arithmetic circuits"** in the Journal of E3S Web of Conferences 391, 01184 (2023), ICMED-ICMPC 2023, Vol. 391, Issue No. 02, Page No.2267-1242, (ISSN 102-108), June 2023.
4. Dr.Y.Mallikarjuna Rao, published a paper entitled **"Performance analysis of Ternary Adder and Ternary Multiplier without using Encoders and Decoders"** in the Journal of E3S Web of Conferences 391, 01184 (2023), ICMED-ICMPC 2023, Vol. 391, Issue No. 02, Page No.2267-1242, (ISSN 102-108), June 2023.
5. Dr.Y.Mallikarjuna Rao, published a paper entitled **"Performance evaluation of SRAM design using different"**

- field effect transistors" in the Journal of E3S Web of Conferences 391, 01184 (2023), ICMED-ICMPC 2023, Vol. 391, Issue No. 02, Page No.2267-1242, (ISSN 102-108), June 2023.
6. Dr.Y.Mallikarjuna Rao, published a paper entitled "Adaptive leaf abnormality segmentation and improved plant disease classification by tuned long short-term memory with recurrent neural network" in the Journal of Concurrency and Computation: Practice and Experience Wiley online library, Page No.1-34, (ISSN1532-0634), June 2023.
 7. Dr.Sowmya Gali, published a paper entitled "Automatic Image Captioning System Using A Deep Learning Approach" in the Journal of Soft Computing, Vol. 27, Issue No. 16, (ISSN 1432-7643), May 2023.
 8. Dr.Sowmya Gali, published a paper entitled "Capacity trust assessment for multi-hop routing in wireless sensor networks" in the Journal of E3S Web of Conferences 391, 01184 (2023), ICMED-ICMPC 2023, Vol. 391, Issue No. 02, Page No.2267-1242, (ISSN 102-108), June 2023.
 9. Dr.Shivnath choudari, published a paper entitled "A novel data driven technique to produce multisensory virtual Responses for gas sensor array based electronic noses" in the Journal of Electrical Engineering, Vol. 74, Issue No. 02, Page No.1335-3632, (ISSN 102-108), May 2023.
 10. Dr.Shivnath choudari published a paper entitled "An IoT-Enabled E-Nose for Remote Detection and Monitoring of Airborne Pollution Hazards Using LoRa Network Protocol" in the Journal of Sensors, Vol. 23, Issue No. 10, Page No.1-18, (ISSN 1424-8220), March 2023.
 11. Dr.Shivnath choudari published a paper entitled "Spatial Upscaling-Based Algorithm for Detection and Estimation of Hazardous Gases" in the Journal of IEEE access, Vol. 11, Page No.17731-17738, (ISSN 2169-3536), March 2023.
 12. Mr.S.Munawwar, published a paper entitled "Medical Image fusion based on Multi-scale Decomposition using hybrid deep learning network model" in the Journal of Soft Computing, Vol. 27, Issue No. 16, (ISSN 1432-7643), May 2023.
 13. Dr.Sowmya Gali, published a paper entitled "Information Technology for cyber security" in the Journal of Cosmas Scientific Publications, Vol., Issue No. , (ISSN 978-81-963112-7-8), May 2023.

STUDENT JOURNALS/CONFERENCES:

1. B. Surendra, K. Govardhan, A.Madhava Reddy, B. Mallikarjuna, P.Sayyed Basha, Dr. Y. Mallikarjuna Rao, together published a paper entitled " An IoT Based Smart Efuel Station Using Esp32 " in the International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
2. S. Ganesh goud, K. Jaya chandra, K. Azurhussain, S. Prasanna kumar Dr. S. N.Chaudhri, together published a paper entitled " Smart home applications by using electricity dispatch " in the International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
3. K. Sai raga apekshitha, T. Tejasree, D. Divya, K. Naga prabhavathi, S.Sumedha, Dr.G.sowmya, together published a paper entitled " Design and Implementation of Automatic Agricultural Robot – Agrobot " in the International Journal of Research Publication and Reviews (IJRPR), Vol. 4, Issue No. 4, (ISSN 2582-7421), April 2023.
4. S. Mahesh, B.Sai, B.Katam Madhukumar, G K.Ashok, S.M.Musharaff and Mr.S.Rambabu, together published a paper entitled " Automatic Railway Gate Control System" in the International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS), Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
5. J.Indrani, Y. Kasthuri, K. Jyothika, V.Priyanka, and Mr.S.Munawwar, together published a paper entitled "Embedded IoT Car Parking And Billing System " in the International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Vol. 5, Issue No. 4, (ISSN 2582-5208), April 2023.
6. C. Venkata subbaiah, D. Fayaz, R. Lokesh kumar, P. Manoj kumar and Mr.N.Sreenivasa Rao, together published a paper entitled " Development of IOT Based Air Pollution Monitoring system " in the International Journal of Research Publication and Reviews (IJRPR), Vol. 4, Issue No. 4, (ISSN 2582-7421), April 2023.
7. M. Vineela, S. Bhavani, B. Vyshnavi, V. Srilekha, and Ms.V.Nagamani together published a paper entitled " IoT based Vehicle Tracking and RFID Access System " in the International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Vol. 5, Issue No. 4, (ISSN 2582-5208), April 2023.
8. M. Tharunika, Y. Vara lakshmi, P. Jyotsna, N.Naga vasundhara, N.Haritha, and Ms. B. Alekya Himma Bindu, together published a paper entitled " Automatic Irrigation system using soil moisture sensor and temperature sensor" in the International Journal of Scientific Research in Engineering and Management (IJSREM), Vol. 7, Issue No. 4, (ISSN 2582-3930), April 2023.
9. A.Venkata sai, P Sai Sandeep, K Pavan sai, S.althaf and Mr.S.Girish Babu, together published a paper entitled " Alcohol Based Engine Locking System Using Iot and GSM" in the International Journal of Research Publication and Reviews(IJRPR), Vol. 4, Issue No. 4, (ISSN 2582-7421), April 2023.
10. S. Charandeep reddy, K Sai Prasad, B. Jagadeesh, Shaik Shahid, B. Riyaz basha and Mr.M.Mahesh Kumar, together published a paper entitled " IoT Based Automatic Fire Detection and Precautionary System " in the International Journal of Research Publication and Reviews(IJRPR), Vol. 4, Issue No. 4, (ISSN 2582-7421), April 2023.
11. B Lasya priya, B. Bhavani, K. Vyshnavi, K. Prathyusha and Ms.N.Jyotsna, together published a paper entitled "Tracking Sun Path And Voltage Monitoring System" in the International Scientific Journal of Engineering and Management (ISJEM), Vol. 2, Issue No. 4, (ISSN 2583-6129), April 2023.
12. G Sai Ganesh, A Tejeswar Reddy, S BharathReddy, S Deepak Kumar, N.Sai Akhil and Mr.K.Pedda Obulesu, collectively published a paper entitled " IoT Based Smart Security and Home and Messaging System " in the International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS), Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
13. M Purushotham Reddy, B Naga seshaiah Setty, B.Sai kumar, M. Subbhan, S.M. Meethaba and Mr.K.Vinod Kumar, collectively published a paper entitled " IoT Based Waste Management System " in the International Journal For Advanced Research In Science & Technology (IJARST), Vol. 13, Issue No. 4, (ISSN 2457-0362), April 2023.
14. Y Tej kumar, R Venkatesh, A Hari Krishna, V.Krushi and Mr.S.Ferozsha Ahammed collectively published a paper entitled " Iot Based SCADA System For A BTS Site Monitoring System" in the International Journal Of

- Progressive Research In Engineering Management And Science (IJPREAMS), Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
15. M. Kiran Kalyan, D.HussainVali, P. Dinesh, Valmiki Mallikarjuna K. Naga Manikanta and Mr.S.Rangaswamy, together published a paper entitled "IoT Based Vehicle Tracking Safety Monitoring System" in the International Research Journal of Modernization in Engineering Technology and Science(IRJMETS), Vol. 5, Issue No. 4, (ISSN 2582-5208), April 2023.
 16. S Safiya Thasleem, Y Sravani, K Lakshmi Chaitanya, N Swetha, K Poojitha and Dr.M.V.Subramanyam, together published a paper entitled "IoT Based Farm Protection From Animals And Human Theft Using Esp32 With Camera Module" in the International Research Journal of Modernization in Engineering Technology and Science(IRJMETS), Vol. 5, Issue No. 4, (ISSN 2582-5208), April 2023.
 17. P Lokesh, U.Venkata Manohar, J.Madhan Mohan Reddy, Y Venkata Akhil Kumar Reddy, P. Fayaz Khan, and Dr.Y.MallikarjunaRao, jointly published a paper entitled "Auto Railway Platform Control Using Sensors" in the International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS),Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
 18. C. Subodh Kumar, M. Lokesh, B. Saluvappa, S. FarookBasha, J. Mani Shankar Rao and Dr. S.N.Chaudhri together published a paper entitled "Early Detection Of Flood Monitoring And Alerting System To Save Human Lives" in the International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS),Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
 19. V Manasa, N Geethalakshmi, B Poojitha, B Preethi Sai, Y.Tarakeswari and Dr.G.Sowmya, together published a paper entitled "IoT Based Real Time Health Monitoring System" in the International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS),Vol. 5, Issue No. 4, (ISSN 2582-5208), April 2023.
 20. K Mahesh, M Dilip Kumar, K Sai Kumar, E Mahith, M. Chinna Sai Dastagiri Reddy and Mr.S.Rambabu collectively published a paper entitled "An Arduino Based Automated Vehicle Accident Detection" in the International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS),Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
 21. S Ruksana, P. Lakshmi Lavanya, M. Lakshmi Saraswathi, K. Jahnvi, R.Anjali and T.Nagamani together published a paper entitled "Implementation Of Smart Remote For Disabled People" in the International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS),Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
 22. B Yashaswini, R Rajitha, M. Gowthami, E. Dhakshayani, N. Vinnila Reddy and Mr.N.SreenivasRao together published a paper entitled "Development of A LPG Monitoring And Automatic" in the International Journal of Progressive Research In Engineering Management and Science (IJPREAMS),Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
 23. N. Bharathi, V. Munni, E. Bhavana, M. Jyothi, P Y. Akhila and Ms.V.Nagamani jointly published a paper entitled "IOT Based Smart Fish Farming Aquaculture Monitoring System" in the International Journal of Science, Engineering and Technology (IJSET),Vol. 11, Issue No. 2, (ISSN 2348-4098), April 2023.
 24. D.Jahnvi, K.Sudharani, S.Venkata Pranathi, P. Venkata Sai Pravalika, M. Swathi and Ms.B.Alekya Hima Bindu jointly published a paper entitled "IoT based laboratory automation and protection system" in the International Research Journal of Education and Technology (IRJET),Vol. 5, Issue No. 4, (ISSN 2581-7795), April 2023.
 25. C. Mallesh, K. Lokesh, D. Unish, N Sandeep, P. karthik Kumar and Mr.S.Girish Babu collectively published a paper entitled "IoT Based Bank Locker Security System With Voice Reporting and RFID" in the International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS),Vol. 3, Issue No. 4, (ISSN 2583-1062), April 2023.
 26. P.Rama Krishna, P.Bala murali, V.Nagaraju, T.Mouli Krishna, P.Jyothi Swaroop, Y.Sasidhar Yadav and Mr.M.Mahesh Kumar jointly published a paper entitled "IoT Based Intelligent Traffic Control System with Automatic Fine System and Pollution Detection" in the International Journal of Research Publication and Reviews (IJRPR),Vol. 4, Issue No. 4, (ISSN 2582-7421), April 2023.
 27. M Sneha Priyanka, D Susmitha, K. Sujatha, P. Jishitha, Y. Lakshmi Devamma and Ms.S.JayaMangala, collectively published a paper entitled "IOT SMART TROLLEY" in the International Scientific Journal of Engineering and Management (ISJEM),Vol. 2, Issue No. 4, (ISSN 2583-6129), April 2023.
 28. T.Sujatha, S.Umadevi, G.Sri Teja, S.Sujana, K.Sucharitha and Mr.K.Vinod Kumar together published a paper entitled "Design And Development of an IoT Based Robot" in the International Journal For Advanced Research In Science & Technology(IJARST), Vol. 13, Issue No. 4, (ISSN 2457-0362), April 2023.

STUDENT ACHIEVEMENTS:

1. B.Yashawini was awarded first place for the best project paper presentation at PRADARSHAN-2023, that was held on 25th Feb, 2023 by the Department of ECE at VNITSW Guntur.
2. M. Lakshmi Saraswathi won the first prize for the best project paper presentation at PRADARSHAN-2023, that was held on 25th Feb, 2023 by the Department of ECE at VNITSW Guntur.
3. S.Safiya Thasleem bagged the first prize for ideal project expo presentation in SIGMA-2023, that took place on 3rd March, 2023 at the Dept. of ECE, Santhiram Engineering College, Nandyal.
4. N.Swetha was awarded first place for best project expo presentation in SIGMA-2023 that was held on March 3rd, 2023, by the Department of ECE at Santhiram Engineering College in Nandyal.
5. JANUJA was awarded the First prize in Technical Quiz in SIGMA-2023 organized by the Dept. of ECE, Santhiram Engineering College, Nandyal on 03rd March, 2023.
6. Y.Sravani received the third Prize for the best paper presentation at SIGMA-2023, that was hosted by the Department of ECE at Santhiram Engineering College in Nandyal on 03rd March, 2023.



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PROGRAMMES CONDUCTED BY THE DEPT:

The 12th National Level Technical, Managerial and Cultural Fest, SIGMA-2K23 was organized in the college by all the departments. The department of EEE organized the **Paper Presentation, Project Expo and Technical Quiz** Contests on 03.03.2023 in association with IEEE Student Chapter STB-1790. The Department of EEE organized a One Day session on



"Career Development Skills By Younger Talks" Presented by Bindhu Pavalla on 28.06.2023 in association with IEEE Student Chapter STB-17901 for II & III B.Tech EEE Students.



The Department of EEE organized a one week Add-on Program on "Advanced C-concept & Coding" from 24.04.2023 to 30.04.2023 for II- EEE Students. The resource person of the program is Mr. S. Nagendrudu, Assistant Professor from the department of CSE, SREC, Nandyal.



The Department of EEE organized a one week Add-on Program on "Design of Photo Voltaic systems" from 13.03.2023 to 18.03.2023 for III- EEE Students. Dr. K. Rajasekhar Reddy, Associate Professor, and Mr. B. Nageswara Rao, Assistant Professor, Department of EEE, SREC, Nandyal acted as Resource Persons of the programme.



FACULTY PUBLICATIONS:

- **Dr. K. Rajasekhara Reddy**, Published a Paper on Illumination Based Light Control For Vehicle Movement in International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS), ISSN: 2583-1062, Vol. 3, Issue. 4, April 2023, PP. No. 443-447.
- **Dr. K. Rajasekhara Reddy**, Published a Paper on Voltage Stability Monitoring Using Iot, in International Journal Of Advances In Engineering And Management (IJAEM), ISSN: 2395-5252, Vol. 5, Issue. 4, April 2023, PP.No. 844-849.
- **Mr. U. M. Sundeep Kumar**, Published a Paper on IoT Based Accident Detection System, in International Journal Of Research Publication And Reviews, ISSN: 2582-7421, Vol. 4, Issue. 4, April 2023, PP.No. 2251-2255.
- **Mr. M. Yerrri Veeresh**, Published a Paper on Detection and Monitoring of Fire Accidents using IOT, in International Journal Of Innovative Science And Research Technology, ISSN: 2456-2165, Vol. 8, Issue. 4, April 2023, PP.No. 523-528.
- **Mr. V. Ramanjaneyulu**, Published a Paper on Arduino Based Accident Prevention System With Eye Twitch&Alcohol Sensor, in International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS), ISSN: 2583-1062, Vol. 3, Issue. 4, April 2023, PP.No 382-386.
- **Mr. B. Nageswara Rao**, Published a Paper on Smart Electrical Network Automation System By Using Iot, in International Journal Of Scientific Research & Engineering Trends, ISSN: 2395-566X, Vol. 9, Issue. 2, April 2023, PP.No 333-337.
- **Mr. A. Raghavendra Prasad**, Published a Paper on Predictions Based On The Weather Smart House Ventilation System With Automatic Fan Control, in International Journal Of Progressive Research In Engineering Management And Science (IJPREAMS), ISSN: 2583-1062, Vol. 3, Issue. 4, April 2023, PP.No. 321-326.
- **Mr. S. Seetharamudu**, Published a Paper on Inundation Monitoring & Alerting System Using IOT, in International Journal Of Innovative Science And Research Technology, ISSN: 2456-2165, Vol. 8, Issue. 4, April 2023, PP.No. 529-533.
- **Mr. M. Siva Shankar**, Published a Paper on Smart Street Lighting that Monitors Air Quality to Save Energy, in International Journal Of Advances In Engineering And Management (IJAEM), ISSN: 2395-5252, Vol. 5, Issue. 4 April 2023, PP.No. 949-955.
- **Mr. N.V.S. Prasad**, Published a Paper on Agriculture That Makes Use of the IOT, in International Journal Of Scientific Research & Engineering Trends, ISSN: 2395-566X, Vol. 9, Issue. 2, April 2023, PP.No. 375-378.
- **Ms. R. Sujatha**, Published a Paper on System for Automatic Gate Control on Railways, in International Journal Of Advances In Engineering And Management (IJAEM), ISSN: 2395-5252, Vol. 5, Issue. 4, April 2023, PP.No. 501-505.

STUDENTS ACHIEVEMENTS:

- 22 EEE students from III B.Tech of SREC successfully Completed 10 week Internships on various topics during Dec – Feb 2023, Organized by AICTE AND EDUSKILLS

STUDENT PAPER PRESENTATIONS:

- P. Bindu Madhavi, IV-EEE and S. Archana from III-EEE Participated in the event Paper Presentation and awarded 1st Prize at 9th National Level Technical Symposium-PRAVAHA 2K23 on 12-04-2023 and 13-04-2023 organized by RGM Engineering College, Nandyal.

- M.Subhashini, III-EEE participated in the event Paper Presentation and was awarded 2nd Prize at 9th National Level Technical Symposium-PRAVAHA 2K23 on 12-04-2023 and 13-04-2023 organized by RGM Engineering College, Nandyal.
- Students from III EEE named K. Haripriya, B. Namrutha, S. Aslam Basha and K. Hemavardhan participated in the event Paper Presentation at 9th National Level Technical Symposium-PRAVAHA 2K23 on 12-04-2023 and 13-04-2023 organized by RGM Engineering College, Nandyal.
- P. Venugopal and B. Nagaraju participated in the event Paper Presentation at National Level Technical Symposium-EYE-2K23 on 28-03-2023 organized by JNTU Annapur.
- S. Lakshmi Surabhi and Shaik Arshiya participated in the event Paper Presentation at National Level Technical Fest (Dillana-2K23) on 17-03-2023 and 18-03-2023 organized by SVR engineering college, Nandyal.
- P. Bindu Madhavi, IV-EEE Participated in the event Paper Presentation and awarded 1st Prize at 12th National Level Technical Symposium-SIGMA-2K23 on 03-03-2023 and 04-03-2023 organized by SREC, Nandyal.
- C. Pavani Kumari, S. Swarupa IV-EEE and S. Arshiya, III-EEE Participated in the event Paper Presentation and awarded 2nd Prize at 12th National Level Technical Symposium-SIGMA-2K23 on 03-03-2023 and 04-03-2023 organized by SREC, Nandyal.
- III-EEE students named S. Dinesh, V. Harsha vardhanachari Participated in the event Paper Presentation at 12th National Level Technical Symposium-SIGMA-2K23 on 03-03-2023 and 04-03-2023 organized by SREC, Nandyal.

SWAYAM NPTEL:

- The following students have successfully completed the "Introduction to Internet of Things" course with Elite+Silver Certificate in SWAYAM NPTEL during Jan-Apr 2023 (12 Weeks Course).

S.No	Regd.No	Name of the Student	Course Grade (%)
1	21X55A0226	N.VEERA PUSHPALATHA	84%
2	21X55A0230	S.N. NETHAJI	82%
3	21X55A0239	V.MANASA	80%
4	20X51A0226	UMANOJ KUMAR	75%
5	21X55A0229	P.SUDEVA KUMAR	75%

The following students have successfully completed the "Introduction to Internet of Things" course with Elite Certificate in SWAYAM NPTEL during Jan-Apr 2023 (12 Weeks Course).

S.No	Regd.No	Name of the Student	Course Grade (%)
1	21X55A0225	M. SUBHASHINI	73%
2	20X51A0210	J. SAMIR KUMAR	71%
3	21X55A0210	D. SAITEJA	71%
4	20X51A0215	P. SHAREEF BASHA	70%
5	21X55A0213	G. RAJA SEKHAR	70%
6	21X55A0231	SHAIK ARSHIYA	70%
7	21X55A0235	S. LAKSHMISURABHI	70%
8	21X55A0236	S. ABHILASH	70%

9	21X55A0216	J. SREERAM	69%
10	21X55A0227	P. NAGA DIVAKAR REDDY	69%
11	20X51A0211	L. SRIKANTH	68%
12	21X55A0219	K. HEMA VARDHAN	68%
13	20X51A0206	D. SIVA KUMAR	67%
14	20X51A0221	S. ARCHANA	66%
15	21X55A0209	D. MURTHUJA VALI	66%
16	20X51A0224	T. LAKSHMI VENKATESWARLU	65%
17	21X55A0205	B.NAMRUTHA	65%
18	21X55A0217	K. HARI PRIYA	65%
19	21X55A0221	K. SRIDHAR	65%
20	21X55A0238	V. HARSHA VARDHANA ACHARI	65%
21	21X55A0218	K. NARAYANAREDDY	64%
22	21X55A0220	K. VIJAY KUMAR	64%
23	21X55A0224	M.YASWANTH	64%
24	20X51A0220	SHAIK NAYEEM SHABNAM	63%
25	20X51A0207	D.CHAKRADHAR	62%
26	20X51A0216	P. MALLIKARJUNA	62%
27	20X51A0218	S. MAHESH	61%
28	21X55A0223	M. RAVEENDRA NAIK	61%
29	21X55A0228	P. VENU GOPAL	61%
30	21X55A0232	SHAIK ASLAMBASHA	61%
31	20X51A0227	V. PRAVALLIKA	60%
32	21X55A0201	B. TEJ PRASANNA KUMAR	60%
33	21X55A0204	B. HARUN	60%
34	21X55A0211	G. ZUBER	60%
35	21X55A0215	I. PAVAN KUMAR REDDY	60%
36	21X55A0233	SHAIK IRFAN	60%

- The following students have successfully completed the "Introduction to Internet of Things" course in SWAYAM NPTEL during Jan-Apr 2023 (12 Weeks Course).

S.No	Regd.No	Name of the Student	Course Grade (%)
1	21X55A0203	B. JITHENDRA	58%
2	21X55A0206	B. PURUSHOTHAM NAIDU	57%
3	20X51A0203	C. RAJASEKHAR	56%
4	21X55A0208	C. MANOHAR	56%
5	20X51A0202	B. HUSSAIN	55%
6	21X55A0202	B. LAVANYA	55%
7	21X55A0207	B. SURESH	55%
8	21X55A0214	G. PAVAN	55%
9	21X55A0234	S. DINESH	55%
10	20X51A0201	B. CHANDRA MOULI	54%

DEPARTMENT OF BASIC SCIENCES

PROGRAMS CONDUCTED BY THE DEPT:

1) ONE-DAY SEMINAR:

Santhiram Engineering College, Nandyal, Andhra Pradesh organized A Two day national level seminar on "Quality Sustenance Initiatives with Digital transformation and its impact in Higher Educational Institutions in the light of National Education Policy-2020" sponsored by National Assessment and Accreditation Council (NAAC) during 20th and 21st January 2023. The event was graced by Dr. M.V. Subramanyam, Principal, Santhiram Engineering College as the President of the seminar. Dr. S. Viswanatha Raju, Professor, JNTUH University. And Dr. V. Madhu Viswanatham, Professor, Vellore Institute of Technology, Vellore, Tamilnadu were the Chief Guests and acted as spokesmen for the seminar.



2) NATIONAL SCIENCE DAY:

The Department of Basic Sciences in association with IIC organised a programme to celebrate the "National Science Day" on 28.02.2023. The prepared projects and Posters for science expo were showcased and explained during the programme. All the B. Tech students took active participation in the PPT presentations and received certificates.



3) REPUBLIC DAY:

The Republic Day was celebrated in the College to celebrate the constitutional enforcement. Dr. M.V. Subramanyam, Principal was the Chief Guest for the Celebrations. The celebration was initiated by inviting the Chief Guest to unfurl the Flag. AG Venkateswarlu, Assistant Professor from the department of Basic Sciences was the coordinator for this program. The celebrations ended with distribution of prizes.



4) A TECHNICAL QUIZ COMPETITION:



A Technical Quiz Competition was conducted on 03-03-2023 by the Department of Basic Sciences, as a part of SIGMA-2K23. The students were participated very enthusiastically in this event. A total of 20 teams with each consists three students, participated in the competition.

5) PAPER PRESENTATION:

The Department of Basic Sciences – Santhiram Engineering College in Association with SREC ISTE Student Chapter ap-133 conducted paper presentation competition in the event of "SIGMA-2K23" on March 3rd, 2023. The Participating teams eagerly presented their ideas and innovations.



FACULTY ACHIEVEMENTS:

• P. Lavanya, Asst prof, Dept of English Registered for PhD program in English Literature from Mohanbabu University during Academic Year 2022-23.

PROGRAMS ATTENDED BY THE FACULTY:

- Dr. B. Seshiah, Prof, participated in the International Conference on "Innovations and Developments in Mathematical Science and Technology (ICIDMST-2023)" Organized by the Department of Mathematics, Sri Krishna Devaraya University held on 28.06.2023 to 30.06.2023.
- Dr. B. Seshiah, Prof, participated in the international conference on "Emerging Research in Science, Engineering & Management" held during 19th & 20th May 2023, at SRIT, Proddatur, YSR District, Andhra Pradesh, INDIA.
- Dr. B. Seshiah, Prof, participated in a Five-Day Workshop on "Statistical Analysis using python" held at VNRVJET, Hyderabad, Telangana, India during 6-11 March 2023, organized by the departments of humanities & Sciences.
- Dr. B. Seshiah, Prof, participated in a Two-Day Workshop on "Recent Advances in Differential Equations" organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai on 8th and 9th April 2023.
- Dr. B. Seshiah, Prof, Dr. B. Haritha, Dr. A. Sivakameswara kumar, Dr. P. Shaikhavali, Dr. B. Eljabetthamma, Mr. A. G. Venkateswarlu, R. Ramadevi, K. Srilatha, P. Lavanya, K. Ramesh,

G.Malleswari, S.Chand Basha and J.Seshaphani participated in NAAC sponsored National level two day seminar on "Quality Sustenance Initiatives with Digital Transformation and its impact on Higher Educational Institutions in light of National Educational policy-2020" during 20 & 21st January-2023, Organized by IQAC cell, in Association with Department of Electronics and Communication Engineering, Santhiram Engineering College Nandyal.

• Dr. B.Seshaiah, Prof, Dr. B. Haritha, Dr. A.Sivakameswara kumar, Dr. P.Shaikshavali, Dr. B.Eljabetthamma, R.Ramadevi, Mr.A.G.Venkateswarlu, K.Srilatha,P.Lavanya, K.Ramesh, G. Malleswari, S.Chand Basha, J.Seshaphani and E.Lokesh, participated in an FDP on "Generating Research : Tools and Techniques" Organized by IQAC & Dean – Faculty Affairs, in Association with IIC, Santhiram Engineering College, Nandyal, held on 23.06.2023.

• Dr. B. Haritha, Assoc Prof, participated in a Five Day Online FDP on "Mathematical Modelling in Biological Systems" organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology (VIT) Chennai, from 19rd to 23th June 2023.

• Dr. B. Haritha, Assoc Prof, participated in a Five Day Online FDP on "Numerical Techniques for Real World Engineering Applications" organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology (VIT) Chennai, from 3rd to 7th June 2023.

• Dr. B. Haritha, Assoc Prof, participated in the Five Day Online FDP on "Emerging Trends of Non-Autonomous System of Differential Equations in Engineering Fields" organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai from 26th May to 30th May 2023.

• Dr. B. Haritha, Assoc Prof, participated in a Three Days FDP on "Choosing Scholarly Journals and Guidelines to Publish Scientific Articles" organized by Institute for engineering research and publications. (IFERP), From 22.05.2023 to 24.05.2023.

• Dr. B. Haritha, Assoc Prof, participated in a 3-Day FDP on "Intellectual Property Rights (IPR) and IP Management" organized by Institute for Engineering Research and Publications. (IFERP), From 26.04.2023 to 28.04.2023.

• Dr. B. Haritha, Assoc Prof, participated in the 3-Day FDP on "Emerging Methods and Models in Artificial Intelligence and Machine Learning" organized by Institute for Engineering Research and Publications. (IFERP), From 05.04.2023 to 07.04.2023.

• Dr. B. Haritha, Assoc Prof, participated in the a Five Days FDP on "Digital Image Processing Using MATLAB" Organized By Institute For Engineering Research And Publication.(IFERP), From 20.02.2023 to 24.02.2023.

• Dr. B. Haritha,, Assoc Prof, participated in a 3-Day Online FDP on "Differential Equations & its Applications" organized by Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai from 03rd February to 05th February 2023.

• Dr. B. Haritha, Assoc Prof participated in a Three-Day Online Faculty Development Program on "Recent Advances in Computational Fluid Dynamics" from 23.01.2023 to 25.01.2023 organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai.

• Dr. A.Sivakameswara kumar, Assist Prof, participated in the International Conference on "Innovations and Developments in Mathematical Science and Technology (ICIDMST-2023)" Organized by Department of Mathematics, Sri Krishna Devaraya University. Held on 28.06.2023 to 30.06.2023.

• Dr. A.Sivakameswara kumar, Assist Prof, participated in the international conference on "Emerging Research in Science, Engineering & Management" held during 19th&20th may 2023, at SRIT, Proddatur, YSR District, Andra Pradesh, INDIA.

• Dr. A.Sivakameswara kumar, Assist Prof, participated in a Five-Day Workshop on "Statistical Analysis using python" held at VNRVJIET, Hyderabad, Telangana, India during 6-11 March 2023, organized by the departments of humanities & Sciences,

• Dr. A.Sivakameswara kumar, Assist Prof, participated in a Two-Day Workshop on "Recent Advances in Differential Equations" organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai on 8th and 9th April 2023.

• Dr.B.Shaikshavali, Assist Prof, participated in an FDP on "Generating Research: Tools and Techniques" Organized by IQAC & Dean – Faculty Affairs, in Association with IIC, Santhiram Engineering College, Nandyal held on 23.06.2023.

• Dr.B.Eljabetthamma, Assist Prof participated in the FDP, cum Workshop Entitled, "One Week FDP on Computational Modelling of Materials" Organized by the Department of Physics, Madanapalle Institute of Technology and Sciences. From 08.05.2023 to 12.05.2023.

• Mr.A.G.Venkateswarlu, Asst Prof, participated in the FDP, cum Workshop Entitled, "One Week FDP on Computational Modelling of Materials" organized by the Department of Physics, Madanapalle Institute of Technology and Sciences. From 08.05.2023 to 12.05.2023.

• Mr.A.G.Venkateswarlu, Asst Prof, participated in the Course, "Computational Modelling of Materials" organized by the Department of Physics, Madanapalle Institute of Technology and Sciences. From 08.05.2023 to 12.05.2023.

• K.Ramesh, Asst Prof, participated in a Five Day Online FDP on "Emerging Trends of Non-Autonomous System of Differential Equations in Engineering Fields" organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai from 26th May to 30th May 2023.

• FACULTY PUBLICATIONS:

• Dr.B.Seshaiah,, Prof from the Department of Mathematics published a paper titled "Non-Newtonian Electrically Conducting Nano Fluid Heat and Mass Transfer Analysis Over a Vertical Cone with Convective Boundary Condition" and was published in American Scientific Publishers : Journal of Nanofluids Vol. 12, Page No. 1-1, 2023 ISSN: 2169-432X

• P.Lavanya,, Asst Prof from the Department of English published a paper titled "STEM Oriented English Learning Strategies for Engineering Classroom Applications" and was published in International Journal of Novel Research and Development Vol. 8, Issue No. 1, ISSN: 2456-4184.

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

PROGRAMS CONDUCTED BY THE DEPT:

1. Dept-Club Activity:

A One day Club activities of the Dept in the name of SYNERGY was organized on 07.01.2023. Business Quiz and Paper Presentation events were conducted on that day with active participation of Students.

2. One-day Seminar:

A One day Seminar on **Electronic Business Practices** was organized on 09.01.2023. Mr. S.Rahim Basha from Allagadda Institute of Management Sciences, Allagadda acted as the resource speaker.



3. One-day Alumni Talk:

A One day Alumni Talk on **Leadership Skills for Managers** was organized on 11.01.2023. Mr.K. Sai Krishna, (Alumni MBA) Regional Manager, EXIDE Batteries, Vijayawada was the speaker.



4. One-Week Add-on Program:

A One week Add-on Program on Tally for Auditing Financial Statements was organized by the dept from 17.01.2023 to 21.01.2023. I-I MBA students took energetic part and acquired the knowledge on Tally.



5. One-Week Add-on Program:

A One week Add-on Program on Production and Stock Management was organized by the dept from 06.02.2023 to 11.02.2023. II-III MBA students participated and enhanced the awareness.



6. One-day Industrial Visit:

A One day Industrial Visit to **Dodda Milk Dairy**, Kurnool was arranged on 03.01.2023 and the participation of the students was greatly active.



7. Three-day Faculty Development Program:

A Three-day FDP on **Green Business Management** was organized by the dept from 01.05.2023 to 03.05.2023 to enhance the understanding of the staff and the response was quite booming.



PROGRAMS ATTENDED BY THE FACULTY:

- The following faculty members attended a one-day National Virtual Webinar on Financial Empowerment and Career Opportunities in Securities Market organized by the Govt Degree College, Billawar on 08.06.2023.
 - Dr. A. K. Neeraja Rani, HOD-MBA,
 - S. Mahaboob Basha, Asst Prof
- Dr. C. Maddileti, Assoc Prof, attended a one-day National Webinar on Financial Empowerment through effective Financial Planning organized by Finawas Pvt Ltd., J & K on 09.06.2023,

CAREER DEVELOPMENT CELL (CDC)

Career Development Cell is with enormous importance in any organization that emphasizes the students to be aware of the prevailing placement scenario and motivates them to work towards their respective goals. The Cell consistently works for the curation of the abilities of the students and attracts the best opportunities from the employers for the provision of employment to the students during their graduation itself. The SREC CD cell is proactive in making students understand their abilities and enables them to be compatible with respect to on and Off Campus recruitments.

PROGRAMS ORGANISED BY CDC:**1) ONE-WEEK CERTIFICATE PROGRAM:**

The CDC of SREC organized a one-week certificate program on Enhancement of Quant, Reasoning & Soft Skills, by inviting Mr. Venu, Mr. Vijay, Mr. Ram, Mr. Kiran & Mr. Posubabu as the resource persons, from 20.02.2023 to 28.02.2023. The students from all the dept's participated actively in this program.

**2) ONE-WEEK CERTIFICATE PROGRAM:**

The CDC of SREC organized a one-week certificate program on Enhancement of Technical Coding Skills by inviting Mr. Prince, Mr. Jackson & Mr. Siddhartha as the resource persons, from 14.03.2023 to 20.03.2023. The students from all the departments participated with enthusiasm in this program.



Name of the Industry	No. of students	virtual/physical mode	Duration
ALTERYX	14	Virtual	May 2023 To June 2023
AWS	352	Virtual	May 2023 To June 2023
Blue prism	102	Virtual	May 2023 To June 2023
Brain-Q-Vision	16	Physical	May 2023 To June 2023
FortiNet	5	Virtual	May 2023 To June 2023
IBM EDUNET	10	Virtual	May 2023 To June 2023
lgeeks technologies	2	Virtual	May 2023 To June 2023
IREP	2	Physical	May 2023 To June 2023
Kodenest	1	Virtual	May 2023 To June 2023
MicroChip	49	Virtual	May 2023 To June 2023
Palasito	153	Virtual	May 2023 To June 2023
SmartInternz	3	Virtual	May 2023 To June 2023
UI path	7	Virtual	May 2023 To June 2023
Web soft	1	Virtual	May 2023 To June 2023
Wipro	1	Virtual	May 2023 To June 2023
Juniper	10	Virtual	May 2023 To June 2023
Coronis	1	Virtual	May 2023 To June 2023

ARTS & CULTURAL EVENTS

The SREC Arts and Cultural Committee not only enriches campus life but also contributes to the personal and artistic development of students by providing a platform for them to explore their creativity and interests beyond academics. It encourages a vibrant and diverse cultural scene on campus, fostering a sense of community and appreciation for the arts.

The college has instigated the Arts and Cultural Committee to organize various activities to celebrate the Pongal. The activities kindled the spirit of the SREC family and they participated with full enthusiasm and showcased their talent that generated lot of fun and made very one enjoyed to their hearts' content.

Students taking part in "Fly the Kite" event**Rangoli-The Life with Colours**

The Arts and Cultural committee took active part in Sigma-2K23, a grandly organized symposium by SREC on 3rd Mar to 4th Mar, 2023 and conducted various events such as Dance, Singing, Mehendi, Make over etc to bring out the innate talents among the student community. The initiation taken by the cultural committee attracted huge pool of students came forward to showcase their talents and the committee as part of Sigma recognized and appreciated their talent in a befitting manner. They were greatly appreciated and honored with cash prizes and certification. A sense of excitement and satisfaction was apparently seen on the faces of each participant and the committee was greatly successful to identify their aptitude.



PLACEMENT CELL

The Placement Cell of SREC plays a crucial role in ensuring that students are well-prepared for the job market and that they can make informed career decisions. By establishing connections with various industries and companies, the placement cell helps to create a positive image of the college and enhances its reputation among potential employers. This, in turn, attracts more companies for campus placements, benefiting both students and the college.

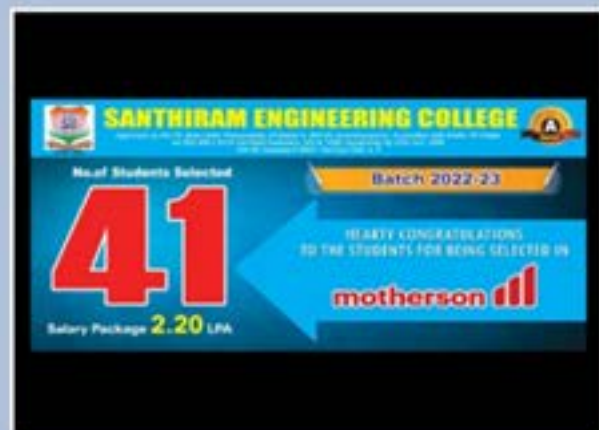
1) 4 Students got placed in various MNCs such as TCS digital, Hexaware, efftronics with 7.00 LPA in the off campus recruitment drive.



2) 41 Students got recruited in MAINTEC(HCL) with 2.20LPA in the off campus recruitment drive held on 11.04.2023



3) 41 Students got placed in KIML with 2.20LPA in the off campus recruitment drive held on 15.04.2023



4) 4 Students got employment in various MNCs named Deloitte & IBM with 4.00LPA in the off campus recruitment drive.



5) 8 Students got recruited in SOFT SUAVE TECHNOLOGIES, with 3.50LPA in the on campus recruitment drive. 09.02.2023.



6) 08 Students received placement orders in SUTHERLAND GLOBAL with 2.50LPA in the on campus recruitment drive 11.03.2023



7) 7MBA Students got recruited in various MNCs named FACTSET & COGNIZANT with 3.45LPA in the off campus recruitment drive.



A total of 113 students got recruited in on & off campus interviews with handsome salary packages.

NSS UNIT

NSS is a popular student-oriented program in SREC that encourage the students to participate in various community service activities. The primary objective of SREC is developing the personality and character of students through voluntary community service.

1) ROAD SAFETY AWARENESS PROGRAM:

To improve safety and reduce road crash casualties, the Ministry of Road Transport & Highways (MoRTH) has entrusted the Indian Road Safety Campaign to lead road safety activities aimed at upping grassroots level citizen involvement in road safety measures across the nation. Dr. M. V. Subramanyam, Principal has inaugurated and addressed the importance of following the Traffic rules. Mr. Srikanth, R.T. O Nandyal and Mr. B. Suresh Babu, Executive Engineer, Nandyal attended as Chief Guests for this program.



2) ROAD SAFETY AWARENESS RALLY:



The students of Santhiram Engineering College, Nandyal participated in Road Safety Awareness Rally that was organized by Nandyal Municipality and Police Department, Nandyal on 30th January 2023.

3) SPECIAL CAMP:

NSS Unit of Santhiram Engineering College organized a One week Special Camp at APTWR School, Kowlur village and CHC Panyam. The following were the activities conducted from 20.04.2023 to 28.04.2023.



S.NO	NAME OF THE ACTIVITY	PLACE
1	Smart skills for better communication	APTWR School, Balapanur
2	Drawing Competition	APTWR School, Balapanur
3	Sports & Games	APTWR School, Balapanur
4	Awareness on Digital Money Transactions	Kowluru
5	Awareness on Latest Technologies in the Agriculture field	Kowluru
6	Awareness on Traffic Rules and Guidelines	Kowluru
7	Clean & Green and Tree Plantation Drive	PHC, Panyam Drive

4) WORLD ENVIRONMENT DAY – 2023:

National Service Scheme (NSS) Unit of Santhiram Engineering College organized E-Waste Collection Drive and Sapling Plantation on the occasion of World Environment Day under Azadi Ka Amrit Mahotsav on 5th June, 2023 at SREC Campus. It is a day that commemorates and calls the attention to the adverse effects of climate changes and global warming.



5) INTERNATIONAL DAY OF YOGA-2023:

National Service Scheme (NSS) Unit of Santhiram Engineering College organized Harmonious Mass Yoga Demonstrations on the occasion of International Day of Yoga-2023 on 21st June, 2023. The celebration of International Day of Yoga fostered a deep appreciation for the ancient practice of yoga, emphasizing its ability to promote physical fitness, mental well-being, and spiritual growth.



SPORTS & GLIMPSE FROM THE MEDIA

Sports in SREC College contribute to holistic student development, promoting physical and mental well-being, teamwork, leadership, and a sense of community. They create a vibrant college culture, enriching the overall educational experience for students during their time on campus. Our college can promote sports by establishing well-equipped sports facilities and encouraging student participation in various sports activities. Emphasizing the importance of sports alongside academics creates a balanced and comprehensive college experience, preparing students not only for their careers but also for a healthy and fulfilling life.

- S.Praharsha vardhan (21X51A0597) and K.Guru Prasad (20X51A0586) participated in "Volley ball (MEN) in the 11th JNTUA Volleyball competition as part of INTER Collegiate Games meet-2023" organized by AUDISHANKARA ENGINEERING COLLEGE, GUDUR, held from 4-3-2023 to 6-3-2023.
- P. Aneefa (21X51A0591) participated in "Ball Badminton (WOMEN) in the 11th JNTUA Volleyball competition as part of INTER Collegiate Games meet-2023" organized by AUDISHANKARA ENGINEERING COLLEGE, GUDUR, held from 4-3-2023 to 6-3-2023.
- Mr. K.Narayana Reddy (Regd.No. 21X55A0218) got selected for JNTU Anantapur Ball Badminton Team in All India Inter University Competitions, Mangalore from 13.01.2023 to 17.01.2023.
 - Mr. M.Vikas (Regd.No. 20X55A0225) got selected to be a part of JNTU Anantapur Kho-Kho Team in the South Zone event held at JNTUK, Kakinada from 09.01.2023 to 12.01.2023.
- R.Harshitha was awarded first place for the chess tournament, which was held on April 11 to 14, 2023, by the KSNR Sports Arena, KSRM.



శాంతిరాం ఇంజనీరింగ్ కళాశాలకు అటానమస్
సేటర్స్

పాఠ్యం మండలం నేరావాడలోని శాంతిరాం ఇంజనీరింగ్ కళాశాలకు యూనివర్సిటీ కమిషన్ నుండి అటానమస్ స్టేట్స్ ఇవ్వడం జరిగిందని కళాశాల ప్రెజ్డెంట్ శాంతిరాం తెలిపారు. 2009లో ప్రారంభమైన కళాశాలకు 2022కు NAAC గుర్తింపు పొందిందని, 2023లో యుజిసికి చెందిన ఐదుగురు సభ్యులు తనిఖీ చేసి స్వయం ప్రతిపత్తి ఇవ్వడం జరిగిందని తెలిపారు. కళాశాల ప్రిన్సిపల్ సుబ్రమణ్యం పాల్గొన్నారు.

కాంతిరామ్ ఇంజనీరింగ్ కళాశాలకు ఎన్బిఎ గుర్తింపు

செவ்வாய், 14 சூன், 2011



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పుస్తకాల పంపిణీ



పద్యాధ్యయనము పుస్తకాలు పంపిణీ చేస్తున్న శాంతిరాం నిర్వహి

ಪಾಲ್ಘಾಂ, ಏಪ್ರಿಲ್ 24: ಕಾಂಕರಾ ಜಲಾನಯನ ಕೆಳಗಿನ ವಿವಿಧವಿಧ ಯೋಜನೆ ಅಧೀನದಲ್ಲಿ ನಿರ್ಮಿತವಾದ ಗಿರಿಪರ್ವತ ಗುಡಿಯು ಪಾಲ್ಘಾಂ ಪಾರ್ವತಿಯವಳಿಗೆ ಪ್ರತಿಷ್ಠಾಪನೆ ಮಾಡಿ ದೇವಾಲಯ ನಿರ್ಮಿಸುವುದು ಅಂದಿ ಕಾಮದ ಪ್ರತಿಷ್ಠಾಪನೆ ಮುಂದುವರಿಸುವುದಕ್ಕಾಗಿ ಕೆಲವಾರು ವಸ್ತು ವಿಭಾಗವು ಪಾಲ್ಘಾಂನಲ್ಲಿ ಪ್ರತಿವರ್ಷ ನಡೆಸುವುದು ಕರಾರು. ಪ್ರಸ್ತುತ ವರ್ಷಕ್ಕೆ ವಿಶ್ವಾಸಕ್ಕೆ ತಂದು ಕೊಡುವ ವಿಶ್ವಾಸೀಯತೆ ತೋರಿಸುವುದು ಅಂದಿವಸ್ತುಗಳನ್ನು ಪಡೆದು ಕಾರ್ಯದ, ಎದೆ ನಿರ್ಮಿಸಿ ಕಳುಹಿಸುವ ಕಾರ್ಯದ, ಎದೆ ವಂತಕರಿಸುವ, ಮುಂತಾದ ಕಾರ್ಯದ,

ఆధునిక వ్యవసాయం పై అవగాహన సదస్సు

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ప్రతి వ్యక్తి ప్రాథిక వియమ విబంధనలు పాటించి

ప్రమాదాలు నివారించాలి

- కాలిఫోర్నియా కలకాల ప్రెస్సివర్ డా. ఎంవి ముక్తమణ్డం



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అపగాహన సదస్సు

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