# Criterion III – Research, Innovations and Extension

| Metric No. | Key Indicator - 3.1 Promotion of Research and Facilities |
|---|---|
| **3.1.1**<br><br>**Q₁M** | ***The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented***<br><br>Research and Development is an integral part of the academic activities of Malla Reddy College of Engineering and Technology. MRCET R&D cell is one of the wings of the Institute which facilitates, channelizes, records, and regulates all the academic, sponsored, collaborative research projects and consultancy works in the Institute. In a world increasingly propelled by technology, academic research forms the mainspring of a nation's economic growth. MRCET R&D cell aspires to transform the lives of young budding engineers, research scholars and faculty through their innovative ideas to contribute for research at academic level. MRCET R&D cell is closely working with core industries to train the students in this direction. The key goal of the Institute is to provide a creative atmosphere in which higher studies and research thrive amongst the faculty and students. It also promotes and manages Institute-Industry interaction.<br><br>**Facilities:**<br><br>- Systems with high speed internet<br>- Library with digital access<br>- Conferences, Seminars and skill development trainings.<br>- Center for excellence in Robotics and mechatronics.<br>- Center for Innovation, Incubation and Entrepreneurship.<br>- SIRO recognized research center.<br>- MSME recognized Business Incubator.<br>- State of the art laboratories with computerized equipments.<br>- Well qualified faculty.<br><br>**Functions of Research and Development Cell:**<br><br>- To create awareness and opportunities in Research and Development among the students & faculty and to create Research and Development atmosphere in every department<br>- To create interest and atmosphere among the staff members to take up Research projects and improve their knowledge, skills and qualifications by registering Ph. D's<br>- To encourage staff members and students to publish technical papers for publishing in National and reputed International Conferences/Journals<br>- To undertake research activities and development projects offered by agencies such as ISRO, DRDO, CSIR, DST, AICTE, UGC, etc.<br>- To assist the students to apply funding for conducting research and startups under student project scheme to various funding agencies like MSME, IEI (I), DRDO, TCS, Infosys etc.<br>- To assist for applying and getting funds for conducting Seminar/Workshop/FDP from various funding agencies<br>- To work with various departments to establish and develop faculty research priorities on interdisciplinary areas |

In order to promote research and development activities, the college extends its full support to students/faculty/staff. Full/Partial financial support is given to all innovative research & development works taken up by the students, faculty and staff members. The college encourages students, faculty and staff to participate in National/International Conferences, Training programmes, Tech-Festivals organized by reputed institutes (IITs/NITs/State Engg. Colleges etc.) by giving full/partial financial support viz. course/registration fee, TA/DA etc.

We are also collaborating with MSME & NRDC, Govt of India, New Delhi and T-Hub, Govt of Telangana for innovation and entrepreneur related activities, training programmes and collaborative projects.

| 3.1.2 | *The institution provides seed money to its teachers for research* |
|---|---|
| QnM | 3.1.2.1 : The amount of seed money provided by institution to its teachers for research year wise during the year (INR in lakhs): <br><br> Data Requirement: <br><br> • Name of the teacher getting seed money <br> • The amount of seed money <br> • Month and Year of receiving grant <br> • Duration of the grant |

**Academic Year: 2018 -2019**

| S.No | Name of the teacher getting seed money | Amount of seed Money | Month and Year of receiving grant | Duration of the grant |
|---|---|---|---|---|
| 1 | Dr.D.Sujatha | 10000 | Aug-18 | 365 |
| 2 | Dr.Thayyaba Khatoon | 10000 | Sep-18 | 365 |
| 3 | Mr.G.Ravi | 10000 | Dec-18 | 365 |
| 4 | Dr.D.Sujatha | 10000 | Apr-18 | 365 |
| 5 | Dr.S.Shanthi | 10000 | Apr-18 | 365 |
| 6 | Dr.V.Chandrasekar | 10000 | Apr-18 | 365 |
| 7 | Dr.Venkateswara Reddy E | 10000 | Apr-18 | 365 |
| 8 | Dr. Thayyaba Khatoon Mohammed | 10000 | Apr-18 | 365 |
| 9 | Madadi Vijaya kamal | 10000 | Apr-18 | 365 |
| 10 | Dr.G.Sharada | 10,000 | Feb-19 | 365 |
| 11 | J. Suneetha | 8,000 | Mar-19 | 365 |
| 12 | Dr.N.S.Gowri Ganesh | 7,000 | Mar-19 | 365 |
| 13 | Dr. Roopa Chandrika R | 7,000 | Apr-19 | 365 |
| 14 | Dr. A. Mummoorthy | 6,500 | Apr-19 | 365 |
| 15 | M. Vazralu | 5,000 | Sep-19 | 365 |
| 16 | P. Srinivasa Rao | 5,000 | Nov-19 | 365 |
| 17 | Dr. Amarnadha Reddy | 76000 | August & 2018 | 182 |
| 18 | Dr. Srikar | 61200 | April & 2018 | 182 |
| 19 | Dr. Nagaraju | 43500 | July & 2018 | 120 |

| 20 | Dr. P.H.V Sesha Talpa Sai | 83500 | September & 2018 | 240 |
|----|---------------------------|-------|------------------|-----|
| 21 | Dr. Jain BR Tony | 55000 | September & 2018 | 182 |
| 22 | P.Swetha | 10,000 | August,2018 | 365 |
| 23 | M.Anantha Guptha | 15,000 | August,2018 | 365 |
| 24 | D.Asha | 10,000 | June,2018 | 365 |
| 25 | P.Anitha | 10,000 | July,2018 | 365 |
| 26 | G.S.Naveen Kumar | 10,000 | dec,2018 | 365 |
| 27 | K.Malli Karjuna Lingam | 10,000 | Jan,2019 | 365 |
| 28 | Renju Panikar | 10,000 | Jan,2019 | 365 |
| 29 | Ch.Kiran Kumar | 10,000 | Feb ,2019 | 365 |

| 3.1.3 QnM | ***Number of teachers awarded national / international fellowship for advanced studies/research during the year:*** <br> Data Requirement: <br> • Name of the teacher awarded national/international fellowship for advanced studies /research <br> • Name of the award <br> • Month and Year of Award <br> Awarding Agency |
|---|---|

| SNo | Name of the teacher awarded national /international fellowship for advanced studies / research | Name of the award | Month and Year of Award | Awarding Agency |
|-----|-----------------------------------------------------------------------------------------------|-------------------|-------------------------|-----------------|
| 1 | Dr. V. Chandrasekar | Young Researcher Award | 5/1/2019 | International Association of Research and development organization, KasetsartUniversity, Chatuchak, Bangkok, Thailand |
| 2 | Dr ThayyabaKhatoon Mohammed | Young Scientist Award | 5/1/2019 | International Association of Research and development organization, KasetsartUniversity, Chatuchak, Bangkok, Thailand |
| 3 | Dr.S.Nagendra Prabu | Young Scientist Award | 5/1/2019 | International Association of Research and development organization, Kasetsart University, Chatuchak, Bangkok, Thailand |

| 3.2.1 | **Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the year (INR in Lakhs):** |
|---|---|
| $Q_nM$ | Data Requirement: <br> • Name of the Project/ Endowments, Chairs <br> • Name of the Principal Investigator <br> • Department of Principal Investigator <br> • Month and Year of Award <br> • Funds provided <br> • Duration of the project <br> • Name of the Project/ Endowments, Chairs |

| Metric No. | Key Indicator - 3.2 Resource Mobilization for Research | | | | | | |
|---|---|---|---|---|---|---|---|
| **3.2.1 QnM** | *Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the year (INR in Lakhs):* | | | | | | |
| **2018-2019** | | | | | | | |
| S.NO | Name of the Project/ Endowments,Chairs | Name of the PrincipalInvestigator | Department of PrincipalInvestigator | Month and Year ofAward | Fundsprovided (*Government and non-governmental agencies*) | Amount | Duration of theproject |
| 1. | Springer International Conference on Signal Processing and of Computing (ICSCSP – 2018) | Dr. S Shanthi | CSE | December - 2018 | AICTE | 5.00 Lakhs | 365 |
| 2. | Second Springer International Conference on Signal Processing and of Computing (ICSCSP – 2019) | Dr. Sujatha Dandu | CSE | January - 2019 | CSIR | 2.55 Lakhs | 365 |
| 3. | Junior Software Developer | Mr. Kamal | CSE | August - 2018 | PMKVY-TI Govt.of India | 8.00 Lakhs | 365 |
| 4. | Domestic Data entry Operator | Mr. Chandrasekar Reddy | CSE | August - 2018 | PMKVY-TI Govt.of India | 5.00 Lakhs | 365 |
| 5. | Airline High Lift Truck Operator | Dr. Ch Sreenadh | ANE | 2018-2019 | AICTE | 5.76 Lakhs | 365 |
| 6. | Airline Cargo Assistant | Dheeraj kumar Gara | ANE | 2018-2019 | AICTE | 4.80 Lakhs | 365 |
| 7. | Loan prediction Data set | Dr.G.Sharada | IT | 2018-2019 | SRI TECHNO ENGINEERS | 0.8 Lakhs | 547 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8. | Analysis Of Olympic Data Using Hadoop And its Ecosystem | Dr.N.S.Gowri Ganesh | IT | 2018-2019 | 7s sports club in association with rotary club,coimbatore | 2 Lakhs | 365 |
| 9. | IoT Based Irrigation System | Dr.S.Srinivasa Rao | ECE | March, 2019 | Embedded RF Technolgies | 1 Lakhs | 365 |
| 10. | Identification of Leukemia Particles in White blood Cells | Mr.K.Mallikharjuna Lingam | ECE | August, 2018 | Malla Reddy Narayana Hospital | 75,000 | 365 |
| 11 | SAFE2Go | Dr.S.Shanthi | CSE | 2018 | MSME | 6.1Lakhs | 365 |
| 12 | Universal Gateway for IOT enabled BMS | Dr.Srinivasa Rao | ECE | 2018 | MSME | 6.1Lakhs | 365 Days |
| 13 | Smart BP Monitor using Image processing | Dr.Jyothi | ECE | 2018 | MSME | 6.1Lakhs | 365 Days |
| 14 | Fabrication of smart gas Sensor using RF plasma processing | Dr.V.M.Senthil Kumar | ECE | 2018 | MSME | 6.1Lakhs | 365 Days |

| 3.2.2 QnM | Number of teachers having research projects during the year: | | | |
|---|---|---|---|---|
| **2018-2019** | | | | |
| S.No | Name of the PrincipalInvestigator | Department of PrincipalInvestigator | Academic Year | Number of Research Projects |
| 1 | Dr. Sujatha Dandu | CSE | 2018-2019 | 1 |
| 2 | Dr. S. Shanthi | CSE | 2018-2019 | 2 |
| 3 | Prof. Kamal | CSE | 2018-2019 | 1 |
| 4 | Mr. Chandrashekar Reddy | CSE | 2018-2019 | 1 |
| 5 | Dr. Ch Sreenadh | ANE | 2018-2019 | 1 |
| 6 | Dheeraj kumar Gara | ANE | 2018-2019 | 1 |
| 7 | Dr.G.Sharada | IT | 2018-2019 | 1 |
| 8 | Dr.N.S.Gowri Ganesh | IT | 2018-2019 | 1 |
| 9 | Dr.S.Srinivasa Rao | ECE | 2018-2019 | 2 |
| 10 | K.Mallikharjuna Lingam | ECE | 2018-2019 | 1 |
| 11 | Dr.Jyothi | ECE | 2018-2019 | 1 |
| 12 | Dr.V.M.Senthil Kumar | ECE | 2018-2019 | 1 |

| 3.2.3 QnM | Number of teachers recognized as research guides |
|---|---|
| | **Data Requirement:** |
| | • List of teachers recognized as research guides |

## Academic Year: 2018 -2019

| S.No | Name of the Faculty | Registered University as Guide | Department | No of students Guiding |
|---|---|---|---|---|
| 1 | Dr.B.Jyothi | Lovely Professional University | ECE | 1 |
| 2 | Dr.M.Sucharitha | Lovely Professional University | ECE | 1 |
| 3 | Dr. C.Ravi ShankarReddy | GITAM University | ECE | 1 |
| 4 | Dr. PHV Sesha Talpa Sai | Reva University | ME | 2 |
| 5 | Dr.V.Chandrasekar | Anna University | CSE | 1 |

| S.No | Name of Principal Investigator | Duration of project | Name of the research project | Amount / Fund received | Name of funding agency | Month and Year of sanction | Department of recipient |
|---|---|---|---|---|---|---|---|
| | | | **A.Y 2018 – 2019** | | | | |
| 1 | Dr. S Shanthi | 1 Year | Springer International Conference on Signal Processing and of Computing (ICSCSP – 2018) | 5.00 | AICTE | December - 2018 | CSE |
| 2 | Dr. Sujatha Dandu | 1 Year | Second Springer International Conference on Signal Processing and of Computing (ICSCSP – 2019) | 2.55 | CSIR | January - 2019 | CSE |
| 3 | Mr. Kamal | 1 Year | Junior Software Developer | 8.00 | PMKVY-TI Govt.of India | August - 2018 | CSE |
| 4 | Mr. Chandrasekar Reddy | 1 Year | Domestic Data entry Operator | 5.00 | PMKVY-TI Govt.of India | August - 2018 | CSE |
| 5 | Dr. Ch Sreenadh | 1 Year | Airline High Lift Truck Operator | 5.76 Lakhs | AICTE | 2018-2019 | ANE |
| 6 | Dheeraj kumar Gara | 1 Year | Airline Cargo Assistant | 4.80 Lakhs | AICTE | 2018-2019 | ANE |
| 7 | Dr.G.Sharada | 1.5 Years | Loan prediction Data set | 0.8 Lakhs | SRI TECHNO ENGINEERS | 2018-2019 | IT |
| 8 | Dr.N.S.Gowri Ganesh | 1 Years | Analysis Of Olympic Data Using Hadoop And its Ecosystem | 2 Lakhs | 7S SPORTS CLUB IN ASSOCIATION WITH ROTARY CLUB,COIMBATORE | 2018-2019 | IT |
| 9 | Dr.S.Srinivasa Rao | 1 Year | IoT Based Irrigation System | 1 Lakhs | Embedded RF Technolgies | March, 2019 | ECE |
| 10 | K.Mallikharjuna Lingam | 1 Year | Identification of Leukemia Particles in White blood Cells | 75,000 | Malla Reddy Narayana Hospital | August, 2018 | ECE |
| 11 | Dr.S.Shanthi | 1 Year | SAFE2Go | 6.1 Lakhs | MSME | 2018-2019 | CSE |
| 12 | Dr.Srinivasa Rao | 1 Year | Universal Gateway for IOT enabled BMS | 6.1 Lakhs | MSME | 2018-2019 | ECE |
| 13 | Dr.Jyothi | 1 Year | Smart BP Monitor using Image processing | 6.1 Lakhs | MSME | 2018-2019 | ECE |
| 14 | Dr.V.M.Senthil Kumar | 1 Year | Fabrication of smart gas Sensor using RF plasma processing | 6.1 Lakhs | MSME | 2018-2019 | ECE |

**3.2.4 QnM** *Number of departments having Research projects funded by government and non-government agencies during the year:*

| 3.3.1 | ### 3.3.1 Institution has created an eco-system for innovations including Incubation Centre and other initiatives for creation and transfer of knowledge |
|---|---|

MRCET has created an ecosystem for Research and Innovation by
- (i) recruiting and developing desirable human resource,
- (ii) taking initiative for creation and dissemination of knowledge and
- (iii) establishing state of the art infrastructure:

**Human Resource Development**

At the entry level, MRCET recruits meritorious, dynamic and enterprising young faculty through an elaborate selection process that involves careful scrutiny of applications, testing of knowledge and teaching skills through seminars and selection interviews.

The annual performance appraisal system encourages faculty to enhance their teaching, research and administrative skills, as well as social services to the desired level of promotion. Faculty members are encouraged to undergo professional development programmes and organize and participate in Conferences, Seminars and Workshops. Leave is granted and financial support is provided to participate in India and abroad. Teaching and non-teaching staff are encouraged to enhance their qualifications and pursue part-time PhD programs.

The institute has a well-defined and published research promotion policy. Faculty members are encouraged and financially supported to guide research. A good number of students have registered for M Tech and Ph D programs and the numbers are increasing every year. Research Fair is organized in the campus where all research scholars across the institute demonstrate their research work.

The Institute has identified Broad Research Divisions with several sub-divisions. The main objectives of these research divisions are to contribute to the society through their research. The research may not lead to publications but the research output will definitely help the society. MRCET is engaged in research for solutions. Some of the products developed after rigorous research used for the community are listed below:

Young faculties across the institute are encouraged to do research in multi-disciplinary and inter disciplinary areas. Young Faculty members are financially supported upto Rs. 3 Lacs by the Institute for their research scholars, the UG and PG students are being funded for their research/projects, Paper publication and travel grants for national and international travels.

**Excellent research infrastructure**

Research infrastructure has been created, both through extramural sources that include MHRD, UGC and AICTE and also through intramural funding. Seed funding is provided to pursue specific research programs. Central facilities and advanced Research Centres and Laboratories have been established that are accessible to all. It is ensured

that they are optimally utilized.

The Institute has developed several research labs in the respective area of research. These include:

- Library with digital access
- Conferences, Seminars and skill development trainings.
- Center for excellence in Robotics and mechatronics.
- Center for Innovation, Incubation and Entrepreneurship
- SIRO recognized research center.
- MSME recognized Business Incubator.
- Centre of Excellence in Cloud Computing
- Centre of Excellence in Artificial Intelligence
- T-HUB in association with Govt of Telangana
- Partnership with TASK(Telangana Academy for Skill and Knowledge)
- TBI &Startups centre.

## Visits by Internationally known experts

MRCET invites renowned experts from various domains from India and abroad to facilitate networking and establish collaborations for undertaking multi-disciplinary and inter- disciplinary research. Regular annual events are organized such as, the International Conference on Communications, Signal Processing, Computing and Information Technologies (ICCSPCIT)

Emeritus and adjunct professors from academia and industry have been appointed. External co-supervisors are appointed from universities with MoU with MRCET for PhD students.

MRCET has signed MoUs with prestigious academic institutions and research organizations such as, Trinity College Dublin, ECPI University, USA, University of Central Missouri, USA, Capliano University, Vancouver, Canada, University Malaysia Sarawak (UNIMAS), IIT Kharagpur and IIT Bombay.

## Entrepreneurship and Virtual Incubation Centre

Research and Development is an integral part of the academic activities of Malla Reddy College of Engineering and Technology. MRCET R&D cell is one of the wings of the Institute which facilitates, channelizes, records, and regulates all the academic, sponsored, collaborative research projects and consultancy works in the Institute. In a world increasingly propelled by technology, academic research forms the mainspring of a nation's economic growth. MRCET R&D cell aspires to transform the lives of young budding engineers, research scholars and faculty through their innovative ideas to contribute for research at academic level. MRCET R&D cell is closely working with core industries to train the students in this direction. This objective will be very close to the heart of the industry in the direction of producing ready to be employed engineers. The key goal of the Institute is to provide a creative atmosphere in which higher studies and research thrive amongst the faculty and students. It also promotes and manages Institute-Industry interaction.

## RESEARCH OBJECTIVES:

- To create zeal amongst faculty and students towards research and innovation.
- To create centres of Excellence in niche areas of research.
- To work closely with the industrial needs that eventually will result in new or improved products, processes, systems or services that can increase productivity of the industry.
- To foster collaborations for mutual benefits and to maximize Industry - Institute connectivity.
- To establish collaboration with other universities, public and private sectors and identify R&D projects including consultancy services which could be undertaken at the institution.
- To promote research in various departments of the Institute.
- To ensure smooth functioning and effective Management of R&D at the institution.
- To organize and promote skill development trainings in emerging areas to enhance the employability skills of the students.
- To promote self employability skills by conducting various activities under Center for Innovation, Incubation and Entrepreneurship (CIIE)

## Industry-Institute Partnership Cell

**MRCET** professional association with an **Industry-Institute Partnership Cell** (IIPC) sanctioned by the All Indian Council for Technical Education (AICTE) which definitely acts as an interface between the industries and Institute to take up collaborative activities in the fields of innovative practices and entrepreneur development. Entrepreneurship development cell has taken a revolutionary responsibility to generate the entrepreneurship skills among the students and help them to capitalize their ideas and achieve concrete goals to become a versatile entrepreneur. Moreover, we also give exposure of industrial sector to the challenging young minds to gain the perfect idea of market need and requirements. The system for the execution of EDC is initiated by different departmental faculty members and student coordinators. Contribute to global challenges and create a better society.

## EDC /IIPC- Objectives

Entrepreneurship development cell bridges the gap between ideas to develop new innovative market. The IIPC has eventually leaded to the start of EDC to boost up the concrete mindset of enthusiastic students who wants to excel in the different fields of today's competitive business world. To strengthen the bond between industries and institute it works for following objectives.

- To arrange industrial training for students and identify student project work in industries relevant to industry need.
- To interact with R & D organizations for conducting joint research work.
- To arrange technical exhibitions / project competitions, personality development workshops.

|  | • To arrange short-term tailor made programmes: Duration of 5 to 7 days for the benefit of professionals in various technical disciplines.<br>• To arrange need based training programme in association with industries by MOU's.<br><br>Some other initiatives include:<br>1. Entrepreneurship meets.<br>2. Visits to industries.<br>3. Organization of Techno fest (Exuberanza)to foster creativity and innovation along with other creative contests.<br>4. Project work for all students.<br>5. Annual exhibits of Models and Innovative ideas of students on Founder's Day.<br>6. Skill training to augment potential for start-ups through TBI |
|---|---|

| 3.3.2<br><br>Q$_n$M | *Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), entrepreneurship and skills development during the year:*<br><br>Data Requirement:<br>• Name of the workshops /seminars<br>• Number of Participants<br>• Date (From-to)<br>• Link to the activity report on the website |
|---|---|

| S.NO | Year | Name of the workshop/ seminar | Date From – To | Link to the Activity report on the website | No of Participants |
|------|------|------|------|------|------|
| 1 | 2019 | One Day Workshop On Data Science Using R | 5th January 2019 | mrcet.com/CSE_Events.html | 100 |
| 2 | 2019 | Three days workshop on python & data science | 28th to 30th January 2019 | https://mrcet.com/downloads/department_updates/CSE/II%20YEAR%20WORKSHOP%20ON%20PYTHON.pdf | 180 |
| 3 | 2019 | Microsoft Certification Course On "Machine Learning Using Python" | 28th January to 2nd February 2019 | mrcet.com/CSE_Events.html | 180 |
| 4 | 2019 | Campus Recruitment Training by TIMES Academy | 18th to 22nd Feb 2019 | mrcet.com/CSE_Events.html | 200 |
| 5 | 2019 | Two days Faculty Development Programme on "Big Data Analysis" | 19th to 20th April 2019 | mrcet.com/CSE_Events.html | 80 |
| 6 | 2019 | One week Faculty Development Programme on "Machine learning and Deep learning" | 29th April to 5th May 2019 | mrcet.com/CSE_Events.html | 120 |
| 7 | 2019 | ICSCSP(International Conference on Soft Computing & Signal Processing) | 21st &22nd June 2019 | mrcet.com/CSE_Events.html | 65 |
| 8 | 2018 | Management Development Programme. | 8/8/2018 | www.mrcet.ac.in | 200 |
| 9 | 2019 | Entrepreneurial Process | 8/2/2019 | www.mrcet.ac.in | 200 |
| 10 | 2019 | Awareness on Intellectual Property Rights in the Global Market. | 9/2/2019 | www.mrcet.ac.in | 200 |
| 11 | 2019 | Workshop on Python & D.A | 31st Jan-2nd Feb 2019 | www.mrcet.ac.in | 60 |
| 12 | 2019 | Workshop on Microsoft Certification | 28th Jan-2nd Feb 2019 | www.mrcet.ac.in | 55 |
| 13 | 2019 | Seminar On SMART MANUFACTURING & FUTURE TECHNOLOGIES IN INDUSTRY By TCS Experts | 12-Mar | https://mrcet.com/ME_gallery.html | 82 |
| 14 | 2018 | "RESEARCH SCHOLAR SUMMIT-2018" A TWO DAYS SEMINAR ON 'RESEARCH METHODOLOGY AND HOW TO WRITE RESEARCH PAPER | 3 -4 DEC,2018 | https://mrcet.com/ME_gallery.html | 69 |
| 15 | 2019 | ICSCSP-2020 | 21,22,June 2019 | https://mrcet.com/ECE_Events.html | 280 |
| 16 | 2018 | Two day seminar on Research scholors summit" organized by Department of ECE in association with Directorate of R&D JNTUH | 3-4 December, 2018 | https://mrcet.com/ECE_Events.html | 240 |

| 3.4.1 QₙM | *The Institution ensures implementation of its stated Code of Ethics for research through the following:*<br>1. *Inclusion of research ethics in the research methodology coursework*<br>2. *Presence of Ethics committee*<br>3. *Plagiarism check through software*<br>4. *Research Advisory Committee*<br><br>Options:<br>*A. All of the above*<br>*B. Any 3 of the above*<br>*C. Any 2 of the above*<br>*D. Any 1 of the above*<br>*E. None of the above* |
|---|---|

3.4.1: The Institution ensures implementation of its stated Code of Ethics for research through the following:

| Provide upload the URL having code of ethics | Whether Colleges have been provided access to plagiarism detecting software (Yes/No) | Mechanism for detecting plagiarism |
|---|---|---|
| https://mrcet.com/CodeofEthics.html | Yes | Drill Bit Anti Plagiarism software https://www.drillbitplagiarism.com/index.html |

| 3.4.2 QnM | *Number of Ph.D's registered per teacher (as per the data given w.r.t recognized Ph.D guides/ supervisors provided at 3.2.3 metric) during the year:*<br><br>**File Description(Upload)**<br>• URL to the research page on HEI website<br>• List of PhD scholars and their details like name of the guide , title of thesis, month and year of registration etc |
|---|---|

| Details of Scholars working under Registered Guides | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name of full time teacher with Ph.D | Qualific ation | Whether recognised as research Guide | Year of Recogniti on as Research Guide | Is the teacher still serving the institution/I f not last year of the service of Faculty to the Institution | Name of the scholar | Year of registrat ion of the scholar | Year of Awarding | Title of the thesis for scholar |
| Dr.VSK Reddy | Ph.D | Yes | 2009 | Yes | A.Venkateshwar ulu | 2011 | Pursuing | Hybrid Image Water Marking Algorithm |

| | | | | | K. Vanisree | 2010 | Awarded | Routing Protocols for Multimedia Communications |
|---|---|---|---|---|---|---|---|---|
| | | | | | P.Anil Kumar | 2012 | Pursuing | Netwok Security |
| | | | | | S. Dinesh | 2015 | Pursuing | Wireless Sensor Networks |
| | | | | | Mr.G.S. Naveen Kumar | 2017 | 2020 | Content Based Image Retrieval |
| | | | | | K. Mallikarjuna Lingam | 2017 | 2020 | Content Based Video Retrieval through 4G Wireless Networks |
| Dr.S.Srinivasa Rao | Ph.D | Yes | 2014 | yes | Ch Suneetha-KLU | 2014 | Pursuing | Spectrum Decision and Channel Band width Assignment in CR networks using IPV6 |
| | | | | | M Venkatapathi-KLU | 2017 | Pursuing | Spectrum Sensing Algorithm (SSA) for Performance improvement in Cognitive Radio |
| | | | | | R Chinna Rao-GITAM | 2016 | Pursuing | Performance enhancement of vocoders using IPDP protocol for speech processing in mobile communication |
| | | | | | P Swetha-JNTUH | 2016 | Pursuing | Performance Enhancement of Sampling Rate Converters In Wireless Sensor Networks |
| | | | | | M Ananta Guptha | 2017 | Pursuing | Novel VLSI Architecture for Lifting Based2D DWT |
| | | | | | Jaganadh Jadav | 2016 | 2020 | Automatic Semantic Segmentation Of Remote Sensing Data For Agriculture |
| Dr.B.Jyothi | Ph.D | Yes | 2018 | Yes | T.Srinivas | 2018 | Pursuing | High performance Image Retrieval |

| Dr.M.Sucharitha | Ph.D | Yes | 2018 | Yes | Ch.Kiran Kumar | 2018 | Pursuing | Feature extraction for AlzheimersDiese Identification |
|---|---|---|---|---|---|---|---|---|
| Dr. C.RaviShankarReddy | Ph.D | Yes | 2018 | Yes | M.Anusha | 2018 | Pursuing | A rounding based approximate multiplier for energy efficient digital signal processing |
| Dr.S.Shasikanth | Ph.D | Yes | 2019 | Yes | G.Ragini | 2018 | Pursuing | RF based smart home automation system |
| Dr.P .lakshmi Devi | Ph.D | Yes | 2018 | Yes | N.Saritha | 2018 | Pursuing | Efficient Satellite Image Segmentation |
| Dr.VM Senthil Kumar | Ph.D | Yes | 2017 | yes | D. David | 2018 | Pursuing | Low Power FinFET based Adiabatic Logic Circuits |
| Dr.M.MuraliKrishna | Ph.D | YES | | | Mr Raj kumarsanthosh | 2017 | Pursuing | Renewable energy |
| Dr.M.MuraliKrishna | Ph.D | YES | | | Mr. Mahendran | 2017 | Pursuing | Thermal Engg.-CFD |
| Dr. PHV SeshaTalpa Sai | Ph.D | YES | 2017 | YES | MLR Chaitanya Lahari | 2017 | Pursuing | Experimental Investigations On Heat Transfer Enhancement And Friction Factor Using Composite Nano-Fluids |
| Dr. PHV SeshaTalpa Sai | Ph.D | YES | 2017 | YES | P. Hassena Bee | 2018 | Pursuing | Investigation on Effect of Nano-Cutting Fluid in Machining Process and its Influence on Tool Life and Work Piece Morphology |
| Dr. PHV SeshaTalpa Sai | Ph.D | YES | 2017 | YES | Prasuna Lilly Florence | 2018 | Pursuing | Resistance Spot Welding Process by Using Dissimilar Materials With Dissimilar Thicknesses for Industrial and Automobile Applications |

| 3.4.3 QₙM | *Number of research papers per teacher in the Journals notified on UGC website during the year:* |
|---|---|
| | Data Requirement: <br><br> • Title of paper <br> • Name of the author/s <br> • Department of the teacher <br> • Name of journal <br> • Month and Year of publication <br> • ISBN/ISSN number |

## Faculty Publications    A.Y.2018-19

| S.No. | Title of paper | Name of the author/s | Department of the teacher | Name of journal | Month and Year of publication | ISBN/ISSN: number |
|-------|----------------|----------------------|---------------------------|-----------------|-------------------------------|-------------------|
| | | | | Faculty Publications    A.Y.2018-19 | | |
| 1 | An Efficient Feature Selection Technique for Keystroke Authentication Based on Low Impact Biometric Verification | Dr.D.Sujatha | CSE | International Journal of Research and Analytical Reviews, | April-June 2019 | UGC Approved Journal,Vol 6, issue 2, |
| 2 | Conviction-Created Concerted Secrecy Controlling In Online Social Networks | Dr.D.Sujatha | CSE | Journal of Applied Science and Computations(JASC) | Jun-19 | ISSN NO: 1076-5131 |
| 3 | Systematic Verifiable Authorization Search System For Secure Cloud Storage | Dr.D.Sujatha | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 4 | Web User Revision Relevance Feedback Using Keyword For Webmining | Dr.D.Sujatha | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 5 | Description Occupation Responsibility Along Side Fraudulent Big Data Sellers And Buyer | Dr.D.Sujatha | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 6 | Energy and memory efficient clone detection in Wireless sensor networks | Dr.D.Sujatha | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 7 | A Systematic and Analytical Approach to Techniques and Tools in Topic Modeling | Dr.S.Shanthi | CSE | International Journal of Recent Technology and Engineering | May-19 | ISSN: 2277-3878 |

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| 8 | FLAT Vs Hierarchical Routing Protocols in Wireless Sensor Networks: An In-depth Analysi | Dr.S.Shanthi | CSE | International Journal of Innovative Technology and Exploring Engineering (IJITEE) | May-19 | ISSN: 2278-3075 |
| 9 | A Virtual Honeynet based Botnet Detection (VHBD) Architecture for Cloud | Dr.S.Shanthi | CSE | International Journal of Engineering and Advanced Technology (IJEAT) | Jun-19 | ISSN:2249 - 8958 (Online) |
| 10 | User Authentication Based on Hausdroff Distance in Keystroke Dynamics using Memetic Algorithms' | Dr. V. Chandrasekhar | CSE | International Journal of Pure and Applied Mathematics | 2019 | ISSN 1314 – 3395 |
| 11 | Routing Information Protocol for Wireless Sensor Networks | Dr. V. Chandrasekhar | CSE | International Journal of Advance Engineering and Research Development | 2019 | ISSN 2348 – 4470 |
| 12 | Design of Chaotic Behavior for programmable cellular automata based Symmetric Key Encryption Algorithm for Wireless Sensor Networks | Dr. V. Chandrasekhar | CSE | International Journal of Research and Analytical Reviews | 2019 | ISSN 2349-5138 |
| 13 | An Efficient Feature Selection Technique for Keystroke Authentication Based on Low Impact Biometric Verification | Dr. V. Chandrasekhar | CSE | International Journal of Research and Analytical Reviews | 2019 | ISSN 2349-5138 |
| 14 | A Comprehensive review on Density-Based clustering algorithm in data mining | Dr. V. Chandrasekhar | CSE | International Journal of Research and Analytical Reviews | 2019 | ISSN 2349-5138 |

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|---|---|---|---|---|---|---|
| 15 | A New Text Mining Approach for Web Content Search | Dr. V. Chandrasekhar | CSE | International Journal of Research and Analytical Reviews | 2019 | ISSN 2349-5138 |
| 16 | Identity Based-Dual Server Valid Key Exchange Protocols | Dr. V. Chandrasekhar | CSE | Journal of Applied Science and Computations | 2019 | ISSN 1076 – 5131 |
| 17 | A Systematic and Analytical Approach to Techniques and Tools in Topic Modeling | Dr.S. Nagendra prabhu | CSE | International Journal of Recent Technology and Engineering (IJRTE)', | May-19 | ISSN: 2277-3878 (Online) |
| 18 | A Virtual Honeynet based Botnet Detection (VHBD) Architecture for Cloud | Dr.S. Nagendra prabhu | CSE | International Journal of Engineering and Advanced Technology (IJEAT) | Jun-19 | ISSN :2249 - 8958 |
| 19 | A New Text Mining Approach for Web Content Search | Dr.Thayyaba khanoon | CSE | International Journal of Research and Analytical Reviews | 2019 | ISSN 2349-5138 |
| 20 | An Advanced Mechanism for Secure Data Sharing In Cloud | G.Ravi | CSE | International Journals on Electronics Engineering | Dec-18 | ISSN:0973-7383 |
| 21 | Recent Trends in Security and Privacy of Sensitive Data inCloud Computing | P. Honey Diana | CSE | International Journal of Engineering & Technology | 2018 | |
| 22 | Advancements of Security and Privacy ofSensitive Data Cloud Computing | P. Honey Diana | CSE | Journal of Adv Research in Dynamical & Control Systems | 2018 | ISSN 1943-023X |
| 23 | Secure Data Access and Sharing On Outsourcing Information | P. Honey Diana | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 24 | Efficient visual cryptography technique for gray scale images using DWT and watermarking | R.Sujatha | CSE | International Journal for Innovative engineering and Management Research. | Dec-18 | ISSN 2456 – 5083 |

| | technique | | | | | |
|---|---|---|---|---|---|---|
| 25 | Detecting fake apps and restricting access to app store using Malware code detection and rating review analysis | R.Sujatha | CSE | International Journal of Research | Jun-19 | e-ISSN: 2348-6848 p-ISSN: 2348-795X |
| 26 | Data Protection using RBAC and CPABE in Cloud Computing Infrastructure | D kalpana | CSE | International Journal & Magazine of Engineering, Technology, Management and Research | Jun-18 | ISSN No: 2348-4845 |
| 27 | User Privacy Protection Methods In Cloud Based Services | Arthi Jaya Kumari | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 28 | Product Recommendation based on Category Familiarity using Explicit and Implicit Methods | K.M.Rayudu | CSE | International Journal of Research | June 2019 | e-ISSN: 2348-6848 p-ISSN: 2348-795X |
| 29 | Systematic Verifiable Authorization Search System For Secure Cloud Storage | P.Dileep | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 30 | Verifying And Matching Data Equality In Multi Cloud For Improving Security | M.Sirish | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 31 | Conviction-Created Concerted Secrecy Controlling In Online Social Networks | M.Venu | CSE | Journal of Applied Science and Computations(JASC) | Jun-19 | ISSN NO: 1076-5131 |

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|---|---|---|---|---|---|---|
| 32 | An Examination Of Re-Association Algorithm For Filtering Effective Boolean Data | N.Siva Kumar | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 33 | Review of Current Trends in Web Usage Mining | M.Gayatri | CSE | International Journal of Engineering & Technology | 2018 | ISSN NO:690-694 |
| 34 | Secure Scheme in Clouds for Solving Problems in Cloud Data Changing. | M.Gayatri | CSE | International Journal of Research | Jun-19 | e-ISSN: 2348-6848 p-ISSN: 2348-795X |
| 35 | Description Occupation Responsibility Along Side Fraudulent Big Data Sellers And Buyer | Ch.Naveen Kumar Reddy | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 36 | Access Control based Scheme for effective cloud data access with secured policy with Equality Test | D.Chandra Shekar Reddy | CSE | International Journal of Research | Jun-19 | e-ISSN: 2348-6848 p-ISSN: 2348-795X |
| 37 | Energy and memory efficient clone Energy and memory efficient clone detection in Wireless sensor networks detection in Wireless sensor networks | M.Jayapal | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 38 | Transactional Attitude Checking In Commercial Procedure As A Service Paradigm | M.Sandeep | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |
| 39 | Aspect And Time-Based Access Management For Complex Data In Public Cloud | A.Syam Prasad | CSE | International Journal of Research | Jun-19 | ISSN NO:2236-6124 |

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|---|---|---|---|---|---|
| 40 | Online Profile Community Behaviours For Dispensation Report Detection | S.Vishwanath Reddy | CSE | IJRECE | Jun-19 | ISSN: 2393-9028 (PRINT) \| ISSN: 2348-2281 (ONLINE) |
| 41 | Location Based Keyword aware representative travel route recommendation | K. Ravikiran | CSE | International Journal of Research | Jun-19 | ISSN NO.1106-1112 |
| 42 | ABPMDF: Towards a Framework for Automated Model Discovery from Process Event Logs for Business Intelligence | M.V.Kamal | CSE | IJATCSE | Jun-19 | |
| 43 | Privacy Preserving Using Open API Service Based On Cloud Computing | M.V.Kamal | CSE | International Journal of Research (IJR) | Jun-19 | ISSN No:2236-6124 |
| 44 | Intelligent Exhaustion rate and stability control on underwater WSN with fuzzy based clustering efficient cost management strategies | Umamaheswari M & Rengarajan N | IT | Journal of Information System and e-Business Management,Springer Heidelberg | Jun-19 | 257-019-00411 |
| 45 | Neural Network and Cuckoo Optimization Algorithm for Remote Sensing Image Classification | Vignesh Janarthanan, A.Viswanathan, M. Umamaheswari | IT | International Journal of Recent Technology and Engineering (IJRTE) | Nov-19 | ISSN: 2277-3878, Volume-8 Issue-4 |
| 46 | spark streaming for predicitve bussiness intelligence | N.S.Gowri Ganesh ; A. Mummoorthy ; R.Roopa Chandrika | IT | IEEE | 2019 | Electronic ISBN: 978-1-7281-1871-0 |
| 47 | Real-Time Traffic Monitoring System Using Spark | A Saraswathi ; Mummoorthy A ; Anantha Raman G R ; K P Porkodi | IT | IEEE | 2019 | Electronic ISBN: 978-1-7281-1871-0 |

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|---|---|---|---|---|---|---|
| 48 | Vehicle Detection and Classification using Image processing | R.Roopa Chandrika ; N.S.Gowri Ganesh ; A. Mummoorthy | IT | IEEE | 2019 | Electronic ISBN: 978-1-7281-1871-0 |
| 49 | Satellite Image processing Biomass Estimation | Mummoorthy ; R.RoopaChandrika ; N.S.Gowri Ganesh ; E. Pavithra | IT | IEEE | 2019 | Electronic ISBN: 978-1-7281-1871-0 |
| 50 | Design of Adiabatic Array Logic Adder Using Multigate device in 32nm Fin FET Process Technology | V.Sujatha, V.M.Senthil kumar, S.Ravindra kumar | ECE | Jour. of Adv. Research in Dynamical & Control Systems | 2018 | ISSN: 1943-023X |
| 51 | A Vedic Mathematics based Processor Core for Discrete Wavelet Transform Using FinFET and CNTFET Technology for Biomedical Signal Processing | V.M. SenthilKumar, S.Ravindrakumar, D.Nithya, N.V.Kousi | ECE | Microprocessors and Microsystems | Aug-19 | ISSN 0141-9331 |
| 52 | FINFET Operational Amplifier with Low Offset Noise and High Immunity to Electromagnetic Interference | V.M. SenthilKumar | ECE | Microprocessors and Microsystems | May-19 | ISSN 0141-9331 |
| 53 | MRI Brain Tumor Segmentation using Automatic 3D Blob Method | B.Jyothi | ECE | Advances in Intelligent Systems and Computing | Jan-19 | ISSN 2194-5357 |
| 54 | Hierarchical Categorization and Review of Recent Techniques on Image Forgery Detection | V. Vinolin, Sucharitha.M | ECE | The Computer Journal | 2019 | ISSN 0010-4620 |
| 55 | A Simple Approach to Automated Brain Tumor Segmentation and Classification | Ganesan P , B.S. Sathish , R. Murugesan | ECE | Research Journal Pharm. and Tech | Jul-19 | ISSN 0974-3618 |

| | Title | Authors | Dept | Journal | Date | ISSN |
|---|---|---|---|---|---|---|
| 56 | Analysis of Metric based Wavelets for Medical Image Fusion | M.N. Narsaiah, S. Vathsal D, Venkat Reddy, M.Ramanjaneyulu | ECE | International Journal of Advanced Science and Technology | 2019 | ISSN : 2207 6360 |
| 57 | Fast Compression For Brain MR Images With Proposed Algorithms | M.Ramanjaneyulu, A.V.Narasimha Rao, M.Balraju | ECE | International Journal of Innovative Technology and Exploring Engineering | Jul-19 | ISSN: 2278-3075 |
| 58 | Implementation of MEMS Capacitive Pressure Sensor Design using COMSOL Software | Arunkumar Madupu, Sreenivasa Rao Ijjada, Gowri Ishwari | ECE | International Journal of Recent Technology and Engineering | Aug-19 | ISSN: 2277-3878 |
| 59 | An Analysis of IPV6 Protocol Implementation for Secure Data Transfer In Cloud Computing | Anitha Patibandla, G.S.Naveen Kumar, Anusha Meneni | ECE | Advances in Intelligent Systems and Computing | Jan-19 | ISSN 2194-5357 |
| 60 | Content-Based Video Shot Boundary Detection Using Multiple Haar Transform Features | Asha D., Madhavee Latha Y. | ECE | Advances in Intelligent Systems and Computing | Jan-19 | ISSN 2194-5357 |
| 61 | Lexicographic method Fully Fuzzy Transportation Problem | T.Anitha kumari | H&S | IJTIMES | December ,2018 | ISSN 2319-1805 |
| 62 | Shock Boundary Layer Interactions In Supersonic Inlets | D. Smitha, J. Sandeep, K Hema | Aeronautical | International Journal Of Mechanical and Production Engineering Research and Development (IJMPERD) | June 18 | ISSN 2278-4926 |
| 63 | CFD Analysis Of Flush Wall Injection In Shcramjet Engine | L. Sushma | Aeronautical | International Journal Of Mechanical and Production Engineering Research and Development (IJMPERD) | June 18 | ISSN 2278-4926 |

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|---|---|---|---|---|---|
| 64 | Numerical Simulation Of Double Pipe Counter Flow Heat Exchanger And Optimization Using Taguchi Method | Peddi Dilleswara Rao | Aeronautical | International Journal Of Mechanical and Production Engineering Research and Development (IJMPERD) | June 18 | ISSN 2278-4926 |
| 65 | Prediction and Error Analysis of Tensile Strength and Micro Hardness in Electron Beam Welded Copper and Stainless Steel 304 Dissimilar Metal Joint Using Intelligent Techniques", | Ajith Raj R | Aeronautical | Journal of Advanced Research in Dynamical and Control Systems | July 2018 | ISSN 1943-023X |
| 66 | Microstructural Characterizations using SEM/EDAX and X-Ray Diffraction Analysis on TIG and Electron Beam Welded Dissimilar Metal Joints of Copper and Stainless Steel 304 | Ajith Raj R | Aeronautical | Journal of Advanced Research in Dynamical and Control Systems | July 2018 | ISSN 1943-023X |
| 67 | Modeling And Prediction of Mechanical Strength in Electron Beam Welded Dissimilar Metal Joints of Stainless Steel 304 and Copper Using Grey Relation Analysis", | Ajith Raj R | Aeronautical | International Journal of Engineering&Technology | August 2018 | ISSN: 2227-524X |
| 68 | Development of safe flying protocol aided by Artificial Intelligence | Ajith Raj R | Aeronautical | International Journal of Advance Research, Ideas and Innovations in Technology | November 2018 | ISSN: 2454-132X |

| 69 | A Day without using Internet | Dr. I. J. Raghavendra | MBA | ZENITH International Journal of Multidisciplinary Research | Jun-19 | ISSN 2231-5780 |
|---|---|---|---|---|---|---|
| 70 | "Internal Marketing in the Banking Sector: A study on Perceptions of Employees in State Bank of Hyderabad" | Dr. Naveen Kumar Gurram | MBA | ZENITH International Journal of Multidisciplinary Research | Jun-19 | ISSN 2231-5780 |
| 71 | "Principal Factors of Service Quality: A Study of Selected Banks in India." | Dr. Vaishali Pagaria | MBA | Journal of Interdisciplinary Cycle Research | Jun-19 | ISSN 2231-5780 |
| 72 | A Day without using Internet | Raju Rathipelli | MBA | ZENITH International Journal of Multidisciplinary Research | Jun-19 | ISSN 2231-5780 |

## 3.4.4 Number of books and chapters in edited volumes / books published per teacher during last four year

| Sl. No. | Name of the teacher | Title of the book/ chapters published | Title of the paper | Title of the proceedings of the conference | Name of the conference | National / international | Month and Year of publication | ISBN/ISSN number of the proceeding | Affiliating Institute at the time of publication | Name of the publisher |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Dr.S.Shanthi | Blue Eyes Intelligence Engineering & Sciences Publication | FLAT Vs Hierarchical Routing Protocols in Wireless Sensor Networks: An In-depth Analysis", Interference Conference on Wireless Sensor Networks,Ubiquitous Computing and Applications | FLAT Vs Hierarchical Routing Protocols in Wireless Sensor Networks: An In-depth Analysis", Interference Conference on Wireless Sensor Networks, Ubiquitous Computing and Applications | Interference Conference on Wireless Sensor Networks, Ubiquitous Computing and Applications(SPRINGER | National | 2018 | ISSN: 2278-3075 | MRCET | Springer Series |

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| 2 | Dr.S.Sh anthi | Emer ging Techn ologie s in Comp uter Scien ce | Design of Chaotic behavior for Programmable cellular automata based symmetric key encryption algorithm | Design of Chaotic behavior for Programma ble cellular automata based symmetric key encryption algorithm | Internatio nal Conferenc e on Emerging Technolog ies in Computer Science, | Internati onal | Dec-18 | ISBN: 978-81-939386-1-4, | MRCET | ICETCS |
| 3 | Dr.V.C handras hekar | Adva nces in Intelli gent Syste ms and Comp uting | A Novel Virtual Tunneling Protocol for Underwater Wireless Sensor Networks | A Novel Virtual Tunneling Protocol for Underwater Wireless Sensor Networks | Internatio nal Conferenc e on Soft Computin g and Signal Processin g, | Internati onal | Jun-18 | ISSN 2194-5357 ISSN 2194-5365 (electroni c)/ISBN 978-981-13-3599-0 ISBN 978-981-13-3600-3 (eBook) | MRCET | Springer Series |
| 4 | Dr.V.C handras hekar | - | Design of Chaotic behavior for Programmable cellular automata based symmetric key encryption algorithm | Design of Chaotic behavior for Programma ble cellular automata based symmetric key encryption algorithm | Internatio nal Conferenc e on Emerging Technolog ies in Computer Science, | Internati onal | Dec-18 | ISBN: 978-81-939386-1-4, | MRCET | UGC |
| 5 | Dr.V.C handras hekar | - | A New Text Mining approach for Web content search | A New Text Mining approach for Web content search | Internatio nal Conferenc e on Emerging Technolog ies in Computer Science, | Internati onal | Dec-18 | ISBN: 978-81-939386-1-4, | MRCET | ICETCS |
| 6 | Dr.V.C handras hekar | - | A Comprehensive review on density based clustering algorithm in Data Mining | A Comprehen sive review on density based clustering algorithm in Data Mining | Internatio nal Conferenc e on Emerging Technolog ies in Computer Science, | Internati onal | Dec-18 | ISBN: 978-81-939386-1-4, | MRCET | ICETCS |

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|---|---|---|---|---|---|---|---|---|---|
| 7 | Dr.V.C handras hekar | | An Efficient feature selection technique for authentication based on low impact biometric verification | An Efficient feature selection technique for authenticati on based on low impact biometric verification | Internatio nal Conferenc e on Emerging Technolog ies in Computer Science, | Internati onal | Dec-18 | ISBN: 978-81-939386-1-4, | MRCET | ICETCS |
| 8 | Dr.Thay yaba khatoon | | Comparative Study of Data Preprocessing Techniques to Retrieve Hidden Intrinsic Scholarly Patterns from Biomedical Literature Database | Comparativ e Study of Data Preprocessi ng Techniques to Retrieve Hidden Intrinsic Scholarly Patterns from Biomedical Literature Database | Internatio nal Conferenc e on New Trends in Engineeri ng and Technolog y | Internati onal | Sep-18 | | MRCET | IEEE Xplore Digital Library |
| 9 | Dr.Thay yaba khatoon | | A New Text Mining Approach for Web Content Search | A New Text Mining Approach for Web Content Search | Internatio nal Conferenc e on Emerging Technolog ies in Computer Science (ICETCS-2018 | Internati onal | Jun-18 | | MRCET | |
| 10 | Dr.Mad adi Vijaya Kamal | | Spark Streaming for Predictive Business Intelligence | Spark Streaming for Predictive Business Intelligence | Internatio nal conferenc e on soft computing and signal processing ( | Internati onal | Jun-18 | | MRCET | Springer Series |
| 11 | Dr.Mad adi Vijaya Kamal | | Stock Price Forecasting Framework based on the Support Vector Regression and Monte Carlo Method | Stock Price Forecasting Framework based on the Support Vector Regression and Monte Carlo Method | Internatio nal Conferenc e on Computati onal Intelligenc e and Data Engineeri ng (ICCIDE) | Internati onal | Jun-18 | | MRCET | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 12 | G.Ravi | | Emotion based extraction, classification and prediction of the audio data | Emotion based extraction, classification and prediction of the audio data | ICCII | International | Dec-18 | 978-981-15-1480-7_26 | MRCET | Springer Series |
| 13 | G.Ravi | | Comparative Analysis of Clustering Algorithms With Heart Disease Datasets Using Data Mining Weka Tool | Comparative Analysis of Clustering Algorithms With Heart Disease Datasets Using Data Mining Weka Tool | International conference on soft computing and signal processing ( | International | Jun-18 | 978-981-13-3600-3 | MRCET | Springer Series |
| 14 | P.Dileep | | Spark Streaming for Predictive Business Intelligence | Spark Streaming for Predictive Business Intelligence | International Conference on Soft Computing and Signal Processing | International | Jun-18 | 978-981-13-3393-4 | MRCET | Springer Series |
| 15 | Dr.S.Shanthi | | Minimization of Energy Consumption in Wireless Sensor Networks by Using a Special Mobile Agent | Minimization of Energy Consumption in Wireless Sensor Networks by Using a Special Mobile Agent | International Conference on Soft Computing and Signal Processing | International | Jun-18 | 978-981-13-3600-3 | MRCET | Springer Series |
| 16 | R. Sujatha | | A Comprehensive review on Density-Based Clustering algorithm in data mining | A Comprehensive review on Density-Based Clustering algorithm in data mining | International Conference on Emerging Technologies in Computer Science | International | Jun-18 | | MRCET | |
| 17 | P Honey Diana | | Server Based servertec encryption Based Mixed feature encryption with verifiable Authorization in cloud Computing | | | International | 2018 | 23215461 | MRCET | IJRRECS |

| 18 | Dr.A.M ummmo orthy | C# Programming for Beginners | | | Nationa l | 2018 | ISBN-978-93-87756-40-3 | MRCET | Maya Publication s |
|---|---|---|---|---|---|---|---|---|---|
| 19 | Dr.A.M ummmo orthy | Web Technologies | | | Nationa l | 2018 | ISBN-978-93-87756-76-2 | MRCET | Maya Publication s |

| 3.5.1 QₙM | *Revenue generated from consultancy and corporate training during the year (INR in Lakhs ):* Data Requirement: <ul><li>Names of the consultants / corporate trainers</li><li>Name of consultancy project / corporate training</li><li>Consulting/Sponsoring agency with contact details</li><li>Revenue generated (amount in rupees)</li><li>Total revenue generated in rupees</li></ul> |
|---|---|

### 3.5.1   Revenue generated from consultancy and corporate training during the year (INR in Lakhs):

| Academic Year:2018 -2019 | | | | |
|---|---|---|---|---|
| S.No | Names of the Consultants/ corporate Trainers | Name of Consultancy project / corporate training | Consulting/Sponsoring agency with contact details | Revenue generated (amount in rupees) | Total revenue generated in rupees |
| 1. | Web Cognize, Hyderabad | IoT Based Health Monitoring System | Web Cognize, Hyderabad | 1.80 Lakhs | |
| 2. | M/S Admire Solutions, Coimbatore | Fire Accident Prediction Using Cv And Machine Learning | M/S Admire Solutions, Coimbatore | 2.50 Lakhs | |
| 3. | M/S Saky Technologies, Hyderabad | Mobile Based Anti-Theft Android Application | M/S Saky Technologies, Hyderabad | 1.50 Lakhs | |
| 4. | M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad | Security and Efficient in Attribute – Based Data Sharing | M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad | 1.75 Lakhs | |
| 5. | Dr. S. Suganya Devi | Development of Highly Entropy Alloys using 3D printing Technology | Sai Balaji Engineering works | 6 Lakhs | 31,52,000 |
| 6. | Dr. Sreenadh Chevula | Design and CFD analysis of Wind Turbine | Winwill Technologies | 6.5 lakhs | |
| 7. | SRI TECHNO ENGINEERS | Loan prediction Data set | SRI TECHNO ENGINEERS | 0.8 Lakhs | |
| 8. | 7S SPORTS CLUB IN ASSOCIATION WITH ROTARY CLUB,COIMBATORE | Analysis Of Olympic Data Using Hadoop And its Ecosystem | 7S SPORTS CLUB IN ASSOCIATION WITH ROTARY CLUB,COIMBATORE | 2 Lakhs | |
| 9. | M. Mamurthy | Design & Implementation of Multi Handling Pick & Place Robotic Arm | Automation Solutions | 2.1 Lakhs | |
| 10 | T. Siva kumar | To Improve the Service Life of AISI 4340 Medium Carbon Low | INSPIRE Steel Pvt. Ltd. | 0.52 Lakhs | |

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|---|---|---|---|---|---|
| | | | Alloy Steel | | |
| 11 | Sreenadh Murthy | | Generation of Electricity Through Artificial Nano Trees | Renewable Energy Systems | 0.55 Lakhs |
| 12 | Dr.V.M.Senthil Kumar | | ASIC & FPGA | Pantech Technologies | 5.5 Lakhs |

| 3.5.2 QₙM | *Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the year* |
|---|---|

Data Requirement:

- Facility developed and amount spent
- Training programmes for teachers for undertaking consultancy
- Training programmes for staff for supporting consultancy activities.
- Total expenditure on training teachers and staff or consultancy

| Facility | Amount involved | Name of the Trainer-Consultants | Name of the facility and department | Name of Training | Consulting / Sponsoring agency with Contact details | Amount spent (INR) | Name of the Trainer-Consultants | Name of the facility and department | Name of Training | Consulting/Sponsoring agency with Contact details | Amount spent (INR) | Expenditure For Teachers | Expenditure For Staffs | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Big Data Analytics Lab | 100000 | Mr.Venkat Ram,Idustrialist, IBM | Big Data Analytics using R programming | Training on Big Data Analytics | Coign Consultancy Ltd | 50,000 | Mr.Praveen Kumar | Big Data Analysis using R programming | Training on Big Data Analysis | Coign Consultancy Ltd | 20,000 | 50,000 | 20,000 | 70,000 |
| Centre of Excellence in Robotics | 80,000 | M.RajaShekar | Embedded systems lab | Hands on Training on Embedded systems and interface Devices | UTS Technology | 50,000 | M.Raman janeyulu | Embedded systems lab | Hands on Training on Embedded systems and interface Devices | UTS Technology | 25,000 | 15,000 | 10,000 | 25,000 |
| VLSI&Embedded Lab | 50000 | K.Ramanatham | Embedded systems lab | Hands-on experience on a spectrum of embedded applications | Vector Institute | 35000 | K.D.K.Ajay | Embedded systems lab | Hands-on experience on a spectrum of embedded applications | Vector Institute | 20000 | 15,000 | 10,000 | 25,000 |
| centre for innovation & incubation | 1,05,000 | Dr.A.Mummoorthy | Information Technology | startup & Entreurner | MRCET/ Jss Technology | 1,05,000 | Dr.A.Mummoorthy | Information techno logy | startup & Entreurner | MRCET/ Jss Technology | 25,000 | 15,000 | 10,000 | 25,000 |
| Centre for Innovation & Incubation | 105,000 | Dr. Lokeshwar Rao | Mechanical Engineering | Startup & Entrepurner | JSS Technologies | 105,000 | Dr. Lokeshwar Rao | Mechanical Engineering | Startup & Entrepurner | JSS Technologies | 45,000 | 105,000 | 1,500 | 151,500 |

| 3.6.1  Q₁M | *Extension activities are carried out in the neighborhood community,sensitizingstudentstosocialissues,fortheirholistic development, and impact thereof during the year* |
| :--- | :--- |
| | Describe the impact of extension activities in sensitizing students to social issues and holistic development within a maximum of 500 words |

Awareness about Anti-ragging and She teams programme was conducted in association from Police Department

Blood donation camp strengthens the sense of empathy and compassion among donors and also instils in them a sense of commitment and ethical responsibility.

The various activities and multiple issues of social , political and economic significance are discussed and dealt with in order to create sensitivity and understanding among students and contribute to balanced development of their personality, so that committed and ethically informed citizenship is created.

A rally for soldiers was organized in the college in honour of those soldiers who lost their life in Phulwama attack

The student volunteers visit neighboring localities and conduct various activities regularly. Details of a few programmes are given below:

Activities like Swatch Bharath (from 2016 to2020) is conducted in Nearby Villages and created awareness program on health and other responsibilities

Medical camp was conducted in Maisammaguda village. After the survey in the village, ortho problems and body pains are identified as the major problems. Medical camp with orthopedic doctors is arranged and medicines.

Harithaharam (Tree plantation) was done at Bahadurpally, Dhulapally, Gundla Pochampally. Planted thousands of samplings to make green & clean culture.

All the extension activities have given the participants exposure to cases of unjust deprivation and have created strong motivation for alleviation of this injustice. Apart from this the significance of clean surrounding, hygiene, sanitation in the neighborhood, garbage disposal, and sensitizing the community at large to these vital issues. All these initiatives have gone a long way in holistic development personality of the participants of these programmes.

Tree plantation was done at Bahadurpally, Dhulapally, Gundla Pochampally. Planted thousands of samplings to make green & clean culture.

The NSS unit functions under the guidance of a Faculty programme officer. The NSS wing of college focuses on providing access and opportunities to underprivileged in health and education.

| 3.6.2 | Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognised bodies during the year: |
|---|---|
| Note: | **Kindly fill your relevant data in the below columns** |

| S.No | Dept. Name | Date of Award | Name of the activity | Name of the Faculty/Staff | Name of the Award/ recognition | Name of the Awarding government/ recognized bodies | Year of the Award |
|---|---|---|---|---|---|---|---|
| 1 | CSE | 02-10-2019 | Best Women Faculty | Dr. D Sujatha | Best Women Faculty | International Association for Science and Technical Education. | 2019 |
| 2 | CSE | 02-10-2019 | Best Women Faculty | Dr. S Shanthi | Best Women Faculty | International Association for Science and Technical Education. | 2019 |
| 3 | CSE | 21/3/2019 | Young Scientist Award | Dr.V.Chandrasekar | Young Scientist Award | Combined Society for Educational Research and Development Dehradun, UK, India, | 2019 |
| 4 | CSE | 13/9/2018 | Best Faculty Award | Dr.V.Chandrasekar | Best Faculty Award | Global Education and Corporate Leadership Awards | 2018 |
| 5 | ECE | 09-03-2018 | Best Faculty in Engineering | Dr S Srinivasa Rao | Best Faculty in Engineering | Teaching | 2018 |
| 6 | ECE | 09-03-2018 | Best Academician | Prof P Sanjeeva Reddy | Best Academician | Teaching | 2018 |
| 7 | ECE | 03-02-2019 | Otustanding women | Dr M.Sucharitha | Otustanding women | Teaching | 2018 |

| | | | | Engineering | | Engineering | | |
|---|---|---|---|---|---|---|---|---|
| 8 | ECE | 25/10/2018 | Best Teacher | Dr S Shashikanth | Best Teacher | | Teaching | 2018 |
| 9 | ECE | 15-06-2018 | Paper Presentation | P Anitha | Paper Presentation | | Research Fellowship | 2018 |
| 10 | ECE | 18/01/2019 | Paper Presentation | G S Naveen kumar | Paper Presentation | | Research Fellowship | 2018 |
| 11 | ECE | 24/8/2018 | Paper presentation | P Swetha | Paper presentation | | Research Fellowship | 2018 |

**Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognised bodies during the year:**

**Kindly fill your relevant data in the below columns**

| Dept. Name | Date of Award | Name of the activity | Name of the Student | Name of the Award/ recognition | Name of the Awarding government/ recognized bodies | Year of the Award |
|---|---|---|---|---|---|---|
| CSE | 01/06/2018 | Hackathon (Govt. of India) | SiddharthBasker | Appreciation Award | Govt. of India & AICTE | 2018 |
| CSE | 01/06/2018 | Hackathon-2K18 | SUDHA HANISHA NAIDU | Appreciation Award | Govt. of India & AICTE | 2018 |
| CSE | 01/06/2018 | Smart indiahackathon 2018 | TagaramSushmitha | Appreciation Award | Govt. of India & AICTE | 2018 |
| CSE | 15/9/2018 | Coding Hunt | J Mounika | 2nd Prize | MRCET | 2018 |
| CSE | 22/10/2018 | Paper Presentation | M Rachana | Winners | MGIT | 2018 |
| CSE | 28/2/2019 | Paper Presentation | N Bhavana | 2nd Prize | VJIT | 2018 |
| CSE | 15/9/2018 | Abstract Presentation | N Bhavana | Winners | MRCET | 2018 |
| CSE | 22/11/2018 | Vaktha | NafisaAfreen | Winners | CMR | 2018 |
| CSE | 15/9/2018 | Tech-Init-O | NafisaAfreen | Winners | MRCET | 2018 |
| CSE | 15/9/2018 | Code Hunt | MogalRajbasheerBaig | Winners | NMREC | 2018 |
| CSE | 15/9/2018 | Quiz | A Sai Kumar | Winners | MRCET | 2018 |
| CSE | 15/9/2018 | Quiz | G Keerthi | Winners | Quiz | 2018 |
| CSE | 01/10/2019 | Poster Presentation | M Rakesh | Winners | CVSR | 2018 |

| CSE | 21/02/2019 | Paper Presentation | M Divya | Winners | HITAM | 2018 |
|-----|------------|--------------------|---------|---------|-------|------|
| CSE | 15/9/2018 | Jam | S Vinay | Winners | MRCET | 2018 |
| CSE | 21/02/2019 | Paper Presentation | S Sravani | Winners | Gurunanak | 2018 |
| CSE | 22/10/2018 | Jam | K Sagar | Winners | MGIT | 2018 |
| CSE | 15/9/2018 | Logo Quiz | Uma Devi | Winners | MRCET | 2018 |
| CSE | 15/9/2018 | General Quiz | V Pooja | Winners | NMREC | 2018 |
| CSE | 15/9/2018 | Technical quiz | ALAKUNTLA SATHISH | Participation | MRITS | 2018 |
| CSE | 15/9/2018 | Technical quiz | M A SOHAIL | Participation | MRITS | 2018 |
| CSE | 15/9/2018 | Technical quiz | BATHULA KOTI REDDY | Participation | MRITS | 2018 |
| CSE | 15/9/2018 | Technical quiz | MALOTH SHALENDER JADAV | Participation | MRITS | 2018 |
| CSE | 15/9/2018 | Technical quiz | MEKALA LASYA | Participation | MRITS | 2018 |
| CSE | 15/9/2018 | Technical quiz | BITLA RACHANA | Participation | MRITS | 2018 |
| CSE | 15/9/2018 | Technical quiz | MANDUMULA ANUSHA | Participation | MRITS | 2018 |
| CSE | 15/9/2018 | Technical quiz | CHINTHA MADHUKAR | Participation | MRITS | 2018 |
| CSE | 15/9/2018 | Paper Presentation | G SAI TEJA | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Paper Presentation | GOUNDLA PRAVALLIKA | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Paper Presentation | GUDELLI VINAY | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Paper Presentation | PRANEET REDDY SABBASANI | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Paper Presentation | SNIGDHA PANI | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Paper Presentation | C N VAISHNAVI | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Paper Presentation | M PAVAN KUMAR | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Paper Presentation | AMULA GEETHA PRIYA | Participation | MRECW | 2018 |

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|---|---|---|---|---|---|---|
| CSE | 15/9/2018 | Paper Presentation | CHEVVURI YOSITHA | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Paper Presentation | AILI SAI KUMAR | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | ALURU SOMASHEKAR | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | B SIDDHARTH | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | RACHANA GHATADI | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | G.SOUJANYA | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | J.MOUNIKA | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | K.SHARMILA | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | MALOTH DIVYA | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | CHAPA VISHAL CHANDRA | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | SRAVANAM DASARADH | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | Thulluru raghava | Participation | MRECW | 2018 |
| CSE | 15/9/2018 | Mock inteview | B SIRISHA | Participation | MRECW | 2018 |
| CSE | 28/2/2019 | System Craft | NEELA RUPA | Participation | VNRVJIET | 2018 |
| CSE | 28/2/2019 | System Craft | PABBA VAISHNAVI | Participation | VNRVJIET | 2018 |
| CSE | 28/2/2019 | System Craft | AKULA SANDEEP | Participation | VNRVJIET | 2018 |
| CSE | 28/2/2019 | System Craft | S VINAY | Participation | VNRVJIET | 2018 |
| CSE | 28/2/2019 | System Craft | Taleda Adarsh | Participation | VNRVJIET | 2018 |
| CSE | 28/2/2019 | System Craft | PRAJWAL DEV | Participation | VNRVJIET | 2018 |
| CSE | 28/2/2019 | System Craft | MEDIKONDA THARUN | Participation | VNRVJIET | 2018 |
| CSE | 28/2/2019 | System Craft | Vithanala Harish | Participation | VNRVJIET | 2018 |
| CSE | 28/2/2019 | System Craft | ASHUTOSH MEHTA B SIRISHA | Participation | VNRVJIET | 2018 |
| CSE | 28/2/2019 | System Craft | ANURI PRATIMA | Participation | VNRVJIET | 2018 |

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|---|---|---|---|---|---|---|
| CSE | 15/9/2018 | Electric Puzz | Kota Niharika Reddy | Participation | NREC | 2018 |
| CSE | 15/9/2018 | Electric Puzz | Ravula Manaswini | Participation | NREC | 2018 |
| CSE | 15/9/2018 | Electric Puzz | K Saikrishna | Participation | NREC | 2018 |
| CSE | 15/9/2018 | Electric Puzz | Rishabh Awasthi | Participation | NREC | 2018 |
| CSE | 15/9/2018 | Electric Puzz | Ch Sai Likhith | Participation | NREC | 2018 |
| CSE | 15/9/2018 | Electric Puzz | Shaik Adil | Participation | NREC | 2018 |
| CSE | 15/9/2018 | Electric Puzz | Basil Abdul Faheem | Participation | NREC | 2018 |
| CSE | 15/9/2018 | Electric Puzz | Amber prakash rai | Participation | NREC | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Ankam Vasanth Kumar | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Arangi Varaha Krishna | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Anuri Pratima | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Annasaram Nikhitha | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | M. VIJAY KRISHNAN | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | P. BINDHU REDDY | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | B.Jyotsna Priya | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | A.SAI KUMAR | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Harshitha Mandru | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Shruty Suman | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | M.Apoorva Siri | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon | M.Sowri Ragesh | Participation | Govt.of India | 2018 |

| CSE | | 2019 | | | | |
|-----|---|------|---|---|---|---|
| CSE | 01/03/2019 | Smart India Hackathon 2019 | K.Bhageerath Reddy | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Anuri Pratima | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Annasaram Nikhitha | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | M. VIJAY KRISHNAN | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | P. BINDHU REDDY | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | B.Jyotsna Priya | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | A.SAI KUMAR | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Harshitha Mandru | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Shruty Suman | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | M.Apoorva Siri | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | M.Sowri Ragesh | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | K.Bhageerath Reddy | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | U.Sandeep | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | K.Sai Pranay | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Ch.Sathvik | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Vandana Dubey | Participation | Govt.of India | 2018 |

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|---|---|---|---|---|---|---|
| CSE | 01/03/2019 | Smart India Hackathon 2019 | MEDAGANI SUJALA | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | S.MADHUSREE | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | SUDHA HANISHA | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | THAKUR AKSHITHA | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | SHARANYA SANDELA | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Jyothish Allimilli | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | A.Rambabu | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | N. Aravind | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | A.Sindhura | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Ch.Sathvik | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Vandana Dubey | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | MEDAGANI SUJALA | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | S.Vamsi Krishna | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Ashutosh jena | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | atluri sravya | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | BHUPATHIRAJU MADHAVI | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | K.HIMA BINDU | Participation | Govt.of India | 2018 |

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|------|------------|------------------------------|------------------------------|---------------|----------------|------|
| CSE | 01/03/2019 | Smart India Hackathon 2019 | P. ANUGNA | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Tammineedi Jyoshna | Participation | Govt.of India | 2018 |
| CSE | 01/03/2019 | Smart India Hackathon 2019 | Venkat Sai Ram Nadakudati | Participation | Govt.of India | 2018 |
| IT | 17/10/2018 | Sudhee 2k19 | P NIKHIL CHOWDARY | Winners | CBIT | 2018 |
| IT | 17/10/2018 | Sudhee 2k19 | RAAVI SAIDEEP | Winners | CBIT | 2018 |
| IT | 21/02/2019 | Esparto 2k19 | SESHAM SAI RAM | Winners | HITAM | 2018 |
| IT | 21/02/2019 | Esparto 2k19 | M PRABHAT SAI RAO | Winners | HITAM | 2018 |
| IT | 17/10/2018 | Sudhee 2k19 | LAKAVATH VINAYAK | Winners | CBIT | 2018 |
| IT | 17/10/2018 | Sudhee 2k19 | K AISHWARYA | Winners | CBIT | 2018 |
| IT | 15/9/2018 | Medhas 2k19 | C.MAHESH | Winners | NMREC | 2018 |
| IT | 21/02/2019 | Esparto 2k19 | C.DIVYASAGAR | Winners | HITAM | 2018 |
| IT | 15/9/2018 | Medhas 2k19 | VIJAY KRISHNA | Winners | NMREC | 2018 |
| IT | 15/9/2018 | Medhas 2k19 | V SWATHI | Winners | NMREC | 2018 |
| IT | 21/02/2019 | Technofest 2k19 | SHREYAS M HUILGOL | Winners | Gurunanak | 2018 |
| IT | 01/10/2019 | Aagama 2k19 | S VISHNUVARDHAN | Winners | CVSR | 2018 |
| IT | 21/02/2019 | Technofest 2k19 | MOHD AZHAR ALI | Winners | Gurunanak | 2018 |
| IT | 21/02/2019 | Technofest 2k19 | K BHAGIRATH | Winners | Gurunanak | 2018 |
| IT | 01/10/2019 | Aagama 2k19 | G SHRAVYA | Winners | CVSR | 2018 |
| IT | 21/02/2019 | Technofest 2k19 | D PAVAN KALYAN | Winners | Gurunanak | 2018 |
| IT | 15/9/2018 | Medhas 2k19 | A BHASKAR | Winners | NMREC | 2018 |
| IT | 15/9/2018 | Medhas 2k19 | VIJAY | Winners | NMREC | 2018 |
| IT | 15/9/2018 | Medhas 2k19 | R GEETANJALI | Winners | NMREC | 2018 |

| IT | 28/2/2019 | Acumen 2k19 | DIMPLE LALWANI | Winners | Vasavi Engg college | 2018 |
|---|---|---|---|---|---|---|
| IT | 28/2/2019 | Acumen 2k19 | B RAVALI | Winners | Vasavi Engg college | 2018 |
| IT | 15/9/2018 | Technical quiz | MALGE ANJALI | Participation | MRITS | 2018 |
| IT | 15/9/2018 | Technical quiz | MAREPALLY SIRI CHANDANA | Participation | MRITS | 2018 |
| IT | 15/9/2018 | Technical quiz | ALETI BHASKAR | Participation | MRITS | 2018 |
| IT | 15/9/2018 | Technical quiz | JAKKMPUDI SAI USHA SREE | Participation | MRITS | 2018 |
| IT | 15/9/2018 | Paper Presentation | GORANTLA SHRAVYA | Participation | MRECW | 2018 |
| IT | 15/9/2018 | Paper Presentation | KATIREDDY SAIPRASANNA | Participation | MRECW | 2018 |
| IT | 15/9/2018 | Paper Presentation | MYADAM MRUDHULA | Participation | MRECW | 2018 |
| IT | 15/9/2018 | Mock inteview | NEYYAN JISHA | Participation | MRECW | 2018 |
| IT | 15/9/2018 | Mock inteview | MOHD AZHAR ALI | Participation | MRECW | 2018 |
| IT | 15/9/2018 | Mock inteview | REGONDA CHANDRA SHEKAR | Participation | MRECW | 2018 |
| IT | 15/9/2018 | Mock inteview | SANTOLLA DEEPIKA | Participation | MRECW | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | B.SAI PRASAD | Participation | Govt.of India | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | A.Gayatri Sowmy | Participation | Govt.of India | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | Abraham Anandkumar Nirmal | Participation | Govt.of India | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | N.Sushma Sree | Participation | Govt.of India | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | M.Shravan Reddy | Participation | Govt.of India | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | Vikrant Upadhyay | Participation | Govt.of India | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | Valaboju Chandralekha | Participation | Govt.of India | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | V.Sree Roopa | Participation | Govt.of India | 2018 |

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|---|---|---|---|---|---|---|
| IT | 01/03/2019 | Smart India Hackathon 2019 | Regonda.Chandra Shekar | Participation | Govt.of India | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | A.Bhaskar | Participation | Govt.of India | 2018 |
| IT | 01/03/2019 | Smart India Hackathon 2019 | Madhur Vyas | Participation | Govt.of India | 2018 |
| ECE | 15/9/2018 | Technical quiz | ANJALI JAYANTI | Participation | MRITS | 2018 |
| ECE | 15/9/2018 | Technical quiz | B DEEPAK | Participation | MRITS | 2018 |
| ECE | 15/9/2018 | Technical quiz | BIYYANI PRANITHA | Participation | MRITS | 2018 |
| ECE | 15/9/2018 | Technical quiz | CHINTA NAGADEVI | Participation | MRITS | 2018 |
| ECE | 15/9/2018 | Technical quiz | D SRIKANTH | Participation | MRITS | 2018 |
| ECE | 15/9/2018 | Technical quiz | DASI SRUTHI | Participation | MRITS | 2018 |
| ECE | 15/9/2018 | Technical quiz | DURGAM SHIREESHA | Participation | MRITS | 2018 |
| ECE | 15/9/2018 | Technical quiz | G RAJITHA | Participation | MRITS | 2018 |
| ECE | 15/9/2018 | Paper Presentation | GANESH SAPARE | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Paper Presentation | GANTA TEJA | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Paper Presentation | GUMPU BALAVENI | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Paper Presentation | IMMADI SAI KUMAR | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Paper Presentation | JANGITI ARUN | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Paper Presentation | JENU HARANADH | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Paper Presentation | K SIDDHARTHA | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Paper Presentation | AKULA AKASH | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Paper Presentation | ARUPULA PAVAN KUMAR | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Paper Presentation | B NIKHIL RAJ | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Mock inteview | BALU REDDY VAISHNAVI | Participation | MRECW | 2018 |

| ECE | 15/9/2018 | Mock inteview | ANJALI JAYANTI | Participation | MRECW | 2018 |
|-----|-----------|---------------|----------------|---------------|-------|------|
| ECE | 15/9/2018 | Mock inteview | BATHULA AKHIL BHARADWAJ | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Mock inteview | BURGULA SATYA SAI PRAMOD | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Mock inteview | G SUMA | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Mock inteview | GADA SRI VENKATESHH | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Mock inteview | GODA SAI TEJASWINI | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Mock inteview | GUDIMALLA SRIKANTH | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Mock inteview | GUNTI MALLIKARJUN | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Mock inteview | IMMADI SAI KUMAR | Participation | MRECW | 2018 |
| ECE | 15/9/2018 | Mock inteview | MAHIMA SALLA | Participation | MRECW | 2018 |
| ECE | 28/2/2019 | System Craft | BANOTH AKHIL | Participation | VNRVJIET | 2018 |
| ECE | 28/2/2019 | System Craft | BANOTH VIJAY | Participation | VNRVJIET | 2018 |
| ECE | 28/2/2019 | System Craft | BARLA MEDHINI | Participation | VNRVJIET | 2018 |
| ECE | 28/2/2019 | System Craft | BEGARI UDAY KUMAR | Participation | VNRVJIET | 2018 |
| ECE | 28/2/2019 | System Craft | BELLAMKONDA SIDDHU | Participation | VNRVJIET | 2018 |
| ECE | 28/2/2019 | System Craft | BHUKYA SANTHOSH | Participation | VNRVJIET | 2018 |
| ECE | 28/2/2019 | System Craft | BODDULA KIRAN KUMAR | Participation | VNRVJIET | 2018 |
| ECE | 28/2/2019 | System Craft | GOPU RAMYA | Participation | VNRVJIET | 2018 |
| ECE | 28/2/2019 | System Craft | DIVVELA SATHVIKA | Participation | VNRVJIET | 2018 |
| ECE | 28/2/2019 | System Craft | H VARSHA | Participation | VNRVJIET | 2018 |
| ECE | 15/9/2018 | Electric Puzz | CHENNA SONY | Participation | NREC | 2018 |
| ECE | 15/9/2018 | Electric Puzz | K SUMEDHA SAI | Participation | NREC | 2018 |
| ECE | 15/9/2018 | Electric Puzz | GAJA SAI RAM | Participation | NREC | 2018 |

| ECE | 15/9/2018 | Electric Puzz | KAMATHAM THANUJA | Participation | NREC | 2018 |
|-----|-----------|---------------|-------------------|---------------|------|------|
| ECE | 15/9/2018 | Electric Puzz | BURRA ESHWAR | Participation | NREC | 2018 |
| ECE | 15/9/2018 | Electric Puzz | KURISHETI MANOJ | Participation | NREC | 2018 |
| ECE | 15/9/2018 | Electric Puzz | CH N V SAI PRANEETH | Participation | NREC | 2018 |
| ECE | 15/9/2018 | Electric Puzz | MANGISHETTI AKHIL | Participation | NREC | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Mothe Aryan Hrushik | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Pappulla Laxmipathy Dhaman | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Meni Saketh Ram | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Pothu Pramadha | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Nakka Prathyusha | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Musthyala Shravya | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | K.Sai Sravanthi | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | I Maneesha | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | G.Sai Tejaswini | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | G.Naga Veera Kumari | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | K.Divya Sree | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | G.Satya Priya | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Kamojjala Shivani | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Jella Shravya | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Gudimetla V L K Tejaswi | Participation | Govt.of India | 2018 |

| ECE | 01/03/2019 | Smart India Hackathon 2019 | Jammula Sai Deepthi | Participation | Govt.of India | 2018 |
|-----|-----------|----------------------------|---------------------|---------------|---------------|------|
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Jangiti Arun | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Jala Bipin Sai | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Kroviddi Madhulash Babu | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Kandlakunta Siddharth | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Gajje Yashwanth | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Kamsali Keerthi | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Kotha Suvarna Rathna Kumari | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Kovuri Sreesha | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Kandunuri Shivani | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Pelluri V S S N Anvesh | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Prathik Mahagowli | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Palasa Sushma | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Sandhela Sharanya | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Kamalapuram Abhirami Aishwarya | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Aravapalli Vijaya Sai Abhiram | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Anjali Jayanti | Participation | Govt.of India | 2018 |

| | | | | | | |
|---|---|---|---|---|---|---|
| ECE | 01/03/2019 | Smart India Hackathon 2019 | A.Joga Rao | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Athota Dheeraj | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Balguri Naveen Sagar | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Ambavarapu Jaya Krishna Reddy | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | J.M.A Vikas Teja | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Chettipelli Sushma Swaraj | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Damera Sreeja | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | K.Naveen Kumar | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Madana Sandeep Reddy | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Marka Sai Charan | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | S.Sai Aditya | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Ranga Siva Sai | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Aashritha Neeli | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Neeraj Kedhara | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Tammineedi Jyoshna | Participation | Govt.of India | 2018 |
| ECE | 01/03/2019 | Smart India Hackathon 2019 | Venkat Sai Ram Nadakudati | Participation | Govt.of India | 2018 |
| MECH | 12/11/2018 | Design Competition | G. SAI NATH | FIRST | Design Competition | 2018 |

| MECH | 12/11/2018 | Design Competition | SHAIK SHAGEEL | SECOND | Design Competition | 2018 |
|------|-----------|---------------------|----------------|---------|---------------------|------|
| MECH | 15/9/2018 | Technical Quiz | V.GOPICHAND , S.AHMED ALI, S.DURGA PRASAD | FIRST | Technical Quiz | 2018 |
| MECH | 15/9/2018 | Technical Quiz | E.GOPINATH , K.SAI THARUN, B. DEEPIKA | SECOND | Technical Quiz | 2018 |
| MECH | 15/9/2018 | Poster Presentation | A EKAMBARA RAO, AMRENDRA KUMAR PANDEY BIRUDUKOTA SRI SARATH CHANDRA | FIRST | Poster Presentation | 2018 |
| MECH | 15/9/2018 | Poster Presentation | SARDAR RANDHEER SINGH , SATHENAPALLY JANANI , SEEMA VAMSHI RAGHAVA | SECOND | Poster Presentation | 2018 |
| MECH | 15/9/2018 | Poster Presentation | M RAKESH , K BHANU SAI PRADEEP | FIRST | Poster Presentation | 2018 |
| MECH | 15/9/2018 | Poster Presentation | K SANTHOSH VARA PRASAD CHARY , K SANDEEP | SECOND | Poster Presentation | 2018 |
| MECH | 13/03/2019 | I-Talk | G. VAMSHI | FIRST | I-Talk | 2018 |
| MECH | 13/03/2019 | I-Talk | A . RAHUL | SECOND | I-Talk | 2018 |
| MECH | 15/3/2019 | 2-Minutes MECH Premier Show | ANISH BANIYA | FIRST | 2-Minutes MECH Premier Show | 2018 |
| MECH | 15/3/2019 | 2-Minutes MECH Premier Show | M.JAYA KUMAR | SECOND | 2-Minutes MECH Premier Show | 2018 |
| MECH | 22/10/2018 | Mock Interview & Debate | AMARANDRA PANDEY | FIRST | Mock Interview & Debate | 2018 |
| MECH | 22/10/2018 | Mock Interview & Debate | MD.RAZAK | SECOND | Mock Interview & Debate | 2018 |
| MECH | 15/9/2018 | Mock Interview &Debate | SAI SRIKAR GORANTLA | THIRD | MRCET | 2018 |
| MECH | 15/9/2018 | Quiz, mock interview, paper presentation | AMRENDRA KUMAR PANDEY | PARTICIPATED | MRCET | 2018 |
| MECH | 01/03/2017 | SAE INDIA OCTOBER 2017 | BATHULA MADHU | PARTICIPATED | Govt. of India | 2018 |
| MECH | 01/03/2019 | IPEC 2018, NSC 2018 | KANUGANTI VINAY KUMAR | PARTICIPATED | Govt. of India | 2018 |
| MECH | 15/9/2018 | Quiz:Jan-21/2016 in Coval-2K16 | THANNIRU SAINATH GOUD | PARTICIPATED | MRCET | 2018 |

| MECH | 01/03/2019 | ProKart Championship, SAE | YASASWINI VEMURI | PARTICIPATED | Govt. of India | 2018 |
|------|------------|---------------------------|------------------|--------------|----------------|------|
| MECH | 01/03/2019 | Smart India Hackathon 2018 | MUMTAZ VENDIKATLA | PARTICIPATED | Govt. of India | 2018 |
| MECH | 13/03/2019 | Automobile work shop in IIT Hyderabad by elanan envision | PAIDI KRUPA SAGAR | PARTICIPATED | IIT Hyderabad | 2018 |
| MECH | 13/03/2019 | Automobile work shop in by elanan envision | VINCENT PRASHANTH SILVESTER | PARTICIPATED | IIT Hyderabad | 2018 |
| MECH | 13/03/2019 | Participation in go-kart championship in March2018 | ALAVALA RAVINDRA REDDY | PARTICIPATED | IPEC | 2018 |
| MECH | 11/11/2018 | Work shop on Auto Machining conducted by for 2 days. | T LOKESH KUMAR | PARTICIPATED | Entrench and Electronics | 2018 |
| MECH | 09/12/2018 | Internship program in for 15 days. | T LOKESH KUMAR | PARTICIPATED | Bharat Heavy Electricals Ltd. | 2018 |
| MECH | 21/02/2019 | National Kart racing Championship, I | ANTHONY REDDY | PARTICIPATED | Ibrahimpatnam | 2018 |
| MECH | 15/9/2018 | Techriot | RAVITEJA.C.S | PARTICIPATED | MRITS | 2018 |
| MECH | 15/9/2018 | Techriot | SRIKANTH YADAV | PARTICIPATED | MRITS | 2018 |
| MECH | 15/9/2018 | Techriot | VISWAJITH | PARTICIPATED | MRITS | 2018 |
| MECH | 15/9/2018 | Techriot | CH NAGARAJ | PARTICIPATED | MRITS | 2018 |
| MECH | 15/9/2018 | Techriot | G SAI KRISHNA | PARTICIPATED | MRITS | 2018 |
| MECH | 14/11/2018 | National Science Fair, MLRIT | ADITYA VARMA | PARTICIPATED | MLRIT | 2018 |
| MECH | 14/11/2018 | National Science Fair, MLRIT | K SRIKANTH YADAV | PARTICIPATED | MLRIT | 2018 |
| MECH | 14/11/2018 | National Science Fair, | RAVITEJA CS | PARTICIPATED | MLRIT | 2018 |
| MECH | 28/2/2019 | Sri Sharada Seva Nidhi Foundation, | K TARUN | PARTICIPATED | Thungathurthy | 2018 |
| MECH | | Participation in Smart India Hackathon | A VAMSHI GOUD | PARTICIPATED | Govt. of India | 2018 |
| MECH | 01/03/2019 | 3day Workshop on Engine | CRISS | PARTICIPATED | IIT Hyderabad | 2018 |

| | | Assembly and disassembly | | | | |
|---|---|---|---|---|---|---|
| MECH | 13/03/2019 | 3day Workshop on Engine Assembly and disassembly | ARUN KUMAR | PARTICIPATED | IIT Hyderabad | 2018 |
| MECH | 13/03/2019 | Internship | CRISS | PARTICIPATED | Vizag Steel plant | 2018 |
| MECH | 28/2/2019 | Certified Ethical Hacker | SUJAN | PARTICIPATED | IIT Hyderabad | 2018 |
| MECH | 13/03/2019 | Ethical hacking | SUJAN | Ist prize | St Martins Engineering college, organized by | 2018 |
| MECH | 15/9/2018 | Webcasting operator in | A DASARATH REDDY | PARTICIPATED | Telangana State election both assembly and parliament | 2018 |
| MECH | | Photo Bonanza Event | M JAYAKUMAR | PARTICIPATED | MRCE | 2018 |
| MECH | 15/9/2018 | Photo Bonanza Event | L JOSEPH KISHORE | PARTICIPATED | MRCE | 2018 |
| MECH | 15/9/2018 | Photo Bonanza Event | SHALOM KAMAL PRASAD | PARTICIPATED | MRCE | 2018 |
| MECH | 15/9/2018 | CHESS | N NAVYA | Participation | JNTUH | 2018 |
| ANE | 22/10/2018 | BASKETBALL | MEGHANA PREETHI | Participation | JNTUH | 2018 |
| ANE | 22/10/2018 | Paper Presentation | MOHAMMED YOUSUFUDDIN | Participation | VNRVJIET | 2018 |
| ANE | 28/2/2019 | Paper Presentation | MOTOR SAI CHAITANYA YADAV | Participation | VNRVJIET | 2018 |
| ANE | 28/2/2019 | Paper Presentation | MUDADLA VINODKUMAR | Participation | VNRVJIET | 2018 |
| ANE | 28/2/2019 | Paper Presentation | NEMALIDINNE CHENNA REDDY | Participation | VNRVJIET | 2018 |
| ANE | 28/2/2019 | Paper Presentation | NERELLA JOEL JOSHUA | Participation | VNRVJIET | 2018 |
| ANE | 28/2/2019 | Paper Presentation | NOMULA HARIPAVAN | Participation | VNRVJIET | 2018 |
| ANE | 28/2/2019 | Poster Presentation | PRAJAPATH MUKESH KUMAR | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Poster Presentation | PULLURI AJAY KUMAR | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Poster Presentation | RACHARLA RAHUL KUMAR VARMA | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Poster Presentation | SAMPATHI PRIYANKA | Participation | CMRIT | 2018 |

| | | | | | | |
|---|---|---|---|---|---|---|
| ANE | 14/12/2018 | Poster Presentation | SANDEEP SINGH | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Poster Presentation | SHAIK DILDHAR | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Poster Presentation | SHAIK RAWOOF | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Mock Interview | SHIVA KUMAR MALLIPEDDI | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Mock Interview | SHREE GOVIND SINGH | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Mock Interview | SIRIPURAM VINEETH REDDY | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Mock Interview | SRI PARAMKUSHAM KIRAN | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Mock Interview | SYED ABID | Participation | CMRIT | 2018 |
| ANE | 14/12/2018 | Group Discussion | SIDAM KRISHNA KANTH | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Group Discussion | THIRUMALA SANTHOSH KUMAR | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Group Discussion | THOTA SAINIKHIL | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Group Discussion | THUNDLA VAMSHI KRISHNA | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Group Discussion | TIRUMANI DURGA PRASAD | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Group Discussion | TIRUPATHI HARIKRISHNA | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Group Discussion | CHEETHIRALA SATYANARAYANA | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | BRIDGE BUILDING | ROLLAKANTI ASHRITHA | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | BRIDGE BUILDING | E SHANMUKH KUMAR | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | BRIDGE BUILDING | P PRATHYUSHA REDDY | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | BRIDGE BUILDING | RLAKSHMI HARSHITHA | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | WORK HANDLING | THOGARU SINDHUJA | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | WORK HANDLING | R SAI CHARITHA | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | WORK HANDLING | MOHAMMED YOUSUFUDDIN | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Mechanical Engineering design with | MOTOR SAI CHAITANYA YADAV | Participation | MLRIT | 2018 |

| | | CAD | | | | 2018 |
|---|---|---|---|---|---|---|
| ANE | 14/11/2018 | Mechanical Engineering design with CAD | MUDADLA VINODKUMAR | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Mechanical Engineering design with CAD | NEMALIDINNE CHENNA REDDY | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Mechanical Engineering design with CAD | NERELLA JOEL JOSHUA | Participation | MLRIT | 2018 |
| ANE | 14/11/2018 | Oil Seal Design | NOMULA HARIPAVAN | Participation | MLRIT | 2018 |
| ECE | 19/01/2019 | Robo making | S Sai Aditya | Participation | GRIET | 2019 |
| ECE | 21/12/2018 | innovative project | Kritika Goyal | Participation | JNTUH | 2018 |
| ECE | 19/01/2019 | Debugging | Preetham Katakam | Participation | GRIET | 2019 |
| ECE | 19/10/2018 | Code mania | M Sanjay Kumar | Participation | VNRVJIET | 2018 |
| ECE | 24/8/2018 | Paper presentation | Boddula Leela Bhavani | Participation | MRECW | 2018 |
| ECE | 24/8/2018 | Technical Quiz | Sirisha Domala | Participation | MRECW | 2018 |
| ECE | 17/8/2018 | Paper presentation | Ch Lahari | Participation | MREC | 2018 |
| ECE | 19/10/2018 | Code mania | D Rohith goud | Participation | VNRVJIET | 2018 |
| ECE | 14/09/2018 | Poster presentation | Karanam Manasa | Participation | VCE | 2018 |

| 3.6.3 QₙM | *Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the year (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organized in collaboration with industry, community and NGOs):* <br><br> Data Requirement: <br><br> • Name and number of the extension and outreach programs <br> • Name of the collaborating agency: Non- government, industry, community with contact details |
|---|---|

# 3. Research, Innovations and Extension

## 3.6 Extension Activities

**3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the year**
**(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)**

## Academic Year: 2018 -2019

| Sr No | Name of the activity | Organising unit/ agency/ collaborating agency | Year of the activity | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|---|---|---|---|
| 1 | HARITHA HARAM PROGRAMME | MRCET | 2018-19 | 1 | 120 |
| 2 | NSS SPECIAL CAMP PROGRAMME | MRCET | 2018-19 | 1 | 100 |
| 3 | ANTI-RAGGING & SHE TEAMS PROGRAMME | MRCET | 2018-19 | 1 | 100 |
| 4 | NSS SPECIAL CAMP PROGRAMME | MRCET | 2018-19 | 1 | 110 |
| 5 | Special Village Camp | NSS-MRCET | 2018-2019 | 25 | 150 |
| 6 | Road Safety | NSS-MRCET | 2018-2019 | 15 | 124 |
| 7 | Healthy Village-Healthy Bharath | NSS-MRCET | 2018-2019 | 9 | 95 |
| 8 | Rally For Soldiers | NSS-MRCET | 2018-2019 | 6 | 126 |
| 9 | Blood Donation Camp | NSS-MRCET | 2018-2019 | 12 | 95 |
| 10 | World earth day | NSS-MRCET | 2018-2019 | 26 | 230 |
| 11 | Yoga | NSS-MRCET | 2018-2019 | 47 | 305 |
| 12 | Plantation  Awareness Programme | NSS-MRCET | 2018-2019 | 38 | 310 |
| 13 | e-waste management | NSS-MRCET | 2018-2019 | 14 | 85 |
| 14 | Medical Camp | NSS-MRCET | 2018-2019 | 16 | 75 |
| 15 | Go Green | NSS-MRCET | 2018-2019 | 28 | 315 |

| 3.6.4<br><br>Q$_n$M | *Average percentage of students participating in extension activities listed at 3.6.3 above during the year*<br><br>Data Requirement:<br><br>• Name of the activity<br>• Name of the scheme<br>• Year of the activity |
|---|---|

**3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last 5 years**

## Academic Year: 2018 -2019

| Sr No | Name of the activity | Organising unit/ agency/ collaborating agency | Name of the scheme | Year of the activity | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|---|---|---|---|---|
| 1 | Govt. of Telangana | MRCET | HARITHA HARAM PROGRAMME | 1 | 120 | Govt. of Telangana |
| 2 | National Service Scheme | MRCET | NSS SPECIAL CAMP PROGRAMME | 1 | 100 | National Service Scheme |
| 3 | National Service Scheme | MRCET | ANTI-RAGGING & SHE TEAMS PROGRAMME | 1 | 100 | National Service Scheme |
| 4 | National Service Scheme | MRCET | NSS SPECIAL CAMP PROGRAMME | 1 | 110 | National Service Scheme |
| 5 | Swachh Bharat | NSS-MRCET | Special Village Camp | 25 | 150 | Swachh Bharat |
| 6 | Swachh Bharat | NSS-MRCET | Road Safety | 15 | 124 | Swachh Bharat |
| 7 | National Service Scheme | NSS-MRCET | Healthy Village-Healthy Bharath | 9 | 95 | National Service Scheme |
| 8 | National Service Scheme | NSS-MRCET | Rally For Soldiers | 6 | 126 | National Service Scheme |
| 9 | National Service Scheme | NSS-MRCET | Blood Donation Camp | 12 | 95 | National Service Scheme |
| 10 | Swachh Bharat | NSS-MRCET | World earth day | 26 | 230 | Swachh Bharat |
| 11 | Health Scheme | NSS-MRCET | Yoga | 47 | 305 | Health Scheme |
| 12 | National Service Scheme | NSS-MRCET | Plantation Awareness Programme | 38 | 310 | National Service Scheme |
| 13 | National Service Scheme | NSS-MRCET | e-waste management | 14 | 85 | National Service Scheme |
| 14 | Health Scheme | NSS-MRCET | Medical Camp | 16 | 75 | Health Scheme |
| 15 | Swachh Bharat | NSS-MRCET | Go Green | 28 | 315 | Swachh Bharat |

| 3.7.1 QnM | ***Number of Collaborative activities in the year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work*** |
|---|---|
| | Data Requirement: <br><br> • Title of the collaborative activity <br> • Name of the collaborating agency with contact details <br> • Source of financial support <br> • Year of collaboration <br> • Duration <br> • Nature of the activity |

***3.7.1 Number of Collaborative activities in the year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work***

| Title of the collaborative activity | Collaborating agency with contact details | Source of financial support | Year of collaboration | Duration | Nature of the activity |
|---|---|---|---|---|---|
| Springer International Conference on Signal Processing and of Computing (ICSCSP – 2018) | Faculty of CSE,IT,ECE Departments | AICTE | 2 days | Research | AICTE |
| Second Springer International Conference on Signal Processing and of Computing (ICSCSP – 2019) | Faculty of CSE,IT,ECE Departments | CSIR | 2 days | Research | CSIR |
| IoT Based Health Monitoring System | Dr.D.Sujatha | Web Cognize, Hyderabad | 365 | Software Development | Web Cognize, Hyderabad |
| Fire Accident Prediction Using Cv And Machine Learning | Dr.D.Sujatha | M/S Admire Solutions, Coimbatore | 365 | Software Development | M/S Admire Solutions, Coimbatore |
| Mobile Based Anti-Theft Android Application | Dr.V.Chandrasekar | M/S Saky Technologies, Hyderabad | 365 | Software Development | M/S Saky Technologies, Hyderabad |
| Security and Efficient in Attribute – Based Data Sharing | Dr.D.Sujatha | M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad | 365 | Software Development | M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad |
| Junior Software Developer | Diploma Students | PMKVY-TI Govt.of India | 182 | Software Development | PMKVY-TI Govt.of India |
| Internship | Shashank Mahaseth | Buddha Air Pvt. Ltd. | 7 | Internship | Buddha Air Pvt. Ltd. |
| Internship | Manohar and stephen | Air India Express Hanger | 7 | Internship | Air India Express |

| | | Trivandrum, Kerala | | | Hanger Trivandrum, Kerala |
|---|---|---|---|---|---|
| Internship | Dhanalakshmi | GTRE, DRDO, Bangalore | 30 | Internship | GTRE, DRDO, Bangalore |
| Project Work | Sreelekha Sharma | Defence Research and Development Labaratory, Hyderabad | 90 | Project Work | Defence Research and Development Labaratory, Hyderabad |
| Internship | | UNIMAS, Malaysia | 7 | Internship | UNIMAS, Malaysia |
| Industry Institute collaboration | J saikumar Reddy | EdCIL(India) Limited | 21 days | Internship | EdCIL(India) Limited |
| Industry Institute collaboration | S Abhninav | NRSC, Hyderabad | 12 days | Internship | NRSC, Hyderabad |
| Industry Institute collaboration | G Vamsi Krishna | EdCIL(India) Limited | 30 | Internship | EdCIL(India) Limited |
| Industry Institute collaboration | C deepika | Hello Robotics | 30 | Project work | Hello Robotics |
| Industry Institute collaboration | Rohit Goud | Hello Robotics | 30 | Internship | Hello Robotics |
| Industry Institute collaboration | Vishnu Vardhan | Hello Robotics | 30 | Project work | Hello Robotics |

### 3.7.2 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the year (only functional MoUs with ongoing activities to be considered)

| Organization with which MoU is signed | Name of the institution/ industry/ corporate house | Year of signing MoU | Duration | List of the actual activities under each MoU | Number of students/teachers participated under MoUs |
|---|---|---|---|---|---|
| Universiti Sains Malaysia | Universiti Sains Malaysia | 13.02.2019 | 3 months | Dynamic analysis for FRP composites | 30 |
| Bandung Institute of Technology | Bandung Institute of Technology | 21.03.2019 | 6 months | Drop mass impact testing | 25 |
| Unversiti Tun Hussein Onn Malaysia | Unversiti Tun Hussein Onn Malaysia | 23.05.2019 | 6 months | Development of hybrid finger model | 26 |
| Defence University College of Engineering | Defence University College of Engineering | 05.02.2019 | 6 months | Smart control of hylicopter blade using FEM | 33 |
| Defence University College of Engineering | Defence University College of Engineering | 13.05.2019 | 2 months | Composite structural analysis | 26 |
| Shiv Nadar University (SNU) | Shiv Nadar University (SNU) | 07-01-2019 | 2 weeks | Dynamic analysis for FRP Composites | 20 |
| CMR Technical Campus | CMR Technical Campus | 22-04-2019 | 2 weeks | 3D printing for biomedical applications | 120 |

| | | | | | |
|---|---|---|---|---|---|
| Central Institute of Plastic Technology | Central Institute of Plastic Technology | 15-04-2019 | 2 months | Bio-degradable testing Applications | 35 |
| Shiv Nadar University (SNU) | Shiv Nadar University (SNU) | 15-02-2019 | 2 months | Bio-dynamic analysis using EMG | 25 |
| Indian Institute of Information Technology and Management | Indian Institute of Information Technology and Management | 18-03-2019 | 2 months | Ergonomic based human handle Development | 25 |
| Vellore Institute of Technology,VIT,Vellor E | Vellore Institute of Technology,VIT,Vellor E | 12-02-2019 | 2 months | Thermal Imaging Processes | 25 |
| Karunya University,Coimbator E | Karunya University,Coimbator E | 05-06-2018 | 2 months | Testing of Nano fluids | 25 |
| IIT Bhilai | IIT Bhilai | 17-09-2018 | 2 months | Bio-degradable materials for dental applications | 20 |
| RC Toys | RC Toys | 12-02-2019 | 2 years | Workshop and Training related to Aero modelling | 220 |