

Principal, SRET | Date: 1st December 2022

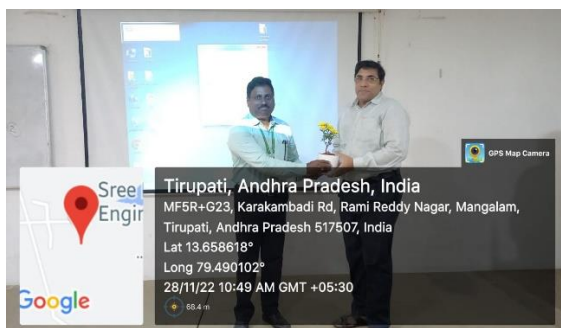
JNTUA – Monthly report of Activities –
Submission of information to Governor’s office – Data requested

Email : principal.4c@jntua.ac.in
Name of the College : Sree Rama Engineering College
College Code : 4C
District : Tirupati

1. Introductory remarks of the Month:

For the month of November 2022, Sree Rama Engineering College has conducted the following activities

- Four seminars, Four guest lectures and Five expert lectures
- Nine workshops and one value added course
- Three student support activities
- Two NSS activities
- Six students placed in TECH MAHINDRA with 3.25 LPA
- Dr. K.Jayachandra Professor of Civil Engineering department, published ONE paper in UGC care list journal (Annexure-II).
- Mr. V.Lokesh, Assistant Professor of Civil Engineering department, published TWO papers in UGC care list journal (Annexure-II).
- Ms. T. Greeshma, Assistant Professor of Civil Engineering department, published THREE papers in UGC care list journal (Annexure-II).
- Ms. Y. Venkata Sai, Assistant Professor of Civil Engineering department, published TWO papers in UGC care list journal (Annexure-II).
- Mr. G. Akhil, Assistant Professor of Civil Engineering department, published ONE paper in UGC care list journal (Annexure-II).



Dr. K. Jaya Chandra, Principal of SREC was inviting Dr Venkata Ramana Badarla, Associate Professor, IIT Tirupati for Guest lecture on Concepts of Computer Networks



Dr. K. Jaya Chandra, Principal of SREC is felicitating Dr. Sridhar Chimalakonda, Associate Professor, IIT Tirupati



Dr E. Murali, Associate Professor, SIST, Puttur is delivering talk on software testing & its life cycle



Prize distribution for winners in Programming quiz competition



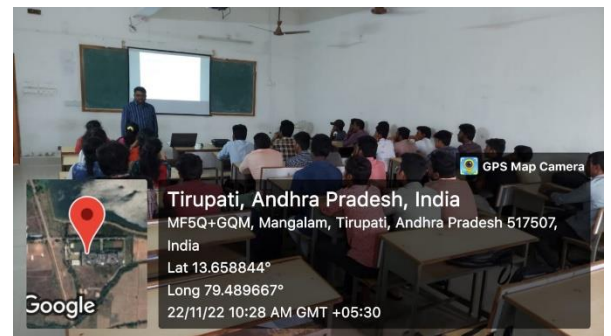
One Day Workshop on IOT(Internet of Things) in Collaboration with Coding Studio Bangalore



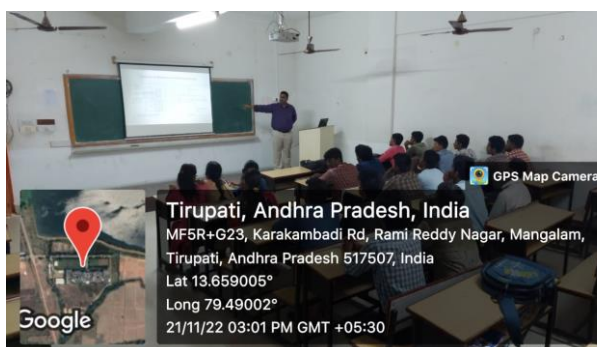
A session in one day workshop on Digital banking system



Dr. G. Harikrishnan is illustrating the interfacing of object sensor with Arduino Uno



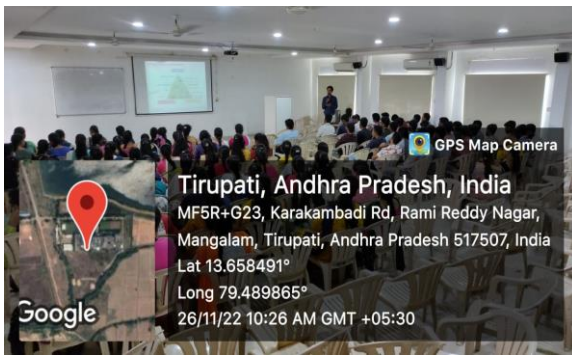
Dr. K. Leledhar Rao from MBU University is delivering lecture on energy auditing & Management systems



Expert lecture on Design and Estimation of Electrical Systems



Dr. D. Sudha Rani, Assoc. Professor of ECE from SVCE is delivering a lecture on "Analog Electronic Circuits"



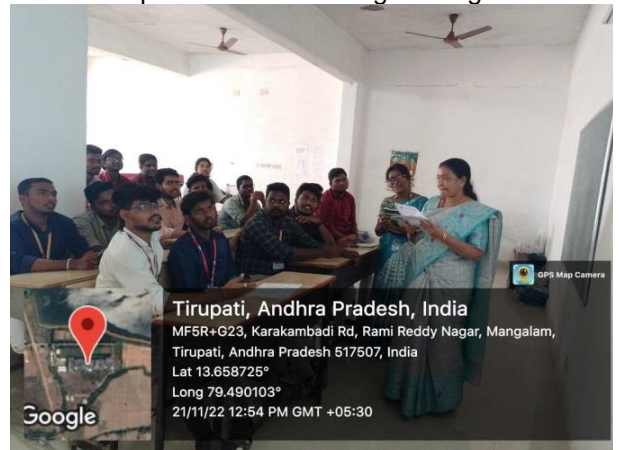
An Expert lecture on “Advanced 5G communication” by Dr. K.P. Naveen, Asst. Professor (Grade1) from IIT Tirupati



Prize distribution ceremony for Poster Presentation on “Earthquake Resistance Technologies in Construction” organized by department of Civil Engineering



An Expert Lecture on “Research Methodology” organized by department of Mechanical Engineering



Technical quiz competition organized by department of Mechanical Engineering



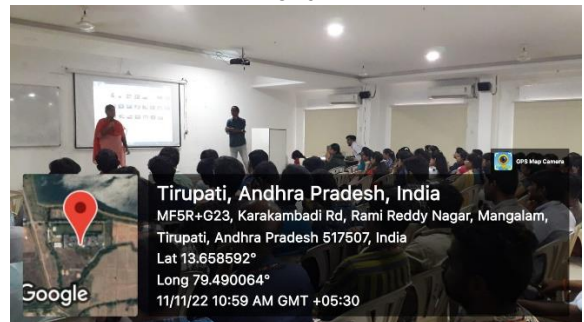
Mr. K. Ashok Kumar is delivering a talk on Entrepreneurship Opportunity in India



Mr. K. Ashok Kumar is delivering a talk on Generation and Circulation of Currency in the world



Ms. Saritha is delivering a talk on management principles in Mahabharat



Training program on Verbal Communication



A Lecture on "India: The Mother of Democracy" on National Constitution day



An Awareness program on Laws in India against sexual harassment

2. Number of National Conferences/Seminars organized with details:

| S. No. | Name of the conference/seminar | Dates | Target audience | No. of participants | purpose |
|--------|---|------------|-----------------|---------------------|--|
| 1. | An Guest Lecture on "Concepts of Computer Networks" organized by department of CSE under Computer Society of India association | 28.22.2022 | III CSE | 117 | The Goals of Computer Networking program: Prepares students to develop implement and manage computer networking systems within an organization. Ability to implement best practices solutions for network implementation |
| 2. | A Expert Talk on "software testing & its life cycle" organized by department of CSE under Computer Society of India association | 26.11.2022 | IV CSE | 124 | Software Testing Life Cycle (STLC) is a process used to test software and ensure that quality standards are met. |
| 3. | An Guest Lecture on "Trends in Artificial Intelligence and Software Engineering" organized by department of CSE under Computer Society of India association | 25.11.2022 | III CSE | 131 | Artificial intelligence (AI) makes it possible for machines to learn from experience, adjust to new inputs and perform humanlike tasks. |
| 4. | A Seminar on "Universal Human Values" organized by department of CSE under Computer Society of India association | 18.11.2022 | II CSE | 145 | The objective of this seminar is to help the student to see the need for developing a holistic perspective of life |
| 5. | A Seminar on "Organizational Behaviour" organized by department of CSE under Computer Society of India association | 12.11.2022 | IV CSE | 134 | The goal of this seminar is to provide students with a deeper understanding of why people engage in specific behaviours at work |
| 6. | A Seminar On Leadership Objectives For Managerial Skills organized by department of BS&H under ISTE student chapter | 29.11.2022 | 120 | 110 | to develop leadership qualities and managing skills in a group or in an organization of a student |
| 7. | A Guest Lecture On Matrix Applications In Engineering organized by department of BS&H | 17.11.2022 | 120 | 105 | to get knowledge on matrices and applications of |

| S. No. | Name of the conference/seminar | Dates | Target audience | No. of participants | purpose |
|--------|---|------------|--|---------------------|---|
| | under ISTE student chapter | | | | matrices in engineering subjects |
| 8. | A guest lecture on "Analog Electronic Circuits" organized by department of ECE under IEEE student branch and IETE association | 17.11.2022 | II ECE | 100 | Analog electronic circuits covers both BJT based circuits and MOSFET based circuits and their performance at low frequencies and high frequencies. |
| 9. | A Expert lecture on "Advanced 5G communication" organized by department of ECE under IEEE student branch and IETE association | 26.11.2022 | III ECE | 150 | Advanced 5G Communication is used for mobile communication and high speed data communications. The technology is used for autonomous cars, smart watches, Virtual Reality and Augmented reality. |
| 10. | A Seminar on Leadership Development for Managerial Excellence organized by MBA department | 19.11.2022 | I AND II MBA AND II B.TECH ECE | | The objective of this seminar is to inculcate the leadership qualities required for students |
| 11. | An Expert Lecture on "Retrofitting and Rehabilitation of Structures" Under ISET | 30.11.2022 | III,IV B.Tech CE | 35 | The Students will be able to Learn the, Retrofitting is the method of modifying or repairing something after it has been manufactured. Retrofitting work includes changing or repairing the structure system of a building after its construction and occupation. This work result in increased safety and durability of the structure. |
| 12. | An Expert lecture on "Research Methodology" organized by department of Mechanical Engineering | 09.11.2022 | III year & IV year B.Tech. mechanical students | 16 | The objective of this lecture is to explain the plan behind to approach the research |
| 13. | An expert lecture on "Design and Estimation of Electrical Systems" organized by department of EEE under IEEE student branch | 21.11.2022 | II & III B.Tech. EEE | 52 | The objective of this lecture is to <ul style="list-style-type: none"> • know the necessary material and the cost to be incurred before starting the project. • ensure all the materials required for the execution of the project. • avoid the misuse of money. |

| S. No. | Name of the conference/seminar | Dates | Target audience | No. of participants | purpose |
|--------|--------------------------------|-------|-----------------|---------------------|---|
| | | | | | <ul style="list-style-type: none"> save time required for completion of the project. complete the project un-interruptedly. |

3. Number of International Conferences/ Seminars organized with details:

.NIL.

4. Activities related to Governance:

.NIL.

5. Number of training programs/ workshops organized during this month with details in brief:

| S. No. | Name of the Training programs. workshops | Date(s) | Target audience | No. of participants | Purpose |
|--------|---|--------------------------|-----------------------------|---------------------|---|
| 1. | A One Day Workshop on IOT(Internet of Things) in Collaboration with Coding Studio organized by department of CSE under Computer Society of India | 19.11.2022 | IV CSE | 154 | By learning the inter-connection and data exchange, Students can create their own IoT Networks with connected devices and can access it from anywhere in the world. |
| 2. | A Workshop On Digital Banking System organized by department of BS&H under ISTE student chapter | 16.11.2022 | I B.Tech ECE, EEE and Civil | 165 | The objective of this workshop is to get awareness on digital banking system, fraud alters, net banking system etc. |
| 3. | A Value Added Course On Business English & Career Skills organized by department of BS&H under ISTE student chapter | 07.11.2022 to 12.11.2022 | I B.Tech CSE and AI&DS | 185 | The objective of this course is to develop the student skills in all areas like understanding, data analysis, leadership, decision making, effective communication etc. |
| 4. | A two day online workshop on Radar and its applications in remote sensing organized by department of ECE under IEEE student branch and IETE association | 14.11.2022 to 15.11.2022 | IV ECE | 90 | The objective of this workshop: Students are able to learn about various antennas, RADAR's, and satellite image processing in ERDARS software. |

| S. No. | Name of the Training programs. workshops | Date(s) | Target audience | No. of participants | Purpose |
|--------|--|---------------------------------|--|---------------------|---|
| 5. | A One day workshop on Universal Human values organized by department of MBA | 21.11.2022 | II B. Tech ECE | 185 | The objective of this workshop is to inculcate values and ethics for the students in society |
| 6. | A one day workshop on learning principles of Management from Mahabharat organized by department of MBA | 25.11.2022 | I MBA, II MBA, II B. Tech EEE, Civil and III B.Tech Mech | 190 | The objective of this workshop is to illustrate the management principles from Mahabharat. |
| 7. | A two day workshop on "Basic Electrical Application Design Using Arduino Uno" organized by department of EEE under IEEE student branch | 18.11.2022 and 19.11.2022 | III & IV B.Tech. EEE | 65 | The main objective of this workshop is to → Create awareness on architecture, programming of Arduino Uno and Arduino IDE software. → Inculcate the design procedure and interfacing of analog and digital sensors for various applications. → Design an interface to embedded systems using real time sensors with Arduino |
| 8. | A three day workshop on "Energy Auditing and Management Practices" organized by department of EEE under IEEE student branch | 22.11.2022 to 24.11.2022 | III & IV B.Tech. EEE | 65 | The main objective of this workshop is to impart awareness on: → Current energy scenario and need for energy management and audit. → Understanding energy management and audit, and to setup skill set for effective energy management and bench marking. → Transforming conventional technology to energy efficient technologies. |
| 9. | A one day workshop on Entrepreneurship Opportunity in India organized by MBA department | 12.11.2022 | I & II MBA and II B.TECH | 200 | The objective of this workshop is to create awareness on business opportunities for young generation in India. |

| S. No. | Name of the Training programs. workshops | Date(s) | Target audience | No. of participants | Purpose |
|--------|---|------------|-----------------|---------------------|--|
| 10. | A one day workshop on Generation and Circulation of Currency in the world organized by MBA department | 15.11.2022 | I & II MBA | 75 | The main objective of this workshop is to create awareness on the various sources for generating capital to start the business |

6. Number of FDPs organized during this month with details in brief:

.NIL.

7. Number of Co-curricular activities conducted with details in brief:

| S. No. | Name of the Co-curricular Activities | Dates | Target audience | No. of participants | Purpose |
|--------|--|------------|---|---------------------|---|
| 1. | A Programming Quiz on "PYTHON PROGRAMMING" organized by department of CSE under Computer Society of India | 10.11.2022 | II CSE | 175 | Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis. |
| 2. | A Poster Presentation on "Earthquake Resistance Technologies in Construction" organized by department of Civil Engineering under ISET. | 28.11.2022 | III,IV B.Tech | 35 | The Students will be able to Learn the, withstand collapse, buildings must redistribute forces that travel through them during a seismic event. Shear walls, cross braces, diaphragms and moment.resisting frames are central to reinforcing a building. Shear walls are a useful building technology that can help transfer earthquake forces. |
| 3. | A Technical Quiz organized by department of Mechanical Engineering | 21.11.2022 | III year & IV year B.Tech Mechanical Students | 14 | The objective of this competition is to develop the interest in subject areas of mechanical engineering |

8. Number of NSS/NCC/Service programmes organized with details in brief:

| S.No. | Name of the NSS/ Service Activities | Dates | Target audience | No. of participants | Purpose |
|-------|--|------------|-----------------|---------------------|--|
| 1. | A Lecture on "India: The Mother of Constitution" organized by NSS unit of SREC, Tirupati | 26.11.2022 | IV B.Tech | 325 | On the Occasion of National Constitution day, the NSS unit of SREC conducted a lecture to create awareness on significance of constitution |

| | | | | | |
|----|---|------------|------------|-----|---|
| 2. | An Awareness program on Laws in India against sexual harassment | 25.11.2022 | III B.Tech | 265 | On the Occasion of International day for the elimination of violence against women, the NSS unit of SREC conducted an awareness program to inculcate the laws against sexual harassment |
|----|---|------------|------------|-----|---|

9. Research activities conducted with details in brief:

-NIL-

10. Research projects sanctioned in this month:

-NIL-

11. Research projects completed in this month:

-NIL-

12. Number of Research publications (National/International Journals) in this month with details as per standard format:

- i. B. Manasa, M.Hemalatha, "A Cloud based Health Monitoring System using Aurdino", JETIR, Vol. 9, Issue 11, pp. 128-135, Nov 2022, ISSN: 2349-5162.
- ii. K.Jayachandra, V.Lokesh, G.Akhil, "An Experimental Investigation On The Properties Of Concrete By Partial Replacement Of Cement With Silica Fume And Fine Aggregate With Quarry Dust", International Journal of Enhanced Research in Science, Technology & Engineering, ISSN: 2319-7463, Vol. 11 Issue 11, November.2022, Impact Factor: 7.957.
- iii. B Thulasi Ram, Thota Greeshma , Venkatesh C, "An Experimental Investigation on Mechanical Properties of Steel Fiber Reinforced Concrete with Mineral Admixtures". International Journal of Enhanced Research in Science, Technology & Engineering ISSN: 2319-7463, Vol. 11 Issue 11, November 2022, Impact Factor: 7.957.
- iv. T. Greeshma , Y. Venkata Sai , N.Sai Santhoshi," A Study of Acid Resistance of Concrete By Using Mineral Admixtures". International Journal of Enhanced Research in Science, Technology & Engineering, ISSN: 2319-7463, Vol. 11 Issue 11, November-2022, Impact Factor: 7.957.
- v. Y. Venkata Sai, T. Greeshma , C. Ashok Kumar," Investigation on the use of Waste Type Rubber piece in The Prodection of Light Weight Concrete". International Journal of Enhanced Research in Science, Technology & Engineering, ISSN: 2319-7463, Vol. 11 Issue 11, November.2022, Impact Factor: 7.957.
- vi. V. Lokesh, Y. Venkata Sai, M. Venu Gopal Reddy," Experimental Study on Strength and Durability of High Strength Recycled Aggregate Concrete". International Journal of Enhanced Research in Science, Technology & Engineering, ISSN: 2319-7463, Vol. 11 Issue 11, November.2022, Impact Factor: 7.957.

13. Number of Research publications (National, International conferences) in this month with details as per standard format:

.NIL.

14. Number of Books, Book chapters published in this month with details as per standard format:

.NIL.

15. Number of patents published in this month with details as per standard format:

.NIL.

16. Students support activities (provide details of any initiatives taken during this month):

| S.No. | Name of the students support Activities | dates | Target audience | No. of participants | purpose |
|--------------|--|--------------------------------|------------------------|----------------------------|---|
| 1 | A training program on Verbal communication | 09.11.2022 to 11.11.2022 | IV Years | 250 | The objective of this activity is to make the students to clearly communicate and present their ideas in presentations, meetings and reports. |
| 2 | | 14.11.2022 to 18.11.2022 | II Years | 350 | |
| 3 | | 21.11.2022 to 25.11.2022 | III Years | 300 | |

17. Number of extension/community oriented activities (provide details of activities conducted during this month in brief):

.NIL.

18. Creative & Innovative initiatives in curriculum, teaching learning practices, student evaluation, student progression etc., (provide details of any initiatives taken during this month in brief):

.NIL.

19. Awards & Recognitions (mention only state/national/international level of recognitions with details in brief):

.NIL.

20. Projects initiated or completed (only at state/national/international level):

.NIL.

21. Any other remarks/suggestions:

.NIL.