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NEWSLETTER
JULY-DEC-2023

VOLUME: 18

ISSUE NO: 01

CELEBRATING
16
YEARS OF EXCELLENCE

SANTHIRAM ENGINEERING COLLEGE
(AUTONOMOUS)

Approved by AICTE, New Delhi, Permanently Affiliated to JNTUA, Ananthapuramu
Accredited by NAAC with "A" Grade (3.2/4.0), Accredited by NBA (ECE & CSE)
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HIGHLIGHTS OF THE ISSUE

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HIGHLIGHTS OF THE ISSUE:

Message from Chairman's Desk

I extend my heartfelt wishes to students, faculty, and staff at this scenario where we embark on a new chapter.

Our engineering college is an active hub of research and creativity, and I do not doubt that the upcoming year will be brimming with novel ideas, team projects, and notable accomplishments.

I appreciate our committed faculty members for their constant attention to research and classroom excellence. Your excitement and inquisitiveness, are what propel the institution forward.

I advise all individuals to actively engage in the diverse range of initiatives, that contribute to our college's vibrant and stimulating atmosphere. Let's work for a community that values education, innovation, and creativity together.

Wishing you all a successful and fulfilling academic year ahead.

Message from MD's Desk

I extend my hearty congratulations to the Team: Newsletter, for having established effective channel for communication.

I am excited to reinforce our commitment to fostering a culture of research and innovation at our esteemed engineering college. Our collective efforts in research not only contribute to the advancement of our institution but also have the potential to address real-world challenges.

I encourage each faculty member to mentor and inspire students, guiding them towards meaningful research projects. Similarly, students, seize the opportunities to engage in innovative endeavours.

Let us collaborate, question, and explore new frontiers together. Through our dedication to research and innovation we will not only elevate our academic standing but also leave an indelible mark on the landscape of engineering education.

Message from Principal's Desk

As we gear up for a brand-new year, let's collectively embrace the exciting opportunities awaiting us.

To our incredible students, this academic journey is more than just lessons; it's an adventure where you discover your potential. When faced with challenges, view them as chances to grow stronger and more creative. Team up with your fellow classmates to collaborate, adapt, and generate fresh ideas.

For our devoted staff, your commitment forms the backbone of our educational mission. Your efforts in shaping minds and fostering a nurturing environment do not go unnoticed. As we board on this academic journey, let's work together to create an atmosphere where both students and staff thrive.

Wishing everyone a fantastic year filled with growth, collaboration, and success!

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 at 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

JNTUA SPONSORED ONE WEEK FACULTY DEVELOPMENT PROGRAM

"Recent Trends in VLSI Technologies and Practical Approaches Towards IP Using EDA Tools".
The Program gained merit by the Presence of Professor G. Ranga Janardhan, Vice Chancellor,
JNTUA who was the Chief Guest of the Program.

INAUGURAL CEREMONY IN THE PRESENCE OF
DIGNITORIES AND PARTICIPANTS

KEY NOTE ADDRESS BY CHIEF GUEST
PROF. G. RANGA JANARDHAN GARU

WELCOME NOTE BY DEPARTMENT HEAD
Dr. Y. MALLIKARJUNA RAO

PARTICIPANTS OF FDP WITH DIGNITORIES

ADDRESS BY THE CHAIRMAN
Dr. M. SANTHIRAMUDU garu

AN EXPRESSION OF GRATITUDE TO
PROF G. RANGA JANARDHAN,
VICE CHANCELLOR, JNTUA

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PROGRAMMES CONDUCTED :

1. ALUMNI TALK "OPPORTUNITIES WITH EMBEDDED SYSTEMS"
On 10-11-2023 for IV & III- EEE Students. Mr. P.N.V. Anjaneyulu, Senior Software Engineer, Mercedes Benz, Bangalore acted resource persons of this program.

2. ONE DAY SEMINAR "VLSI DESIGN AND MODELLING"
On 18-11-2023 for IV & III- EEE Students. Mr. Kunduri Raghava Reddy, Senior Staff Analog Design Engineer, RENESAS Electronics, Bangalore acted resource persons of this program.

FACULTY PUBLICATIONS:

1. Mr. M. Yerri Veeresh, Published a Paper on **Performance Of PMSM-Based Battery Electric Vehicle Using P.I., P.I.D., And F.L. Controllers**, in Journal of Applied Science and Engineering (JASE), ISSN: 2708-9967, Vol. 27, Issue. 7, Nov 2023, PP.No. 2847-2855.

2. **Dr.K.Rajasekhara Reddy**, Published a Paper on **Design of Hybrid Energy Storage and Management System in Hybrid Electric Vehicle Using Machine Learning Approach**, in 4th International Conference on Smart Electronics and Communication (ICOSEC)-2023 IEEE Xplore, Kongunadu College of Engineering and Technology, Trichy, Tamilnadu, 20-22 September 2023.

FACULTY ATTENDED PROGRAMS:

1. Mr. M. Y. Veeresh, HOD has participated Two Days Workshop on **"Mentor Training Programme for BIS Standards Club"** held on **11.12.2023 to 12.12.2023,** organized by Bereau of Indian Standards, Vijayawada Branch Office, Hotel Hyatt Place, Vijayawada.

2. Mr. V. Ramanjaneyulu, Asst Prof:
   - One week online FDP Program on **"Recent Trends in Green Energy Initiatives and Soft Computing Techniques"** held on **11.07.2023 to 15.07.2023,** organized by MGIT, Hyderabad.
   - One-week online FDP Program on **"Cyber Security and Privacy"**, organized by IIT Madras.

3. The following faculty members have participated in one-week online FDP on **"Cloud Infrastructure (AWS)"** organized by Santhiram Engineering College, Nandyal held from 21st – 25th August, 2023.
   - Mr. M. Y. Veeresh, HOD of EEE, Dept.
   - Mr. K. Rajasekhara Reddy,
   - Mr. V. Ramanjineyulu,
   - Mr. B. Nageswara Rao,
   - Mr. A. Raghavendra Prasad,
   - Mr. N. V.S. Prasad.

FACULTY ACHIEVEMENTS:

1. Dr. K. Rajasekhara Reddy, Assoc Prof, received the following awards:

- **Best Teacher Award** from Institute of Technical and Scientific 'Research (ITSR) Foundation Award-2023 held on 13.09.2023, Jaipur, India
- **Best Faculty** from National Faculty Award-2023, Novel Research Academy, Puducherry, India, held on 21.09.2023.

2. Dr. K. Rajasekhara Reddy, Assoc Prof, is received 100% Pass percentage in Introduction to Internet of Things for III B.Tech – II Sem 2020 Batch for AY 2022 – 23.

STUDENTS' ACHIEVEMENTS:

53 Members from III-II B.Tech EEE 2020 Batch students of SREC have successfully Completed 10 weeks Internships on various topics during May – July 2023, Organized by AICTE AND EDUSKILLS.

STUDENTS CURRICULAR PROGRAMS:

- Ms. S.Lakshmi Surabhi **(21X55A0235)** & Ms. Shaik Arshiya **(21X55A0231)** IV-I EEE has Participated in the event **IEEE Hyderabad Section Student Congress-2023** on **14-10-2023** organized by IEEE HYDERABAD SECTION, at JNTUH UGC HRDC, Hyderabad.

- Ms. S. Lakshmi Surabhi **(21X55A0235)** & Ms. Shaik Arshiya **(21X55A0231)** IV-I EEE has Participated in the event **UMANG-2K23 ANANTAPUR ZONAL CONGRESS - Sustainable Development** Under **Sustainable Development Goal For Clean And Green Energy** on **25-11-2023** organized by IEEE Hyderabad Section SAC and IEEE Anantapur Sub-Section, at RGMCET, Nandyal.

MOOCS THROUGH NPTEL

➢ The following students have successfully completed the **"Cyber security and Privacy"** course with **Elite Certificate** in SWAYAM NPTEL during **July – Oct,2023 (12 Weeks Course).**

S.No	Regd.No	Name of the Student	(%)
1	21X55A0214	G. PAVAN	64%
2	21X55A0220	K. VIJAY KUMAR	60%
3	21X55A0225	M. SUBHASHINI	60%
4	21X55A0230	S.N. NETHAJI	63%
5	21X55A0237	U.PRASHANTH	62%

➢ 15 students have successfully completed the **"Cyber security and Privacy"** course in SWAYAM NPTEL during July – Oct,2023 (12 Weeks Course).

ACHIEVEMENT IN SPORTS:

- **Mr. K. Narayana Reddy (21X55A0218)** is selected for **JNTU Anantapur Ball Badminton Team** in All India Inter University, Anantapur 08-11-2023.

- **Mr. G. Rajasekhar (21X55A0213)** is selected for **Football (Men) JNTUA Anantapur** in JNTUA South Zone Inter University 2023 on 31-10-2023.

- **Ms. B. Namrutha (21X55A0205)** is selected for **Football (Women) Andhra Pradesh** in 28th Senior Women's National Football Championship -2023 held during15-11-2023 to 24.11.2023.
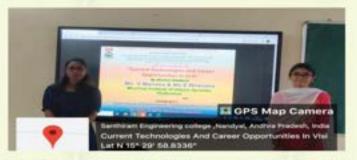
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROGRAMS ORGANISED:

1. JNTUA Sponsored One Week Faculty Development Program On **"Recent Trends In VLSI Technologies And Practical Approaches Towards IP Using EDA Tools"** held from 9th to 13th Oct, 2023 with 30 faculty members from SREC and other colleges were attended the program. The resource persons were from reputed institutes and industries.

2. Alumini Talk On **"Current Technologies and Career Opportunities in VLSI"** held on 27th Oct 2023, with 240 attendees with the assistance of Ms. V. Manasa and Ms. E. Bhavana, Mos Chip Institute of Silicon Systems, Hyderabad.

3. Career Guidance Programs On **Recent Trends And Challenges In VLSI And Career Opportunities** Held on 5th of Oct 2023, with the assistance of Mr. Sreenivasa Reddy, Founder and Director, **VLSIGURU.**

4. **A One-Day Program On Career Opportunities In VLSI Design And Manufacturing** on October 12th, 2023, with the assistance of Dr. K. Vasudeva Reddy.

5. A Career Guidance Program on **Embedded Systems By Vector India (Bangalore)** was organised on 5th Dec, 2023, with the assistance of Mr. Mahesh. 100 students have attended.

6. **Online Coding Competition**

Coding competition was conducted in association with the IEEE Signal Processing Society, on 30th Oct, 2023. 110 students from the Dept of ECE competed in this.

7. A Three-Day Workshop On **Innovation On Industrial IOT And Automation Workshop** conducted from November 23rd –25th 2023, with the Assistance of Mr. U. Kumar, Silicon Touch Technologies (STT) Vijayawada, as a resource person.

FACULTY ACHIEVEMENTS:

- Dr. Y. Mallikarjuna Rao, Professor, has qualified UGC -NET 2023.

FACULTY DEVELOPMENT PROGRAMS:

1. The following faculty members attended One Week National Level FDP on Cloud Infrastructure, during 21th-28th Aug, 2023, Organized by Brain o Vision
   - Dr. G. Sowmya
   - Ms. Jayamangala Sristi,
   - Ms. Nagella Jyothsna,
   - Ms. V. Nagamani,

2. The following faculty members attended ATAL FDP on AI , during 16th-21st Oct 2023, Organized by RGMCET , Nandyal.
   - Dr. G. Sowmya
   - Ms. V. Nagamani,
   - Ms. Bikkili Alekya Himabindu,
   - Ms. Nagella Jyothsna,

3. Mr. Shankarnath, Asst. Prof attended National Education Policy -2020: Education for Sustainability, during 30th October to 04th November 2023, organized by Santhiram Engineering College, Nandyal.

FDPS THROUGH NPTEL:

1. Dr. Shivnath Chaudhri, Asst. Prof successfully completed NPTEL-FDP on Introduction to Internet of Things, during July - October 2023.

2. Mr. Syed Munawwar, Mr. Shaik Mohammad Eliyas, Asst. Profs successfully completed NPTEL-FDP Deep Learning, during July - Oct 2023.
3. Ms. Jaya Mangala Sristi, Asst. Prof successfully completed NPTEL-FDP in Pattern Recognition and Application, during July - October 2023.
4. Ms. P. Mary Swetha, Asst. Prof successfully completed NPTEL-FDP in Fundamentals of Artificial Intelligence, during July - October 2023.

WORKSHOPS ATTENDED:

1. Dr. Sowmya Gali, Assoc. Prof, has attended a Workshop on Inculcating Universal Human Values in Technical Education, during 3rd to 07th July 2023, Organized by AICTE, New Delhi.
2. The following faculty attended Workshop on VLSI to system design silicon end to end application approach, during 31st July to 04th August 2023, organized by AICTE Arm Education and STMicroelectronics.
   - Dr. G. Sowmya Galli, Assoc. Prof.,
   - Ms. V. Nagamani,
   - Ms. Bikkili Alekya Himabindu,
   - Ms. Jayamangala Sristi,
   - Ms. Nagella Jyothsna,
   - Ms. P. Mary Swetha,
   - Mr. N. Sreenivasa Rao,
3. Mr. S. Feroz Shah Ahmed, Asst. Prof attended Workshop on PYTHON+MATAB-Based 5G Wireless Technologies Massive MIMO, mm WAVE, NOMA, during 27th to 30th July 2023,

FACULTY PATENTS:

1. Dr. M. V. Subramanyam published a patent entitled IOT BASED SMART LOCKER FOR VEHICLES in September 2023.

FACULTY PUBLICATIONS:

1. Dr.M.V.Subramanyam,et.al, "Hybrid Chamel on Search and Remora Optimization Algorithm-based Dynamic Heterogeneous load balancing clustering protocol for extending the lifetime of wireless sensor networks", Communication Systems, Vol No36,No.17,PP:1-33,2023.
2. Dr. C. Shivnath, et.al, " ASASA: Automatic Selection and Adaption in Sensor Array for Intelligent Artificial Olfaction System " in the Sensor signal processing Vol. 07, No. 09, 2023.
3. Dr. Y. Mallikarjuna Rao, et.al, "Deep learning-based classification of COVID-19 severity using hierarchical deep max out model" in Biomedical Signal Processing and Control ISSN: 1746-8094, 2023.
4. Dr. G. Sowmya, et.al, "Residual Neural Networks for Human Action Recognition from RGB-D Videos" in Journal of Image and Graphics Vol. 11, No. 04, Page No from 343-352, 2023.
5. Mr. S Javid Basha, "A FinFET-based low-power, stable 8T SRAM cell with high yield", AEU-International Journal of Electronics and Communications, ISSN: 1618-0399, 2023.

FACULTY CONFERENCE PUBLICATIONS

➢ **Dr. C. Shivnath, Asst. Prof. has presented a paper in:**
   - " A Machine Learning-Based Disinfectant Type, Concentration, and Usage Monitoring System for Real-World Scenarios " .
   - Air Quality Prediction and Monitoring Using Machine Learning-Based Forecasting Approach "in International Conference in IoT, Communication and Automation Technology (ICICAT), ISBN: 979-8-3503-0283-7.

STUDENT JOURNALS/CONFERENCES:

The followings students published their research articles in **Advanced Engineering Science, Vol.55, Issue No.2 , (ISSN 2096-3246), November, 2023.**
   - N. Vimala published a paper entitled "I DLAU: A SCALABLE DEEP LEARNING ACCELERATOR UNIT ON FPGA "
   - T. Vani published a paper entitled " VLSI DESIGN OF A NOVEL AREA EFFICIENT FIR FILTER DESIGN USING ROBA MULTIPLIER"
   - P. Syed Anjum Thaslim published a paper entitled "EFFICIENT LOW LATENCY SIGNED MULTIPLIERS"
   - G Jayalakshmi published a paper entitled " VERTIX 7 FPGA IMPLEMENTATION"
   - B. Ashok Kumar presented a paper entitled "REVERSAL LOGIC".

STUDENT ACHIEVEMENTS:

1. E. Yaswanth, K.Akhil awarded Second place in PPT Event in the National Level Technical Symposium Technobrain-20K3, which was held on 25.11.2023 at St. John's Engineering College, Yemmiganur.
2. K. Akhil, and P Murthujavali attended a workshop at IEEE HYDERABAD SECTION STUDENT CONGRESS 2023, on 25-November-2023.
3. P Murthujavali Participated in Student activities at UMANG-2K23, on 25-November-2023.
4. R. Harshitha was awarded first place in the Chess Tournament, on 27th October 2023, at TROPHY -2K23.

MOOCS THROUHGH NPTEL:

   - 105 in INTRODUCTION TO THE IOT.
   - 24 in CYBER SECUTIRY AND PRIVACY.
   - 2 in DIGITAL IMAGE PROCESSING.
   - 34 in the FUNDAMENTALS OF AI.
   - 5 in AN INTRODUCTION TO ML.

VIRTUAL INTERNSHIPS:

The following students did Virtual Internship under AICTE – EDUSKILLS from May2023 to July 2023.
   - 41 in AIML,
   - 29 in CYBERSECURITY,
   - 5 in DATA ANALYTICS,
   - 4 in DATA SCIENCES,
   - 25 in EMBEDDED DEVELOPER.
   - 4 in FULL STACK JAVA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
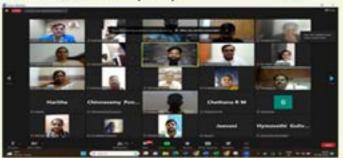
PROGRAMS:

1. THREE DAY TRAINING PROGRAM ON "INTERNET OF THINGS (IOT)"

Conducted from 11th to 13th July, 2023. Mr. Ch. Ravi Teja Testing Engineer Mr. V. Srinivas, Service Engineer, Silicon Touch Technologies, Vijayawada were resource persons.

2. NATIONAL LEVEL ONE WEEK FACULTY DEVELOPMENT PROGRAM ON CLOUD INFRASTRUCTURE (AWS):

Tied up with Brain O Vision Solutions Private Ltd., AICTE and IEEE Student Chapter STB-17901 from 21st to 25th Aug,2023 guided by Mrs. Yasaswi Surabhi.

3. A WEBINAR ON ROLE OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN ROBOTICS

Held in association with IEEE RAS Student branch chapter-17901A on 21st Sept.2023. Mr. S. Sai Lakshman, Software Engineer-III, JP Morgan Chase & Co. Texas acted as a resource person.

4. A WEBINAR ON INDUSTRIAL ROBOTICS

ISTE Student chapter on 17th October 2023. Mr. S. Sai Lakshman, Software Engineer-III, JP Morgan Chase & Co. Texas were resource persons.

5. AN ALUMNI TALK ON "PROBLEM SOLVING SKILLS"

Conducted in association with IE(I) Student chapter on 31-10-2023. Mr. S. Sai Lakshman, Software Engineer-III, JP Morgan Chase & Co. Texas were resource persons for this program.

6. A CAREER GUIDANCE PROGRAM ON HOW TO GET A JOB IN MAANG (META, AMAZON, APPLE, NETFLIX, GOOGLE)

in association with IEEE RAS Student branch chapter-17901A on 31st October 2023. Mr. S. Sai Lakshman, Software Engineer-III, JP Morgan Chase & Co. Texas acted as a resource person.

7. FRESHERS DAY CELEBRATIONS:

Fresher's day on 12th Nov.2023.

8. DEPARTMENT CLUB ACTIVITY

Department club activity on 18th Nov. 2023

FACULTY DEVELOPMENT PROGRAMS:

➢ Mrs.V. Lakshmi Chaitanya attended the following FDs
- FDP on "Machine Learning Algorithms and its Applications" organized by Dep. of CSE, G. Pulla Reddy Engineering College (Autonomous), Kurnool from 10th to 14th July, 2023.
- Online FDP on "Data Science and Its Applications" during 7th – 9th August, 2023, organized by Bapatla Engineering College, Bapatla (Autonomous).

➢ One Week AICTE Training And Learning (ATAL) Academy FDP on Artificial Intelligence from 16th to 21st Oct, 2023. held at Rajeev Gandhi Memorial College of Engineering & Technology. The attendees were:
- Dr. S. Md. Farooq, Professor
- Mr. P. Bhaskar, Asst. Prof.

FACULTY JOURNALS/CONFERENCES:

➢ Mrs.N.Rama Devi, Assoc Prof. Dept. of CSE published a technical paper titled "Residual Neural Networks for Human Action Recognition from RGB-D Videos" in Journal of Image and Graphics , Volume 11,Issue 04, Dec 2023 with ISSN 2301-3699 indexed in Scopus.

WORKSHOPS ATTENDED BY FACULTY:

➢ Mrs. N. Ramadevi, Assoc Prof., participated in Three Week National Level Online Workshop on "Thesis Writing" organized by ESSGEE DIGISKILLS from 30th to 14th Nov, 2023.

➢ The followings faculty members participated in "NVIDIA Jetson Ambassador Workshop" organized by Bangalore office at NVIDIA Graphics India Pvt Ltd from 29th to 01st November.
- Mr. P. Bhaskar, Asst. Prof.
- Mrs. M. Sharmila Devi, Asst. Prof.

CERTIFICATIONS THROUGH NPTEL COURSES:

➢ Mrs. V. Lakshmi Chaitanya has completed courses in the following:

- Fundamentals of AI.
- Introduction to IOT.
- Research methodology.
- Intellectual property rights.

➢ Mrs. M. Sharmila Devi has completed courses in Fundamentals of AI and Cyber security and privacy .

STUDENT ACHIEVEMENTS:

➢ Ms. **CHATLA MANJULA RANI** (21X51A0518) III CSE participated and secured District Level **First prize** and Ms. **SUGALI SAI SUDHA** (22X51A05E1) II CSE secured Mandal level **Second Prize** in STATE LEVEL ESSAY WRITING COMPETITION-2023 organized by SRI SATHYA SAI SEVA SAMITHI on 01-12-2023.

➢ Mr. **N SHARATH CHANDRA REDDY** (21X51A0587) IICSE and Mr. **DONTALA RAKESH** (21X51A0523) III CSE participated and **secured second place** in Nandyal football Association Festive Football Tournament, from 29th- 31st Dec, 2023.

➢ Mr. **CHADUVULA SRINIVASA REDDY** (21X51A0516) III CSE selected in National Level Hand Ball selections held at Pulivendula JNTU College on 31-12-2023.

➢ **INTERNSHIP DETAILS:**
- 179 students have completed AICTE internship
- 8 students have completed APSCHE internship
- 6 students have completed internship in BRAIN O VISION SOLUTIONS PVT.LTD.
- 7 students have completed internship in MNP SOFTWARE SOLUTIONS PVT.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING-DATA SCIENCE

PROGRAMMS CONDUCTED:

1.THREE DAY WORKSHOP & 24 HOUR HACKATHON ON "WEB DEVELOPMENT USING NON CODING TOOLS

Held from 11th to 14th Oct 2023. Mr.V Sai Pavan Technical Head, Brain O Vision Solution India Pvt. Ltd, was the resource person.

2.WEBINAR ON "D IVE INTO THE LATEST TREND SHAPING THE DATA SCIENCE INDUSTRY"

with Arich Infotech on 25-11-2023, Mr Ramesh Babu, 20 year expert speaker in data engineering AIML area, acted as a resource person.

3.FRESHERS CELEBRATIONS ON 13-11-2023.

4.DEPARTMENT CLUB ACTIVITY

Department club activity, Data Crawlers in association with IEEE RAS student branch chapter Technical Quiz, Typing Test, Find the error competition conducted on 21-11-2023.

WORKSHOPS ATTENDED :

1. Mrs.B.Swarajya Lakshmi, Asst. Prof., has attended workshop in "Research Paper Writing Tools: Latex and Overleaf" organized by CBIT, Hyderabad on 19-08-2023.

2. Mrs. S.Sadia Fatima,Asst.Prof,has attended in "AI & Cloud: Workshop on responsive AI in the Cloud: Leveraging Generative power in the Cloud" organized by Tech Saksham, edunet foundation in association with Microsoft SAP&AICTE on 21-08-2023.

STUDENT ACHIEVEMENTS:

1. The following students have participated in One day "Smart India Internal Hackathon" held in Santhiram Engineering College on 21-09-2023
   - K.Harika 20X51A3221.
   - S.Md.Fareed 20X51A3251.
   - S.Ruhul Ameen 20X51A3253.
   - J.Vyshnavi Reddy 22X51A3218.
   - K.Sashi Kalyani 22X51A3222.

2. Mr.S. Ruhul Ameen (Regdno:20X51A3253) has participated in Five day "Dr.Kalam's Legacy Hackathon held in IEEE RAS HYDERABAD from 11-10-2023 to 15-10-2023.

3. 6 students have completed 10 week Internship program from Edu Skills during Sep-23 to Nov-23.(Chorot-6)

4. 74 students from IV-Year & III-Year completed 10 week internship program from Edu Skills in Chorot-

5. K. Shashi Kalyani (22X51A3222) selected for JNTUA-Ball Badminton team for All India Inter University Championship

MOOCS THROUGH SWAYAM NPTEL:

- 34 students have successfully completed the **"Cyber Security and Privacy"** course in **SWAYAM NPTEL** during **July – Oct,2023 (12 Weeks Course)**

VIRTUAL LABS:

- 62 students participated in virtual lab and completed the experiments in "Advanced Data Structure & Algorithms".

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

PROGRAMS CONDUCTED BY THE DEPT:
A THREE DAYS FDP:

Three-Days FDP on Emerging Trends in Teaching Pedagogy was organised by Dept during 01.09.2023 to 3.09.2023, Dr .V Obulesh, Asst Prof, CMR College, Hyderabad was the resource person for this program.

A ONE WEEK ADD-ON COURSE:

- A One-week Add-on course on Production and Stock Management from 06.02.2023 to 11.02.2023 was organized for the students of MBA 2021 batch.
- A One-week Add-on course on Tally for Auditing Financial Statements from 17.01.2023 to 21.01.2023 was organized for the students of MBA 2022 batch.

A ONE DAY Alumni Talks:

A One-day Alumni Talk on **"Technical Collaboration & its Opportunities"** was organized on 10-10-2023 for I & II Sem MBA students. I V Ashok Kumar Reddy, Senior Manager AWS Clouds Solution, Alumni (MBA-2009-11) was the speaker.

A One-day Alumni Talk on **"Career Advancement"** was organized on 03-11-2023 for I & II Sem MBA students. S Younis, Senior Process Analyst Broad ridge Financial Solutions, Alumni (MBA-2018-20) was the speaker.

FACULTY NPTEL COURSES:

Dr C Vindya Vasini has Successfully Completed NPTEL Course entitled **Entrepreneurship** during Jul – Oct, 2023.

STUDENTS'NPTEL COURSES:

19 students of III Sem MBA (2022 batch), have successfully completed NPTEL course titled **Entrepreneurship** during Jul – Oct, 2023, and received ELITE certificate.

INDUSTRIAL VISIT:

A One-day Industrial visit to **"Damodara Oil Mill, Kurnool"** was arranged on **20.07.2023**, for II-Sem MBA students (2022-23).

STUDENTS'PUBLICATIONS:

The Following students published papers in the International Research Journal of Education and Technology, Vol.5 Issue.8, Aug, 2023 with ISSN: 2581-7795.

- P Lavanya, Regd No: 21X51E0011 published paper entitled "A Theoretical Study on Job Satisfaction".
- S Fowziya, Regd No: 21X51E0006 Published paper entitled "A Study on Employee Relationship Management with Reference Virnichi Technologies limited in Hyderabad".
- K Vyshnavi, Regd No: 21X51E0033 Published paper entitled "An Analysis of Working Capital Management Efficiency in Ramya Spinning PVT LTD".

The Following students have published papers in the International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol.3 Issue.8 , Aug 2023 with ISSN: 2583-1062.

- S Nilofar Jahan, Regd No: 21X51E0017 Published paper entitled "Credit Management and Efficiency of Navabharath Industries at Hyderabad".
- E Ruchitha,Regd No: 21X51E0021 Published paper entitled "Fundamental and Technical Analysis of Select Industries".
- M Lakshmi Raju,Regd No: 21X51E0010 Published paper entitled "An A Study on Online Share Trading and Capital Market at Angel Broking at Visakhapatnam".

The Following students published papers in the International Journal of Research and Reviews, Vol.4 Issue.8, Aug 2023 with ISSN: 2582-7421.

- M Shaik shaVali, Regd No: 21X51E0024 Published paper entitled "A Study on Investors Behaviour towards Mutual Fund in India".

The Following students have published papers in International Journal of Research Publication and Reviews ,Vol. 4 Issue no. 8 , Aug 2023 with ISSN: 2582-7421.

- S Vijayakumar, Regd No: 21X51E0032 Published paper entitled "The Impact of Capital Market on the Economic Growth in India".
- B Nandan No: 21X51E0015 Published paper entitled "Investor Awareness on Investment Securities".

The Following students have published papers in International Research Journal of Education and Technology Vol. 5 Issue.9, Aug 2023 with ISSN: 2581-7795.

- G Ranga Srujana, Regd No: 21X51E0020 Published paper entitled "Risk Return Management in Indian Stock Market".
- B Satish No: 21X51E0023 Published paper entitled "Role of Depository System Growth In HDFC Bank".

The Following students published papers in International Journal of Scientific Research and Engineering Development Vol. 6 Issue. 5, Aug 2023 with ISSN: 2581-7175.

- M Surendra,Regd No: 21X51E0028 Published paper entitled "A Study on Work Life Balance with Reference Retail Industry in India".
- Y Venkateswara Reddy No: 21X51E0031 Published paper entitled "A Study on Security Analysis and Portfolio Management".
- S SwarnaLatha,Regd No: 21X51E0030 Published paper entitled "A Comparative Study on Financial performance Using Ration Analysis".
- T Govardhan No: Regd No: 21X51E0031 Published paper entitled "A Study on fixed Assets Management at Vijai Electrical Limited, Hyderabad".

The Following students published papers in International Journal for Research & Development in Technology Vol. 20 Issue. 3, Aug 2023 with ISSN: 2349-3585.

- U Rama Mohan, Regd No: 21X51E0018 Published paper entitled "Trading Performance of Select Stocks in India Stock Market".
- L Bali Reddy Regd No: 21X51E0004 Published paper entitled "A Study on Customer Satisfaction WRT Logistics Firm".
- S Khaja Noor,Regd No: 21X51E0008 Published paper entitled A Study on Financial Performance of Cement Industries at Ultra Tech Cements Tadipatri Andhra Pradesh".

The Following students published papers in International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol.3Issue .9, Aug 2023 with ISSN: 2583-1062.

- P Anil Kumar Reddy Regd No: 21X51E0002 Published paper entitled "A Study on Asset and Liabilities Management at HDFC Bank, Kakinada".

The Following students published papers International Research Journal of Modernization in Engineering Technology and Science,Vol. 5 Issue. 9, Aug 2023 with ISSN: 2582-5208.

- P Manoj kumar Reddy Regd No: 21X51E0013 Published paper entitled "a Study on Investment Strategy on Mutual Funds at ICICI Bank LTD, Hyderabad".
- N Ramya, Reg No: 21X51E0019 Published paper entitled "A Theoretical Study on Designing of Training and Development".

FDPs ATTENDED BY THE FACULTY:

- **Dr. A. K. Neeraja Rani, HOD-MBA**, attended the following programs:
  - Two-Weeks FDP on Entrepreneurship during 03.08.2023 to 17.08.202 organized by Galgotlas University, Grater Noida,UP .
  - One-Week FDP on Outcome Based Education for Effective Learning And Teaching on 19.07.2023 to 27.07.2023 organized by AMET University, New Delhi.
  - One Weeks FDP on Innovative Teaching and Learning Pedagogies during 04.10.2023 to 11.10.2023 organized by Sathyabama Institute of Science & Technology, Chennai.

- **Dr .C. Vindhya Vasini, Assoc Prof**, attended the following programs:
  - Five-Days FDP on Business Analytics Through SPSS during 10.10.2023 to 14.10.2023, organised by Ashoka womens Engineering College Autonomous, Kurnool
  - One-day FDP on Data Analysis and Interpretation Using SPSSduring 16.12.2023, organised by Kongu Engineering College, Tamilnadu.

- **Dr. Maddileti .K, Asst Prof**, attended a One-Day FDP on Academic Excellence during 04.11.2023 organized by GITAM School of Business, Bengaluru.

- **S Md Ershad, Asst Prof**, attended a Four-Days FDP on Business Analytics through SPSS during 10.10.2023 to 14.10.2023 organized by Ashoka Women Engineering College, Kurnool.

- **A V Viswanath, Asst Prof**, attended a One-Week FDP on Teaching Pedagogy during 27.11.2023 to 01.12.2023 organized by International Institute of Business Studies, Bangalore.

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

PROGRAMS CONDUCTED BY THE DEPT:

1) ONE-DAY ORIENTATION PROGRAM Held on 20th Sept, 2023. Distinguished as the chief guest, Er.M.Sivaram garu, MD, Santhiram Group of Institutions graced the occasion with his presence.

2) A ONE-DAY INDUSTRIAL VISIT "SPROUTS ENERGY PVT LTD, MITTAKANDALA (V), PAMULA PADU (M), KURNOOL".

Organised on 30.11.2023. Mr. Shaik Irfan Basha, Assistant Engineer/General explained the power plant operation and section functionalities. Mr. E.Lokesh, Asst. Prof., coordinated the program.

3) ONE-DAY PROGRAM "GEETHA 4 YOUTH"

On 07th Dec.,2023 was Conducted. The resource person was Hari Jahnudvipa Nitai Das, Iskcon. Program initiated the importance of "sthithaprajna". Mr.A.G.Venkateswarlu, Asst. Prof., coordinated.

4) A THREE DAY PROGRAM ON "YOGA FOR YOUTH"

on ftrom 19th to 21st December, 2023 . Trained by Shri G.Damodara Kumar Reddy (Yoga Master in YCT, Nandyal) He demostrated Pranayama, Asana, Kriyas. Mr. K.Ramesh, Asst. Prof. coordinated.

PROGRAMS ATTENDED BY THE FACULTY:

1. **Dr. B.Haritha**, Assoc Prof, participated in the A Five-day FDP on "Mathematics in Real, Applied and Computational Domains" Organized by Dept. of Mathematics, School of S&H, Sathyabama Institute of Science and Technology, Chennai from 03rd to 08th July, 2023.

2. The following participated in the **A Five-day FDP on "Cloud Infrastructure (AWS)"** Organized by Dept of CSE, Santhiram Engineering College, Nandyal from 21st to 25th August, 2023.
   - Dr. B.Elijabetthamma, Assoc Prof,
   - Mrs. P.Lavanya, Asst Prof.,
   - Mr. S.Chand Basha, Asst Prof.

3. **Mrs. P.Lavanya**, Asst Prof, Participated in following FDPs, workshops and conferences:
   - **A Seven-day FDP on "Recent Trends in English Studies"** Organized by Nazareth Margoschis College at Pillaiyanmanai, from 23rd to 29th Nov, 2023.
   - **An Eight-day FDP on "Research Methodology using ChatGPT & AI tools and Funding Opportunities for Research"** Organized by PG Dept. of Computer Applications, Marian College Kuttikanam (Autonomous) from 23rd to 01st Dec, 2023.
   - **A Six-day Workshop on "Art of Designing Question Paper on English Language Skills and Literary Texts"** Organized by the Dept. of English, Vardhaman College of Engineering Hyderabad from 21st to 26th Sept, 2023.
   - **A National Seminar on "Narratives of convergence"** Organized by PSG College of Arts and Sciences, Affiliated to Bharatiyar University, Coimbatore held on 04.08.2023.

FACULTY PUBLICATIONS:

- **Dr. A. Sivakameswara kumar, Assoc Prof,** Department of Mathematics published a paper titled **"Generalized -Revrse Derivations in non-ideal on Prime Rings"** and was published Propulsion Technology Vol. 44, Page No. 2087-2098, 2023 ISSN: 1001-4055.

- **P. Lavanya, Asst Prof,** Dept. of English published two papers titled
  - **"Threads of Destiny and Choices of the Heart: Empowered Women Shaping fate in Shakespearean Drama"** Page No. 47-56,
  - **"Mahashweta', 'Gently Falls The Bakulla,' and 'House of Cards: A Study In A Fragile Marriage' by Sudha Murthy"** Page No. 157-161, ISBN: 978-81-965809-9-5 in a conference, "Revisiting Shakespeare In The Milliennium" organized by KSR College of Arts and Sciences, Affiliated to Periyar University, Tamilnadu.

STUDENT ACHIEVEMENT:

K. Mahitha Manasa of I CSE A bagged first prize in **Poetry Recitation** competition "Sonnet on emotions" on 30th Nov, 2023 conducted by **English Club.**

ARTS & CULTURAL

Cultural activities in college are vital for holistic student development, nurturing diversity appreciation, enhancing interpersonal skills, and creating a vibrant campus community. Sri Krishnashtami Celebrations promoted self-expression, teamwork, and a global perspective, enriching the overall college experience.

1. "Krishna Kreeda" : Krishnashtami celebrations on 06/09/23 Celebrating the supremacy of love over all emotions.

DANCE PERFORMANCE BY STUDENTS

2. The students of SREC participated in the District Level Youth Festival on 14-09-2023, at PSC&KVSC Government Degree College Nandyal.

STUDENTS PERFORMING AT THE EVENT

RITUAL OF POT BREAKING BY STUDENTS A "KRISHNA LEELA"

Prize winners of Photography Contest in 'Nandyal District Youth Festival.'

3. Marking the Victory of Good Over Evil By Celebrating The Festival Of Lights Diwali

ENTHUSIASTIC PARTICIPATION BY PRINCIPAL AND FACULTY

STUDENTS AND FACULTY LIGHTING THE DIYAS

NSS UNIT & SREC COLLEGE CLUBS

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 on Government Schemes:

Awareness Program on Government Schemes was organized on **26th July 2023**.

2. Veeron Ko Vandan – Meri Mati Mera Desh:

on **15th August 2023** by honoured retired Armed Personnel and gained inspiration by his biography.

3. Blood Donation Camp on Police Commemoration Day:

Blood Donation Camp organized on **Police Commemoration Day** on **28th October 2023** at Superintendent of Police Office Nandyal.

4. National Unity Day (Rashtriya Ekta Diwas):

National Unity day (Rashtriya Ekta Diwas) on **31st October, 2023**, celebrated to commemorate the birth anniversary of Sardar Vallabhbhai Patel.

5. Fit India Week:

Fit India week from **20th - 24th November 2023** at SREC. Tournaments in Football, Volleyball, Kabaddi were held.

CAMPUS CRUSADERS: SREC CLUBS

SREC College Clubs were inaugurated on 1st November, 2023, ensuring skill enhancement and personal growth. 6 various clubs are run by Student organizers paving way to their leadership skill development.

Verbal Voyagers	: P. Himaja III CSE
Algorithm Alchemist	: M. Prashanth III CSE
Prancing Pearls	: M. Poojitha II ECE
Tech Hawks	: T. Rakshitha III ECE
Cinematography Club	: S.Mouli Vardhan III ECE

CAMPUS CRUSADERS: Clubs LOGO unleash

Poetry recitation Prize winner in English Club, k. Mahita Manasa.

Cinematography Club Event Photo Shoot of My campus.

CAREER DEVELOPMENT CELL & PLACEMENT CELL

1. One Week Certification Program on "Essentials of C Language for Software Development" was held during 04th To 09th Sept., 2023 in association with Industry partner SMART India, IEEE, ISTE, IE(I), IQAC & all Engineering Depts. **Mr Prince, Mr Satish and Mr Karthik** from SMART Institute acted as resource persons for this program.

2. One Week Workshop on Python Full Stack Held in Association with Brain-O-Vision and ISTE Student Chapter from 16th -19th Oct 2023

3. A Three-Day Workshop On "Innovation on Industrial IoT and Automation Workshop Program Conducted From November 23rd –25th Silicon Touch Technologies (STT) Vijayawada.

4. One Week Certificate Program on "Learning Advanced Java Programming" held 11th To 19th Sept., 2023 resourced by Industry Partner SMART India, IEEE, ISTE, IE(I), IQAC. **Mr Prince, Mr Satish and Mr Karthik** from SMART Institute acted as resource persons for this program.

5. One Week Certificate Program "Learning C Programming For Application Development" , Held From 06th To 11th Nov., 2023, In Association With Industry Partner Top Freshers (TERV), IEEE, ISTE, IE(I). **Mr Harihara, Mr Suraj, Dr Rajesh** from TOP Freshers (TERV) acted as resource persons for this program.

6. One Day "Awareness Program on Higher Education" on 30-11-2023 in Association with Industry partner IVY-Overseas (HYD), IEEE, ISTE, IE(I), IQAC & all Engineering Depts., resourced by Mr Shiva Shankar, Mr Hemanth from IVY-Overseas

7. One Week Training Program On "Learning Advanced JAVA Programming" Resourced By From 14th To 19th Nov-2023 In Association With Industry Partner TOP Freshers (TERV), IEEE, ISTE, IE(I). **Mr Harihara Mr Suraj, Dr Rajesh from** TOP Freshers (TERV) acted as resource persons for this program.

8. Ms. Lakshmi Saraswati from ECE got placed in Micron solutions, Hyderabad with a package of 16.2LPA.

SPORTS AND GAMES

Sports hold a significant place in offering a blend of competition , human achievemnet and societal impact. SREC emphasises on Sports and Games as gives internal strength besides strong body buildup to face any challenging situation. Volleyball (Men), Kabbadi, Chess Competitions and Cricket tournaments were organized in the months of August, November and December at SREC Grounds.

INTER- COLLEGE CHAMPIONSHIPS

RGM Football League (Men) on 05th October 2023 at RGMCET, Nandyal.

R. Harshita of IV ECE, selected for JNTUA Inter University Chess championship conducted on 4th November 2023 at AITS Rajampet.

B. Namrutha of III EEE, selected for APFA Senior Women Inter District Championship 2023 conducted on 28th October 2023 at Kurnool.

Selections into JNTUA Ball badminton Championship held on 8th November 2023 at AITS Rajampet.

R. Harshita of IV ECE, selected for JNTUA Inter University Chess selections (Men & Women) conducted on 28th October 2023 at Ramireddy Subbarami Reddy Engineering College, Nellore.

C. Sreeinivasa Reddy of III CSE, selected for JNTUA Inter University Handball championship conducted on 31st December 2023 at JNTUACEP, Pulivendula.

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ONE DAY ORIENTATION PROGRAM

For First Year Students of 2023-2024 batch

Graced by the presence of Er.M.Sivaram garu, Managing Director, Santhiram Group of Institutions.

The occasion is meant for an impactful interaction of the fresh batch and introducing them to the college. On this occasion all the students who have shown exceptional merit in academics and faculty who strived for meritorious result of 100% and published papers as a part of Academic progress were rewarded .

INAUGURAL CEREMONY

KEY NOTE ADDRESS by Er. M.SHIVARAM GARU

REWARDS FOR EXCEPTIONAL RESULTS FOR
A.Y 2022-2023 FOR CSE

REWARDED FOR PIUBLICATION IN INDXEXED
JOURNAL

REWARDED FOR PUBLICATION IN INDEXED
JOURNAL

APPRECIATED AND REWARDED FOR
MERITORIOIUS 100% RESULTS

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MEDIA GLIMPSES OF THE COLLEGE EVENTS AND ACHIEVEMENTS

Media covers college events for their impact on community, academics, sports, and culture, shaping reputation and sparking debate.

Selections in Inter State Chess Championship

Second Prize In Football Competition

Selections into National Football Competition

Selections into JNTU Football Team

Introducing AIML

Second Prize In National Techno ICAL Fest

First Prize in District Level Essay Writing Competition

Selections Into JNTU Handball Team

REMARKABLE ACHIEVEMENTS

We are thrilled to share the remarkable achievements attained by our college through concerted efforts and unwavering dedication. It is with immense pride that we showcase the milestones we have reached. The entire credit goes to the collaborative spirit and commitment of our faculty, staff, and students.

Completing virtual internships is a commendable achievement, showcasing our adaptability and commitment to professional growth despite challenges. SREC awarded with All India Rank 22nd by AICTE-Eduskills Virtual Internship Annual Ranking 2023.

SANTHIRAM ENGINEERING COLLEGE is awarded the BEST PERFORMING INSTITUTE 2023 for outstanding performance in SS&C blue prism by Eduskills Connect 2023.

ASIA BOOK OF RECORDS for
Highest number of Virtual Internships

Received 3.5 Staring from
Institution's Innovation Council (IIC) for
conducting various activities in the college

NEWSLETTER

2023

SANTHIRAM ENGINEERING COLLEGE, NANDYAL (AUTONOMOUS)

Highlights of the college:

1) Received Autonomous status by UGC, New Delhi, for 10 years from the Academic Year 2023-24 onwards.

2) Accredited by NBA for the Department of ECE & Department of CSE.

3) Received Permanent affiliation from "JNTUA, Ananthapuramu" for 5 years in the year 2015.

4) Received "Certificate of Appreciation" from HCL in the year 2012.

5) Listed as one of the Best Engineering College with AA Grade in the year 2013 and also one of the 1000 Best Engineering Colleges in India ranked by Careers 360.

6) Received ISO 9001:2015 certificate for all the UG and PG courses.

7) Recognition of the college under section 2(f) & 12(B) by UGC Act, 1956 in 2013.

8) Bagged Gold Medal in the Dept of IT in the Academic year 2013-14 and one more Gold Medal in the Dept of EEE in the AY 2015-16.

9) Received the award of "Best Fastest Growing Engineering College in Andhra Pradesh" from Global Education Excellence Awards-2014 at New Delhi

10) Received around 33.1 Lakhsworth of funding projects under various schemes of UGC, AICTE, IEEE, IE and etc.

11) SIX Patent granted (International & National level), SIX patents were approved under AICTE-KAPILA Scheme and 44 patents were published by the faculty of SREC.

12) The following students received PRATHIBHA AWARDS for their excellence in academics:
- Two students from the Dept of EEE in the year 2015
- One students from the Dept of EEE and one more from M.Tech in the year of 2017
- Three students from the Dept of MBA and one from ME in the year 2018
- One students from the Dept of MBA in year 2019

13) Mr.Mummadi Naveen Kumar Reddy (15X51A0549) participated and won GOLD MEDAL in the 3rd Heroes Taekwondo International Championship conducted by Bangkok ThamburiUniveristy, Bangkok, Thailand on 5th August 2017.

14) Recognized in GOLD CATEGORY by AICTE-CII Survey for the years 2017 & 2018 and also in PLATINUM CATEGORY in the year 2020.

15) Accredited by NAAC with Grade-A (3.2 score) in the year 2022.

16) Recognized as Q-Mentor college by APSCHE, for guiding HEIs for accreditation.

17) Listed as one of the Best Engineering Colleges with AA+ Grade by Career 360 in the year 2023.

ABOUT INSTITUTION :

Santhiram Engineering College (Autonomous) is sponsored by M/s Sri ShirdiSai Educational Academy, Nandyal. SREC is established under the able guidance of Dr. M. Santhiramudu, Chairman, in the year 2007 with a noble motto "Education for Peace and Progress".

Dr.M.Santhiramudu
Chairman

Mr.M.Sivaram
Managing Director

Dr.M.V.Subramanyam
Principal