

Criterion III – Research, Innovations and Extension

| Metric No. | Key Indicator - 3.1 Promotion of Research and Facilities |
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| 3.1.1 QM | <p><i>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</i></p> <p>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.</p> <p style="text-align: center;">Facilities:</p> <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> • Systems with high speed internet • 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. • State of the art laboratories with computerized equipments. • Well qualified faculty. <p>Functions of Research and Development Cell:</p> <ul style="list-style-type: none"> • To create awareness and opportunities in Research and Development among the students & faculty and to create Research and Development atmosphere in every department • 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 • To encourage staff members and students to publish technical papers for publishing in National and reputed International Conferences/Journals • To undertake research activities and development projects offered by agencies such as ISRO, DRDO, CSIR, DST, AICTE, UGC, etc. • 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. • To assist for applying and getting funds for conducting Seminar/Workshop/FDP from various funding agencies • To work with various departments to establish and develop faculty research |

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| | <p>priorities on interdisciplinary areas</p> <p>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.</p> <p>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.</p> |
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| 3.1.2 | <i>The institution provides seed money to its teachers for research</i> |
| Q_nM | <p>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):</p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name of the teacher getting seed money • The amount of seed money • Month and Year of receiving grant • Duration of the grant |

Academic Year: 2017 -2018

| 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 | 8000 | Jun,2017 | 365 |
| 2 | Dr.V.Chandrasekar | 8000 | Nov,2017 | 365 |
| 3 | Dr.S.Shanthi | 8000 | Nov,2017 | 365 |
| 4 | Dr.S.Shanthi | 8000 | Jun,2017 | 365 |
| 5 | Novy Jacob | 5,000 | Jan,2018 | 365 |
| 6 | K. Swetha | 5,000 | Mar,2018 | 365 |
| 7 | A. Yogananda | 5,000 | Mar,2018 | 365 |
| 8 | J. Suneetha | 4,000 | Apr,2018 | 365 |
| 9 | Dr. Srikar | 61200 | April,2017 | 182 |
| 10 | Dr. Deva Prasad | 74000 | July,2017 | 120 |
| 11 | Dr. P.H.V Sessa Talpa Sai | 83500 | September,2017 | 240 |
| 12 | D.Asha | 10,000 | June,2017 | 365 |
| 13 | P.Anitha | 10,000 | June,2017 | 365 |
| 14 | M.Anantha Guptha | 15,000 | June,2017 | 365 |

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| 15 | P.Swetha | 10,000 | August,2017 | 365 |
| 16 | K.Malli Karjuna Lingam | 10,000 | Dec,2017 | 365 |
| 17 | G.S.Naveen Kumar | 10,000 | Dec,2017 | 365 |
| 18 | Ch.Chinnarao | 10,000 | Jan,2018 | 365 |
| 19 | K.D.K ajay | 10,000 | March,2018 | 365 |

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| 3.1.3 Q_nM | <p><i>Number of teachers awarded national / international fellowship for advanced studies/research during the year:</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name of the teacher awarded national/international fellowship for advanced studies /research • Name of the award • Month and Year of Award • Awarding Agency |
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| ACADEMIC YEAR:2017-18 | | | | |
|-----------------------|--|------------------------------------|-------------------------|---|
| 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.D.Sujatha | IASTE Best Women Faculty | 02-02-2018 | International Association for Science and Technical Education |
| 2 | Dr. S.Shanthi | IASTE Best Women Faculty | 02-02-2018 | International Association for Science and Technical Education |
| 3 | Dr. V. Chandrasekar | Best Faculty Award | 10-12-2018 | Global Education and Corporate Leadership Awards Associate with Life Way Tech India Pvt. Ltd. Rajasthan |
| 4 | Dr.A.Mummoorthy | Best academician of the year award | 20-02-2018 | Combined Society for educational Research & Development Dehradun,UK,India. |
| 5 | Dr.A.Mummoorthy | young faculty | 07-07-2018 | Venus International Faculty Awards-VIFA 2018 India. |

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| 3.2.1 Q _n M | <p><i>Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the year (INR in Lakhs):</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name of the Project/ Endowments,Chairs • Name of the PrincipalInvestigator • Department of PrincipalInvestigator • Month and Year ofAward • Fundsprovided • Duration of theproject • Name of the Project/ Endowments,Chairs |
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| Metric No. | | Key Indicator - 3.2 Resource Mobilization for Research | | | | | |
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| 3.2.1 Q _n M | | <i>Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the year (INR in Lakhs):</i> | | | | | |
| 2017-2018 | | | | | | | |
| 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. | Big Data Analytics and IOT for Healthcare Applications | Dr. Sujatha Dandu | CSE | December & 2017 | ICMR | 0.40 Lakh | 365 |
| 2. | Artificial Intelligence enabled fertilizer dispensation system for better yield of Crops | Dr.VSK Reddy | ECE | Sep 2017 | MRCET-LUC, Malaysia | 15,00,000 | 1095 |
| 3. | MODROBS | Dr.S.Srinivasa Rao | ECE | | AICTE New Delhi | 14,50,000 | 730 |
| 4. | A Framework for Resource Monitoring and Fault Tolerant Scheduling in Genetic | Dr. Sujatha Dandu | CSE | February & 2018 | Glossary Soft Tech Pvt. Ltd., | 8.25 Lakh | 1095 |

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| | Algorithms | | | | | | |
| 5. | Analysis and need of lifecycle models for the development of semantic web-based applications | Dr. V Chandrasekar | CSE | January & 2018 | Coign Consultants Pvt. Ltd., | 7.96 Lakh | 1095 |
| 6. | Design and Development of Big Data Integration & Analytics Framework for Cyber Security to Mitigate Cyber Attacks | Dr. Sujatha Dandu | CSE | February & 2018 | MRCET-LUC, Malaysia | 12.00 Lakh | 1095 |
| 7. | Linear Free Vibrations of Timoshenko Beams and Mindlin Plates Using Coupled Displaced Field | Dr Venkata Swamy Naidu | AE | 2017-2018 | AICTE (RPS) | 23 Lakh | 1095 |
| 8. | Hybrid Cart | Dr. santhana krishnan | AE | 2017-2018 | Micro, Small & Medium Enterprises (Govt. of India | 6.25Lakh | 365 |
| 9. | Deep learning with text mode | Dr.R.Roopa Chandrika | IT | 2017-2018 | Aran Technologies, Salem | 3 Lakh | 365 |
| 10 | Smart Telepresence Robot | Dr.S.Srinivasa rao | ECE | Jan ,2018 | Hello Robotics | 85,000 | 365 |
| 11 | Design of VGA Display based on CPLD & SRAM | Mrs.P.Swetha | ECE | Dec,2017 | Embedded RF Technologies | 45,000 | 365 |
| 12 | Applied Machine Learning at Face book: A Data center Infrastructure Perspective | Dr.R.Roopa Chandrika | IT | 2017-2018 | VN Career Solutions | 5 Lakhs | 365 |
| 13 | Efficient Keyword Aware | Dr.A.Mummoorthy | IT | 2017-2018 | Saky Technologies | 6.5 Lakhs | 365 |

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| | Representative Travel Route Recommendation | | | | | | |
| 14 | Mobile Phone Hardware repair technician course | Mr.Ch.Kiran Kumar | ECE | 2017-2018 | PMKVY-T1(Govt.of India) | 7.2 Lakhs | 182 |
| 15 | LED light repair technician course | Mr.M.Ramajaneyulu | ECE | 2017-2018 | PMKVY-T1 (Govt.of India) | 3.6 Lakhs | 182 |
| 16 | Solar Panel Installation technician course | Mr.K.Mallikarjuna Lingam | ECE | 2017-2018 | PMKVY-T1 (Govt.of India) | 8 Lakhs | 182 |
| 17 | IT Coordinator in school | Mr.G .S.Naveen Kumar | ECE | 2017-2018 | PMKVY-T1 (Govt.of India) | 6 Lakhs | 182 |

| 3.2.2 QnM | <i>Number of teachers having research projects during the year:</i> | | | |
|----------------------------|--|---|----------------------|------------------------------------|
| 2017-2018 | | | | |
| S.No | Name of the Principal Investigator | Department of Principal Investigator | Academic Year | Number of Research Projects |
| 1 | Dr. Sujatha Dandu | CSE | 2017-2018 | 3 |
| 2 | Dr. V. Chandrasekar | CSE | 2017-2018 | 1 |
| 3 | Dr Venkata Swamy Naidu | AE | 2017-2018 | 1 |
| 4 | Dr. santhana krishnan | AE | 2017-2018 | 1 |
| 5 | Dr.R.Roopaa chandrika | IT | 2017-2018 | 2 |
| 6 | Dr.A.Mummoorthy | IT | 2017-2018 | 1 |
| 7 | Dr.VSK Reddy | ECE | 2017-2018 | 1 |
| 8 | Dr.S.Srinivasa Rao | ECE | 2017-2018 | 2 |
| 9 | Mr.Ch.Kiran Kumar | ECE | 2017-2018 | 1 |
| 10 | Mr.M.Ramajaneyulu | ECE | 2017-2018 | 1 |
| 11 | Mr.K.Mallikarjuna Lingam | ECE | 2017-2018 | 1 |
| 12 | Mr.G .S.Naveen Kumar | ECE | 2017-2018 | 1 |
| 13 | Mrs.P.Swetha | ECE | 2017-2018 | 1 |

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| 3.2.3 | <i>Number of teachers recognised as research guides</i> |
| QnM | Data Requirement: <ul style="list-style-type: none"> List of teachers recognized as research guides |

Academic Year:2017 -2018

| S.No | Name of the Faculty | Registered University as Guide | Department |
|------|-------------------------|--------------------------------|------------|
| 1 | Dr.VM Senthil Kumar | Lovely Professional University | ECE |
| 2 | Dr.P .lakshmi Devi | GITAM University | ECE |
| 3 | Dr.M.MuraliKrishna | JNTU University Anantapur | MECH |
| 4 | Dr.M.MuraliKrishna | ANU | MECH |
| 5 | Dr. PHV Sesha Talpa Sai | Reva University | MECH |

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| 3.2.4 | <i>Number of departments having Research projects funded by government and non-government agencies during the year:</i> |
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A.Y 2017 – 2018

| 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 |
|------|--------------------------------|---------------------|--|------------------------|-------------------------------|----------------------------|-------------------------|
| 1 | Dr. Sujatha Dandu | 365 | Big Data Analytics and IOT for Healthcare Applications | .40 | ICMR | December & 2017 | CSE |
| 2 | Dr. Sujatha Dandu | 1095 | A Framework for Resource Monitoring and Fault Tolerant Scheduling in Genetic Algorithms | 8.25 | Glossary Soft Tech Pvt. Ltd., | February & 2018 | CSE |
| 3 | Dr. V Chandrasekar | 1095 | Analysis and need of lifecycle models for the development of semantic web-based applications | 7.96 | Coign Consultants Pvt. Ltd., | January & 2018 | CSE |
| 4 | Dr. Sujatha Dandu | 1095 | Design and Development of Big Data Integration & Analytics Framework for Cyber Security | 12.00 | MRCET-LUC, Malaysia | February & 2018 | CSE |

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|----|--------------------------|------|---|-----------|--|------------|-----|
| | | | to Mitigate Cyber Attacks | | | | |
| 5 | Dr.R.Roopa Chandrika | 365 | Applied Machine Learning at Face book: A Data center Infrastructure Perspective | 5 Lakhs | VN Career Solutions | 2017-2018 | IT |
| 6 | Dr.A.Mummoorthy | 365 | Efficient Keyword Aware Representative Travel Route Recommendation | 6.5 Lakhs | Saky Technologies | 2017-2018 | IT |
| 7 | Dr.VSK Reddy | 1095 | Artificial Intelligence enabled fertilizer dispensation system for better yield of Crops | 15,00,000 | LUC, Malaysia | Sept,2017 | ECE |
| 8 | Dr.S.Srinivasa Rao | 730 | MODROBS | 14,50,000 | AICTE, New Delhi | March,2018 | ECE |
| 9 | Dr Venkata Swamy Naidu | 1095 | Linear Free Vibrations of Timoshenko Beams and Mindlin Plates Using Coupled Displaced Field | 2017-2018 | AICTE (RPS) | 23 Lakh | AE |
| 10 | Dr. santhana krishnan | 365 | Hybrid Cart | 2017-2018 | Micro, Small & Medium Enterprises (Govt. of India) | 6.25Lakh | AE |
| 11 | Dr.R.Roopa Chandrika | 365 | Deep learning with text mode | 2017-2018 | Aran Technologies, Salem | 3 Lakh | IT |
| 12 | Dr.S.Srinivasa rao | 365 | Smart Telepresence Robot | Jan ,2018 | Hello Robotics | 85,000 | ECE |
| 13 | Mrs.P.Swetha | 365 | Design of VGA Display based on CPLD & SRAM | Dec,2017 | Embedded RF Technologies | 45,000 | ECE |
| 14 | Mr.Ch.Kiran Kumar | 182 | Mobile Phone Hardware repair technician course | 2017-2018 | PMKVY-T1(Govt.of India) | 7.2 Lakhs | ECE |
| 15 | Mr.M.Ramajanyulu | 182 | LED light repair technician course | 2017-2018 | PMKVY-T1 (Govt.of India) | 3.6 Lakhs | ECE |
| 16 | Mr.K.Mallikarjuna Lingam | 182 | Solar Panel Installation technician course | 2017-2018 | PMKVY-T1 (Govt.of India) | 8 Lakhs | ECE |
| 17 | Mr.G .S.Naveen Kumar | 182 | IT Coordinator in school | 2017-2018 | PMKVY-T1 (Govt.of India) | 6 Lakhs | ECE |

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 Laacs 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 led to the start of EDC to boost up the concrete mindset of enthusiastic students who want 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.
- To arrange need based training programme in association with industries by MOU's.

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| | <p>Some other initiatives include:</p> <ol style="list-style-type: none"> 1. Entrepreneurship meets. 2. Visits to industries. 3. Organization of Techno fest (Exumberanza) to foster creativity and innovation along with other creative contests. 4. Project work for all students. 5. Annual exhibits of Models and Innovative ideas of students on Founder's Day. 6. Skill training to augment potential for start-ups through TBI |
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| <p>3.3.2 Q_nM</p> | <p><i>Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), entrepreneurship and skills development during the year:</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name of the workshops /seminars • Number of Participants • Date (From-to) • Link to the activity report on the website |
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Workshop / Seminar - Conducted for the Academic Year 2017-18

| S.NO | Year | Name of the workshop/ seminar | Date From – To | Link to the Activity report on the website | No of Participants |
|------|------|--|---|---|--------------------|
| 1 | 2017 | CISCO CCNA certification | 28 th to 31 st July 2017 | https://mrcet.com/CSE_Ev ents.html | 200 |
| 2 | 2017 | Two days workshop on Big data analytics | 13&14 October 2017 | https://mrcet.com/CSE_Ev ents.html | 160 |
| 3 | 2018 | Two days' workshop on "Teaching pedagogy" | 22 nd to 23 rd December 2017 | https://mrcet.com/CSE_Ev ents.html | 80 |
| 4 | 2018 | Three Days Workshop On "Web Development" | 6 th to 9 th January 2018 | https://mrcet.com/CSE_Ev ents.html | 180 |
| 5 | 2018 | One week Microsoft certification program | 17 th to 23 rd January 2018 | https://mrcet.com/downloads/department_updates/CSE/Microsoft%20certification%20programme%20for%20BTech%20III%20CSE%20report.pdf | 200 |
| 6 | 2018 | Two days' National seminar on "Big Data Analysis & IOT for Health Care Applications" | 16 th to 17 th February 2018 | https://mrcet.com/downloads/department_updates/CSE/CSE-National%20Seminar%20Brochure.pdf | 80 |

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| 7 | 2018 | One-week Faculty Development Programme on “Cyber security” | 16 th to 21 st April 2018 | https://mrcet.com/CSE_Events.html | 60 |
| 8 | 2018 | ICSCSP(International Conference on Soft Computing & Signal Processing) | 21 st &22 nd June 2018 | https://mrcet.com/downloads/department_updates/CSE/ICSCSP%20REPORT.pdf | 60 |
| 9 | 2018 | Campus Recruitment Training on Personal Development Skills by FACE Academy | 26 th to 30 th June 2018 | https://mrcet.com/CSE_Events.html | 190 |
| 10 | 2018 | Awareness Program on Business Opportunities for MBA Students. | 4/10/2018 | www.mrcet.ac.in | 250 |
| 11 | 2017 | Two Days Workshop On Big Data Analytic | 13th&14th Oct 2017 | www.mrcet.ac.in | 55 |
| 12 | 2017 | Professional skill development program | 6th to 9th sep 2017 | www.mrcet.ac.in | 60 |
| 13 | 2017 | Cisco Ccna Certification | 28 to 31 Jul 2017 | www.mrcet.ac.in | 60 |
| 14 | 2018 | National Seminar On Big Data Analytics &I For Health Care Application | 17th & 18thFeb 2018 | www.mrcet.ac.in | 60 |
| 15 | 2018 | Web Development | 6th-9th Jan2018 | www.mrcet.ac.in | 60 |
| 16 | 2018 | One Day INDUSTRIAL VISIT TO BHEL, HYDERABAD For Mechanical Faculty | 14-Jun | https://mrcet.com/ME_gallery.html | 120 |
| 17 | 2018 | Three Day FACULTY DEVELOPMENT PROGRAM On INDUSTRY 4.0 : ACADEMIA INITIATIVES IN MECHANICAL ENGINEERING | 12-14 JUNE,2018 | https://mrcet.com/ME_gallery.html | 65 |
| 18 | 2017 | Two Day Faculty Development Program on FEA using ANSYS | 13-14 OCT,2018 | https://mrcet.com/ME_gallery.html | 52 |
| 19 | 2018 | International Conference on Soft Computing and Signal Processing organized by MRCET in association with Springer | 22-23 June 2018 | https://mrcet.com/ECE_Events.html | 240 |
| 20 | 2018 | FDP on Multimedia Signal Transmission through Wireless Communication in association with Capricot Technologies Pvt.Ltd., Hyderabad | 12-13 June 2018 | https://mrcet.com/ECE_Events.html | 85 |

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| 21 | 2017 | VIVADO design flow using ZYNQ architecture in association with CoreEL technologies, Hyderabad[FDP] | 18-19 September 2017 | https://mrcet.com/ECE_Events.html | 55 |
| 22 | 2017 | Two Week ISTE FDP on Electric Power System. | 10-15 July 2017 | https://mrcet.com/ECE_Events.html | 120 |
| 23 | 2017 | ISTE STTP on CMOS Mixed-Signal and Radio Frequency VLSI Design, IITKGP | 30 January 2017 to 04 February 2017 | https://mrcet.com/ECE_Events.html | 95 |
| 24 | 2016 | International Conference Communication, signal Processing, Computing and Information Technologies (ICCSPCIT-2016) | 16-17 December 2016 | https://mrcet.com/ECE_Events.html | 190 |
| 25 | 2016 | Two Day Awareness Workshop on Best Practices in Teaching | 29-30 November 2016 | https://mrcet.com/ECE_Events.html | 112 |

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| <p>3.4.1</p> <p>QnM</p> | <p><i>The Institution ensures implementation of its stated Code of Ethics for research through the following:</i></p> <ol style="list-style-type: none"> <i>1. Inclusion of research ethics in the research methodology coursework</i> <i>2. Presence of Ethics committee</i> <i>3. Plagiarism check through software</i> <i>4. Research Advisory Committee</i> <p>Options:</p> <ol style="list-style-type: none"> <i>A. All of the above</i> <i>B. Any 3 of the above</i> <i>C. Any 2 of the above</i> <i>D. Any 1 of the above</i> <i>E. None of the above</i> |
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| 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 | DrillBit Anti Plagiarism software https://www.drillbitplagiarism.com/index.html |

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| 3.4.2 | 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: |
| QnM | File Description(Upload) <ul style="list-style-type: none"> • URL to the research page on HEI website • List of PhD scholars and their details like name of the guide , title of thesis, month and year of registrationetc |

Details of Scholars working under Registered Guides

| Name of full time teacher with Ph.D | Qualification | Whether recognised as research Guide | Year of Recognition as Research Guide | Is the teacher still serving the institution/ If not last year of the service of Faculty to the Institution | Name of the scholar | Year of registration of the scholar | Year of Awarding | Title of the thesis for scholar |
|-------------------------------------|---------------|--------------------------------------|---------------------------------------|---|------------------------|-------------------------------------|------------------|---|
| Dr.VSK Reddy | Ph.D | Yes | 2009 | Yes | A.Venkateshwarulu | 2011 | Pursuing | Hybrid Image Water Marking Algorithm |
| | | | | | P.Anil Kumar | 2012 | Pursuing | Network Security |
| | | | | | S. Dinesh | 2015 | Pursuing | Wireless Sensor Networks |
| | | | | | Mr.G.S. Naveen Kumar | 2017 | 2020 | Content Based Image Retrieval |
| | | | | | K. Vanisree | 2010 | Pursuing | Routing Protocols for Multimedia Communications |
| | | | | | 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 |

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| | | | | | 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 Based 2D DWT |
| | | | | | Jaganadh Jadav | 2016 | 2020 | Automatic Semantic Segmentation Of Remote Sensing Data For Agriculture |
| 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 SessaTalpa Sai | Ph.D | YES | 2017 | YES | MLR Chaitanya Lahari | 2017 | Pursuing | Experimental Investigations On Heat Transfer Enhancement And Friction Factor Using Composite Nano-Fluids |

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| 3.4.3 Q_nM | <p><i>Number of research papers per teacher in the Journals notified on UGC website during the year:</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Title of paper • Name of the author/s • Department of the teacher • Name of journal • Month and Year of publication • ISBN/ISSN number |
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Faculty Publications A.Y.2017-18

| Faculty Publications A.Y.2017-18 | | | | | | |
|----------------------------------|---|----------------------|---------------------------|---|-------------------------------|-------------------|
| 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 |
| 1 | Data Management With De-Duplication System In Cloud Computing | Dr.G.Sharadha | CSE | Ijmetmr | Jul-17 | ISSN:2348 -4845 |
| 2 | A Secure Encryption Method For Providing Security To The Data In The Cloud | Dr.G.Sharadha | CSE | Ijrecs | Jul-17 | ISSN 2321-5485 |
| 3 | Hyperspectral image denoising based on self-similarity and bm3d | Dr.S.Shanthi | CSE | Journal of Advanced Research in Dynamical and Control Systems | Sep-17 | ISSN: 1943-023X |
| 4 | Energy-Efficient Secure Data Aggregation Framework (ESDAF) Protocol in Heterogeneous Wireless Sensor Networks | Dr. V. Chandrasekhar | CSE | International Journal of Innovative Research Explorer | 2017 | ISSN 2347-6060. |
| 5 | Improving the Security Issues in Wireless Sensor using Heterogeneous Algorithm | Dr. V. Chandrasekhar | CSE | International Journal of Innovative Research & Studies | 2017 | ISSN 2319 – 9725 |

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| 6 | 'Rank-Based Weighted Rule Mining Using Post Mining Methods with Ontology Support | Dr. V. Chandrasekhar | CSE | International Journal of Applied Engineering Research | 2018 | ISSN 0973-4562 |
| 7 | Routing Information Protocol for Wireless Sensor Networks | Dr. V. Chandrasekhar | CSE | International Journal of Advance Engineering and Research Development | 2018 | ISSN 2348 – 4470 |
| 8 | Introducing Proxy Cloud Storage Using Internet Information Services in University And Utilization Of Its Resources In The Academic Institution | Dr.S.Nagendra Prabhu | CSE | Journal of Network communications and Emerging Technologies | Feb-18 | ISSN: 2395-5317 |
| 9 | An Efficient Botnet Detection System In Large Scenario Networks Using ANFIS Classifier | Dr.S.Nagendra Prabhu | CSE | International journal of Computation & Theoretical NanoScience – American Scientific Publisher | Jul-17 | ISSN: 1546-1955 |
| 10 | Segmentation of Reuters dataset using map reduce based distributed K-Means and Canopy Clustering Technique | Dr.E.V.Reddy | CSE | Journal of Adv Research in dynamical and control systems,(JARDC S) | Jun-18 | ISSN: 1943-023X |
| 11 | Comparison of various color spaces for Image Segmentation Using Rough Fuzzy Clustering Technique | Dr.E.V.Reddy | CSE | International Journal of Computer Engineering & Technology (IJCET) | Feb-18 | 0976 – 6367 |
| 14 | Bio-Medical Literature Retrival from Mixed Literature bank with the aid of Multi Kernel Fuzzy C-MEANS Technique (MK-FCM) 1 | Dr.Thyabaa khatoon | CSE | Journal of Theoretical & Applied Information Technology | 2017 | ISSN 1992-8645 |
| 15 | Query Expansion with Enhanced-BM25 Approach for Improving the Search Query Performance on Clustered Biomedical Literature Retrieval. | Dr.Thyabaa khatoon | CSE | Journal of Digital Information Management volume | 2018 | ISSN, 09727272 |

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| 16 | A Survey On Various Data Dissemination Techniques Used In Data Analytics – Business Intelligence | M V Kamal | CSE | International Journal of Scientific & Engineering Research | Feb-18 | ISSN 2229-5518. |
| 17 | Arithmetic Collection Explore On Cipher Spatial Data | M V Kamal | CSE | International Journal Of Reviews On Recent Electronics And Computer Science | Feb-18 | ISSN 2321-5461. |
| 18 | A Security Determination-Reaction Architecture for Heterogeneous Distributed Network | M V Kamal | CSE | International Journal of Scientific Research in Computer Science and Engineering | Oct-17 | E-ISSN: 2320-7639. |
| 19 | Cloud Multi-Site Aware Big-dataflow and storage for Scientific Authentication | Dr.Dabbu Murali | CSE | Int. Journal of Scientific Engineering and Technology Research | Oct-17 | 2278-7798 |
| 20 | A Survey On Various Data Dissemination Techniques Used In Data Analytics – Business Intelligence | P. Dileep | CSE | International Journal of Scientific & Engineering Research | Nov-17 | ISSN 2229-5518. |
| 21 | A Novel Secured Ancient Based Among Tough Artificial Intelligence | G.Manoj Kumar | CSE | International Journal of Reviews on Recent Electronics and Computer Science | Feb-17 | ISSN 2321-5461 |
| 22 | Privacy Preserving and Truthful Detection of Packet Dropping Attacks Wireless Sensor Networks | V. Suneetha | CSE | International Journal of Emerging Technology in Computer Science & Electronics | Jul-17 | ISSN Online: 0976-1353 |
| 23 | Protected Info getting in Dispersed Disturbance Soldierly Area Networks | V. Suneetha | CSE | International Journal of Reviews on Recent Electronics & Computer Science | Jul-17 | ISSN Online: 2321 – 5461+G35 |

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| 24 | Efficient Method for Privacy Preserving Malicious Packet Dropping in Wireless Ad-hoc Networks | V. Suneetha | CSE | International Journal for Research on Electronics & Computer Science | Aug-17 | ISSN Online: 2321 – 5485 |
| 25 | A Survey on Challenges and Directions of Cyber Security | P. Honey Diana | CSE | AIJREAS | Mar-18 | ISSN-2455-6300 (ONLINE) |
| 26 | Smart Traffic Control System Using ZIGBEE/RFID Networks | P. Honey Diana | CSE | International Journal of Civil Engineering and Technology | Jun-17 | ISSN Print: 0976-6308 and ISSN Online: 0976-6316 |
| 27 | Improve P2P File Sharing for Routing Efficiency On To Minimize Response Delay in MANETs | Ch. Naveen Kumar Reddy | CSE | International Journal of Innovative Research in Science, Engineering and Technology | 2018 | |
| 28 | Providing Efficient and Secure Data Aggregation for Our Scheme in Mobile Sensing System | Ch. Naveen Kumar Reddy | CSE | International Journal of Innovative Research in Science, Engineering and Technology | 2018 | |
| 29 | Multi-Hop Routing Protocol To Improve the Energy For Wireless Networks | K. M. Rayudu | CSE | International Journal Of Innovative Technology And Research | Jul-17 | |
| 30 | An Assortment of Informative Big Data Analytics with Hadoop and Open Nets | K. M. Rayudu | CSE | International Journal of Advanced Research in Computer Science | Jun-17 | |
| 31 | An efficient approach to forensic investigation in cloud using VM snapshots nearest keyword set search | M. Sirisha | CSE | International journal of advance engineering and research development | Jun-18 | |
| 32 | Improved Adaptive Gateway Discovery Scheme using CAB - Protocols in MANET to INTERNET Connection | Dr.K.Palani | CSE | Journal of Engineering and Applied Science | 2017 | |

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| | ARPN | | | | | |
| 33 | A Theoretical Analysis of Routing Metrics for Maximizing Throughput in Multihop Wireless Network | K.Ravi Kiran | CSE | International Journal of Innovative Research & Studies | Mar-18 | |
| 34 | Performance Analysis On Routing Protocols In Multi Hop Wireless Networks | K.Ravi Kiran | CSE | International Journal of Innovations & Advancement in Computer Science | Nov-17 | |
| 35 | A Novel Accession of Key Management for Secure Quick Transmission in Isolated Groups | K.Ravi Kiran | CSE | International Journal of Emerging Technology and Advanced Engineering | Jun-17 | |
| 36 | A Survey on Intra and Inter Domain Reusability Routing Protocols in MANETs | K.Ravi Kiran | CSE | International Journal of Computer Applications | Jul-17 | |
| 37 | Position-Conscious and Custom-Made Mutual Sorting for Reference of Web Services | W.Nirmala | CSE | International journal of innovative technology and research | May-18 | |
| 38 | Detecting Mobile Malicious Web Pages in Real Time Environment | G.Satish | CSE | | Mar-18 | E-ISSN: 2348-6848, p-ISSN: 2348-795X |
| 39 | To Improve the Web Personalization using the Boosted Random Forest for Web Information Extraction | P. Srinivasa rao , Dr. D. Vasumathi | CSE | journal of BENTHAM SCIENCE | Aug-18 | ISSN NO- 1874-4786 |
| 40 | Changing the Indian Telecom Sector: Reliance Jio | C.V.Keerthipriya , Ms. Ramya Sri , D.Srija , Dr. R.Ch.A.Naidu | IT | IJRECE | APR.-JUNE 2018 | ISSN: 2393-9028 (PRINT) ISSN: 2348-2281 (ONLINE) |
| 41 | SECURED ALGORITHM FOR CLOUD STORAGE SECURITY | B. Ramya Sri, Dr.R.CH.A.Naidu , K.Meghana, B.Pavani | IT | International Journal of Pure and Applied Mathematics | 12-Jun-18 | ISSN: 1314-3395 (on-line version) |

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| 42 | GLOBAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCHES | B. Ramya Sri, V.VaraLakshmi, M.Vijayalakshmi | IT | GLOBAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCHES | 2018 | ISSN 2348 – 8034 |
| 43 | Analysis of BER and Out-Of-Band Interference Enhanced Using ICTF Approach for PAPR Reduction | Srikanth.B, Naveen Kumar GS, VSK Reddy | ECE | International Journal of Engineering Research in Computer Science and Engineering | Nov-18 | ISSN 2394-2320 |
| 44 | Design of fuzzy logic for cognitive radio networks for efficient spectrum decision and channel assignment | Ch. Suneetha, S. Srinivasa Rao, K.S.Ramesh | ECE | International Journal of Engineering & Technology | 2018 | ISSN: 2394-3696 |
| 45 | Low power area efficient dynamic quad PCM Codec with filter for communication applications | T Vasudeva Reddy, S.Srinivasa Rao, P.V.Sridevi | ECE | International Journal of Research in Signal Processing, Computing & Communication System Design | 2017 | ISSN: 2395-3187 |
| 46 | Design of an Area Efficient FinFET Based Approximate Multiplier in 32nm Technology for Low Power Application | Dr. D. Sasikala, Dr.V. M. Senthilkumar, Ms. G. Anish Girija | ECE | International Journal of Pure and Applied Mathematics | Jul-18 | ISSN: 1311-8080 |
| 47 | Super Threshold FinFET Circuits Based on Pass Transistor Adiabatic Logic-2N Operating Region | V.M. Senthil Kumar, S. Saravanan, S. Priyanka and P. Deepa | ECE | Middle-East Journal of Scientific Research 24 (Techniques and Algorithms in Emerging Technologies) | 2018 | ISSN 1990-9233 |
| 48 | A Novel approach for non-invasive measurement of mean arterial pressure using pulse transit time | V. Prabhu, P.G. Kuppusamy, A. Karthikeyan, M. Sucharitha | ECE | Multimedia Tools and Applications | 2018 | ISSN: 1380-7501 |
| 49 | A Robust Image Watermarking System based on E DWT and SVD | Reena Thomas, Sucharitha M | ECE | ARPJ Journal of Engineering and Applied Sciences | Dec-18 | ISSN 1819-6608 |

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| 50 | Multi Attribute Minimum Throttle Approximation Based Sinkhole Detection in Mobile Adhoc Networks | Murugesan R, Vijayaraj M | ECE | IJESRT | Jun-18 | ISSN: 2277-9655 |
| 51 | Analysis of BER and Out-Of-Band Interference Enhanced Using ICTF Approach for PAPR Reduction | Srikanth.B, Naveen Kumar GS | ECE | International Journal of Engineering Research in Computer Science and Engineering | Nov-18 | ISSN 2394-2320 |
| 52 | Comparative Study Of LTV Channel for Mitigation of ICI with respect to LTI Channel under Different Condition in OFDM | Srikanth.B, Naveen Kumar GS | ECE | International Journal of Research | Nov-18 | ISSN: 2708-3578 |
| 53 | Implementation of Jacobi Iterative Solver using Verilog HDL | Asmita prabhakar Wakchaure, P. Anitha | ECE | International Journal of Engineering Science and Generic Research | Aug-08 | ISSN 2456-043X |
| 54 | A High Performance (72, 64) SEC-DAEC codes for ECC | Joshi Prerana, M.Anusha | ECE | International Journal of Engineering Science and Generic Research | Aug-18 | ISSN 2456-043X |
| 55 | High speed computing pipe lined architecture of elliptic curve scalar multiplication over GF(2m) | Dipali Arvind Bhalla, M.Anusha | ECE | International Journal of Engineering Science and Generic Research | Jul-18 | ISSN 2456-043X |
| 56 | Multifunctional Self-balancing Mobile Platform with Smart Phone | Ch. Deepthi, Ch. Kiran Kumar | ECE | International Journal of Innovative Research in Science, Engineering and Technology | Jun-18 | ISSN 2319-8753 |
| 57 | 13/9 Lifting Wavelet Transform based Reversible Data Hiding | Nemani Subash, JayaChandra Prasad Talari, and Sumalatha Vangala | ECE | International Journal of Computer Applications | Jun-18 | ISSN-2250-1797 |

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| 58 | Content Based Video Retrieval system using Multiple Features | D. Asha, Y. Madhavee Latha, V. S. K. Reddy | ECE | International Journal of Pure and Applied Mathematics | Feb-18 | ISSN: 1311-8080 |
| 59 | Design of FINFET Based Array Multiplier using 14nm Technology | Design of FINFET Based Array Multiplier using 14nm Technology | ECE | International Journal of Pure and Applied Mathematics | Feb-18 | ISSN: 1311-8080 |
| 60 | Super Threshold FinFET Circuits Based on Pass Transistor Adiabatic Logic-2N Operating Region | V.M. Senthil Kumar, S. Saravanan, S. Priyanka and P. Deepa | ECE | Middle-East Journal of Scientific Research 24 (Techniques and Algorithms in Emerging Technologies) | 2018 | ISSN 1990-9233 |
| 61 | Optimization of Transesterification Parameters for Optimal Biodiesel Yield from Crude Jatropha Oil Using A Newly Synthesized Seashell Catalyst | A.N.R. Reddy, A.A. Saleh, S. Islam, and S. Hamdan | ME | JOURNAL OF ENGINEERING SCIENCE & TECHNOLOGY | October, 2017 | <i>J. Eng. Sci. Technol., vol.</i> |
| 62 | Active Razor shell CaO Catalyst Synthesis for Jatropha Methyl Ester Production via Optimized Two-step Transesterification | A.N.R. Reddy, A. A. Saleh, M. D. S. Islam, and S. Hamdan | ME | JOURNAL OF CHEMISTRY | Jul-17 | <i>Journal of chemistry vol.</i> |
| 63 | Finite Element Analysis of AI – Si Metal Matrix Composite for Engine Valves”, | Sivaramanjaiah Sagi, Dr. P.H.V Sessa Talpa Sai | ME | IJNMETMR | August, 2017 | Vol. No-4, Issue No-8, pg-144-148 (ISSN: 2348-4845) |
| 64 | Fluid Structural Analysis of Centrifugal FAN Using FEA | Uppada Umamaheswara Rao, Dr. P.H.V Sessa Talpa Sai | ME | IJMETMR | August, 2017 | Vol.No.4, Issue No. 8, pp- 149-153 (ISSN: 2348-4845) |
| 65 | Combined Extrusion - Forging: Simulation, Experimental and Microscopic Investigation of Axisymmetric Collet Chuck Holder | S.Potnuru, S.K.Sahoo, S.K.Sahu | ME | ASME-MSEC | 17-Jun | ISBN: 978-0-7918-5072-5 |
| 66 | Three Dimensional Analysis of Combined Forward and Backward Extrusion-Forging process Using DEFORM 3D | S.Potnuru, S.K.Sahoo, S.K.Sahu | ME | AMM | 14-Jun | 10.4028/www.scientific.net/AMM.59 2-594.791 |

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| 67 | Fabrication of Water Cooler Cum Air Conditioner | sura sankeertan, samba sai karthik, pasurla nanda kishore reddy, Dr.V.V.Prathibha Bharathi | ME | IJERA | Jun-17 | ISSN : 2248-9622, Volume 7, Issue 6 |
| 68 | Design of Air Conditioning System for Residential/Office Building | Dr.V.V.Prathihba Bharathi, ajay kodliwada, busi ashok kumar V.v.naga deepthi | ME | IJERMT | Mar-17 | ISSN: 2278-9359, Volume 6, Issue 3 |
| 69 | Advanced Cooling of Gas Turbine Blades with Sodium Liquid and Air | Jovin Jose, Dr.V.V.Prathibha Bharathi | ME | IJAEMS | Feb-17 | ISSN: 2454-1311, Volume 3, Issue 2 |
| 70 | Static Analysis of Plate made of carbon/epoxy composite material by using FEA | PRANEETHA SENA REDDY, Mangedal | ME | IJSETR | Feb-17 | vol 5, issue 4, Feb - 2017 |
| 71 | Staking analysys missile container | SRIDHR AKARAPU, Mr.RAJENDAR | ME | IJSETR | 16-Jul | ISSN: 2278-7798 |
| 72 | Properties Evaluatons of Chopped, Bidirectional and unidirectional Glass fibre reinforced Epoxy based compoites | S.VAMSHI KRISHNA, M PRADEEP KUMAR, A.SRIDHAR | ME | IJIRST | 16-Jun | ISSN: 2349-6010 |
| 73 | Modeling and analysis of a plain milling cutter using finite element analysis | Gummadi Ratnakumar, Tippa Bhimasankara rao | ME | IJERD | 13-Apr | ISSN: 2278-800X |
| 74 | Experimental Characterization of E-Glass Fabric reinforced Epoxy | SK.IMRAN, Mr.K .SAIDULU | ME | IJIEMR | 05-Jul | ISSN 2456-5083 |
| 75 | | | ME | | | |
| 76 | Performance Improvement of Design and Thermal Analysis of Air Conditioning System”, | Eragani Vanita and Ms. M.L.R Chaitanya Lahari | ME | IJMETMR, | Aug-17 | ISSN 2348-4845 Vol.3,2016, Issue 8 (August) |
| 77 | Design and Structural analysis of Gas turbine blades | Anandu Raj, M.L.R. Chaitanya Lahari | ME | IJMETMR | Aug-17 | ISSN 2348-4845 Vol.4,2017, Issue 8 (August) |

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| 78 | Enhancement of Mechanical Properties of PTFE master batch composites using AL2O3 Nanofiller | Hari Krishna Neyyala, M.L.R. Chaitanya Lahari | ME | GJAET | 2017 | ISSN (Online): 2277-6370 & ISSN (Print):2394-0921 Volume 6, Issue 3- 2017 |
| 79 | Thermal Simulation of Clamshell Heat Exchanger with different fluid flows- A STUDY | BICHA | ME | IJIIR | 2017 | ISSN 7271-7276, Volume No 5, Aug-Sep 2017. |
| 80 | An Analysis to Thermal Load and Mechanical load Coupling of a Gasoline engine piston coated with high copper Boride Alloy | BICHA | ME | IJR | 2017 | Volume 4, Issue 14, ISSN: 2348-6848, Volume 4 |
| 81 | A Schematic Design and analysis of a heat exchanger with parallel and Counter flow analysis- CFD approach | BICHA | ME | AIJREAS | 2017 | Volume 2, Issue 10, ISSN: 2455-6300, Volume 2 |
| 82 | Experimental Investigation to Optimize Process Parameters of sheet metal forming process for Aluminium alloy | MOHAMMAD IMRAN, K AKHILA | ME | GJAET | 20-Aug | VOLUME-6, ISSUE3-2017, ISSN: 2277-6370, pg no 184-189 |
| 83 | Influence of confinement effect on fluid flow characteristics of multiple impinging on flat surface in JSME | Naveen ,Somanagouda Biradar | ME | JSME | 14-Jun | VOLUME:3, P- ISSN;e- ISSN:2393-9109 |
| 84 | Comprehensive review on performance, combustion and emission characteristics of compression ignition engine fuelled with producer gas in dual fuel mode | Somanagouda Biradar, santosh Ghorpade | ME | IJEMR | 31-Oct | VOLUME:7, ISSUE:1 ISSN:2394-6962 |
| 85 | Design and Modelling of CNC rotary table with pallet analysis for horizontal machining centre | C DAKSHEESWARA REDDY, SRINIVAS PATIL | ME | IJIRST | 16-Aug | VOLUME NO-3, ISSUE NO3 |
| 86 | Production of Karanja Methyl Ester from Crude Karanja Oil using MeretrixLyrata Synthesized Active CaO Catalyst | Dewi H, A. A. Saleh, A.N.R. Reddy, and S. Hamdan | ME | En Con. | 13 - 15 September 2017 | |
| 87 | A Study on Chicken Fat as an Alternative Feedstock: Biodiesel Production, Fuel Characterization, and Diesel Engine Performance Analysis | M. N. Mohiddin, A. A. Saleh, A.N.R. Reddy and S. Hamdan | ME | En Con. | 13 - 15 September 2017 | |

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| 88 | ASME Conference at manufacturing Science and Engineering Conference organized by University of Southern California | S.K.Sahoo, S.K.Sahu | ME | AMSE-MSEC | 4-8 June, 2017 | |
| 89 | A previes on structural health monitoring using evolutionary algorithms | G Dheeraj Kumar, S Deva Prasad | ME | ICMTS 2017, IIT Madras | | |
| 90 | A Study on Chicken Fat as an Alternative Feedstock: Biodiesel Production, Fuel Characterisation, and Diesel Engine Performance Analysis | M. N. Mohiddin, A. A. Saleh, A.N.R. Reddy, and S. Hamdan | ME | IJAM | Sept. 2018 | vol. 15, no. 3 pp. 5535-5546 |
| 91 | An Experimental Investigation of Karanja Biodiesel Production in Sarawak, Malaysia. | Dewi H, A. A. Saleh, A.N.R. Reddy | ME | JOURNAL OF ENGINEERING | Jan. 2018 | vol. Jan. 2018 |
| 92 | Experimental evaluation of fatty acid composition influence on Jatropa biodiesel physicochemical properties | A. N. R. Reddy, A. A. Saleh, M. S. Islam, S. Hamdan, M. R. Rahman, and H. H. Masjuki | ME | JOURNAL OF RENEWABLE & SUSTAINABLE ENERGY | Jan. 2018. | vol. 10, no. 1, p. 20 |
| 93 | U. Srinivasa Athreya ,D.Damodara Reddy | DAMODARA REDDY DESU | ME | International SCOPUS | IJR | Aug-18 |
| 94 | ANALYSIS OF IMPACT PROPERTY OF CARBON/SISAL FIBER REINFORCED HYBRID COMPOSITES. | B.SANDHYA RANI, Dr.A.RAMESH DR.B.DURGA PRASAD | ME | IJAERD | Oct-18 | ISSN(P): 2249-6890 ISSN(E):2249-8001 |
| 95 | DESIGN AND CHARECTERIZATION OF E-GLASS FIBER REINFORCED COMPOSITE MATERIAL WITHUSE OF SISAL FIBER | B.SANDHYA RANI, Dr.A.RAMESH DR.B.DURGA PRASAD | ME | IJAERD | Feb-18 | |
| 96 | Design and CFD Analysis of Hair Pin Heat Exchanger using TiO, MgO, Ag/Glycerin-Water based Nanofluid | MLR Chaitanya Lahari, Harish Makena, Sesha Talpa Sai, KS Naryana Swamy | ME | IJERT | Jan-18 | vol 7, no. 1, pp.182- 188 |
| 97 | <i>Turritella terebra</i> Shell Synthesized Calcium Oxide Catalyst for Biodiesel Production from Chicken Fat | M. N. Mohiddin, A. A. Saleh, A.N.R. Reddy and S. Hamdan | ME | International UNIMAS STEM engg conference | ##### | |
| 98 | Design and analysis of double pipe heat exchanger with copper nano fluid | MLR Chiatanya Lahari, K Bicha, Dr. PHV Sesha Talpa Sai, Dr. KS Narayana Swamy | ME | ICEMS | JUNE 22,232018 | |

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| 99 | Investigation of heat transfer properties of water based TiO ₂ -ZnO nano fluids | MLR Chiatanya Lahari, Dr. PHV Sesha Talpa Sai, Dr. KS Narayana Swamy, N KrishnaMurthy , KV Sharma | ME | ICAAMM | 2018 | |
| 100 | Numerical analysis of heat transfer characteristics using Nickel and copper nano fluids | MLR Chiatanya Lahari, , Dr. KS Narayana Swamy, S Devaraj , Dr. PHV Sesha Talpa Sai | ME | ICRRTMCE | 2018 | |
| 101 | Design and analysis of double pipe heat exchanger with copper nano fluid | MLR Chiatanya Lahari, K Bicha, Dr. PHV Sesha Talpa Sai, Dr. KS Narayana Swamy | ME | ICEMS | JUNE 22,232018 | |
| 102 | Investigation of heat transfer properties of water based TiO ₂ -ZnO nano fluids | MLR Chiatanya Lahari, Dr. PHV Sesha Talpa Sai, Dr. KS Narayana Swamy, N KrishnaMurthy , KV Sharma | ME | ICAAMM | 2018 | |
| 103 | Numerical analysis of heat transfer characteristics using Nickel and copper nano fluids | MLR Chiatanya Lahari, , Dr. KS Narayana Swamy, S Devaraj , Dr. PHV Sesha Talpa Sai | ME | ICRRTMCE | 2018 | |
| 104 | Jatropha Biodiesel Production Evolution using an Active Heterogeneous Nano Catalyst Synthesized from Domestic Waste Chicken Eggshells | A.N.R. Reddy, A. Ahmed, S. Hamdan, D. KC, and M. Harish | ME | ICEMS-2016 | Sep-16 | |
| 105 | Assessment of ergonomically designed handle shapes for low-frequency vibration responses | B Jain A R Tony and MS Alphin | ME | Proceedings of Institution of Mechanical Engineering Part L: Journal of Materials: Design and Applications | 2018 | April 2018 |
| 106 | Influence of handle shape and size to reduce the hand-arm vibration discomfort | B Jain A R Tony and MS Alphin. | ME | WORK: A Journal of Prevention, Assessment, and Rehabilitation | 2018 | September 2018 |
| 107 | Finite element analysis to assess the biomechanical behavior of a finger model gripping handles with different diameters | B Jain A R Tony and MS Alphin. | ME | Biomedical Human Kinetics | 2019 | May 2019 |
| 108 | The sensitivity of contact stresses in the mandibular premolar region to the shape of Zirconia dental implant: A 3D finite | D Velmurugan, M Alphin, B Jain AR Tony | ME | Polish Journal of Medical Physics and Engineering | 2018 | August 2018 |

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| | element study | | | | | |
| 109 | An analytical study – dynamic behavior of the humanhand to hold mechanical handle with and without coating | B Jain A R Tony, Alphin M S | ME | VibroEngineering Procedia | 2018 | December 2018 |
| 110 | Injection Mold Design Parameters Calculation Using Pro/Plastic Advisor for Spur Gear | B Jain A R Tony, S Karthikeyen, B Jeslin A R Alex | ME | Materials Today: Proceedings | 2017 | November 2017 |
| 111 | Injection Molding Parameters Calculations by Using Visual Basic (VB) Programming | B Jain A R Tony, S Karthikeyen, B Jeslin A R Alex and Z Jahid Ali Hasan | ME | IOP Conf. Series: Materials Science and Engineering | 2018 | January 2018 |
| 112 | modelling and analysis of cam shaft | K.NAGA MANENDHAR RAO , DR.THRISEKHAR REDDY | ME | IJRAET | 2017 | May 2017 |
| 113 | DESIGN AND STATIC ANALYSIS OF MARINE PROPELLER | Lakshmi Lavanya, Dr. G. Thrisekhar Reddy | ME | IJPES | 2018 | Jun 2018 |
| 114 | DESIGN AND ANALYSIS OF MOTOR BIKE FRAME | Srihari Mallela , Dr.Thrisekhar Reddy | ME | IJPES | 2017 | Jun 2017 |
| 115 | Study on Mechanical Properties of Corn Cob Particle and E-Glass Fiber Reinforced Hybrid Polymer Composites | Kiran R. Garadimani*, G. U. Raju, K. G. Kodancha | ME | AJMS | 2015 | Aug 2015 |
| 116 | An Experimental Investigation on Heat Transfer in Automobile Radiator Using the Reinforcement of Titanium Dioxide Nano-Fluid in Coolant | P Praveen Kumar Reddy , ALS Brahma Reddy , Cherukupalli Sudhakar | ME | IJRAT | 2019 | |
| 117 | Evaluation of canola based cutting fluid with extreme pressure additive in turning AISI 1040 steel | Brahma Reddy ALS, Satheesh Kumar B, Padmanabhan G | ME | MTT-CMTI | 2016 | |
| 118 | Serpentine Cooling Of High Pressure GasTurbine Blade | K.Srinivasa Reddy | ME | ASME International | 2008 | Jan, 2008 |

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|-----|---|--|-----|--|--------|----------------|
| 119 | Modal analysis of dump truck chassis frame made of composite materials | Adem Siraj, K.Srinivasa Reddy, N.Ramesh Babu | ME | International Journal of Engineering, Science and Technology | 2019 | Jan, 2019 |
| 120 | “Corporate social responsibility in sustainable environment management of selected companies at Adwa Tigray region” | Dr.R.Durga Prasad | MBA | Journal of Social Science and Management | Jun-18 | ISSN 0975-0231 |
| 121 | “Use of Digital Banking for Improving Quality of Service Delivery: An Empirical Study of Selected Indian Banks” | Dr. Vaishali Pagaria | MBA | Journal of Social Welfare and Management | Jun-18 | ISSN 0975-0231 |
| 122 | “Use of Digital Banking for Improving Quality of Service Delivery: An Empirical Study of Selected Indian Banks” | Dr. Vaishali Pagaria | MBA | Journal of Social Science and Management | Jun-18 | ISSN 0975-0231 |

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. V Chandrasekar | | Energy-Efficient Secure Data Aggregation Framework (ESDAF) Protocol in Heterogeneous Wireless Sensor Networks | Energy-Efficient Secure Data Aggregation Framework (ESDAF) Protocol in Heterogeneous Wireless Sensor Networks | International Conference on Emerging Technologies in Computer Science | International | Jul-17 | ISBN: 978-93-85100-13-0 | MRCET | Springer |

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|---|--------------------|--|---|---|---|---------------|--------|-------------------------|-------|----------|
| 2 | Dr. V Chandrasekar | | Improving the Security Issues in Wireless Sensor using Heterogeneous Algorithm | Improving the Security Issues in Wireless Sensor using Heterogeneous Algorithm | International Conference on Emerging Technologies in Computer Science | International | Jul-17 | ISBN: 978-93-85100-13-0 | MRCET | Springer |
| 3 | Dr. V Chandrasekar | | Reach Centroid Algorithm Identify the Wireless Localization in Wireless Sensor Networks | Reach Centroid Algorithm Identify the Wireless Localization in Wireless Sensor Networks | International Conference on Emerging Technologies in Computer Science | International | Jul-17 | ISBN: 978-93-85100-13-0 | MRCET | Springer |
| 4 | Dr. V Chandrasekar | | Routing Information Protocol for Wireless Sensor Networks | Routing Information Protocol for Wireless Sensor Networks | International Conference on Emerging Technologies in Computer Science | International | Jul-17 | ISBN: 978-93-85100-13-0 | MRCET | Springer |
| 5 | Dr. V Chandrasekar | | A Distributed Three-Hop Routing Protocol to Increase the Capacity of Hybrid Wireless Networks | A Distributed Three-Hop Routing Protocol to Increase the Capacity of Hybrid Wireless Networks | International Conference on Emerging Technologies in Computer Science | International | Jul-17 | ISBN: 978-93-85100-13-0 | MRCET | |
| 6 | Dr. V Chandrasekar | | BLUE DOG | BLUE DOG | International Conference on Emerging Technologies in Computer Science | International | Jul-17 | ISBN: 978-93-85100-13-0 | MRCET | |

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|----|--------------------|---------------------|--|--|--|---------------|--------|-------------------|-------|-------------------|
| 7 | Dr. V Chandrasekar | | User Authentication Based on Hausdroff Distance in Keystroke Dynamics using Memetic Algorithms | User Authentication Based on Hausdroff Distance in Keystroke Dynamics using Memetic Algorithms | International Conference on Technical Advances in Computer Science and Engineering | International | Jul-17 | | MRCET | |
| 8 | Dr.K.Palan | | Multicost Parameters Based Gateway Route Discovery Scheme Using Hybrid Routing Protocols In Heterogeneous Networks | Multicost Parameters Based Gateway Route Discovery Scheme Using Hybrid Routing Protocols In Heterogeneous Networks | IEEE International Conference on Innovations Green Energy Healthcare Technologies | International | Jul-17 | | MRCET | IEEE |
| 9 | Dr.K.Palan | | Performance Analysis of IoT - Enabled Intelligent control Systems for Smart Cities | Performance Analysis of IoT - Enabled Intelligent control Systems for Smart Cities | International Conference Recent Innovations in Engineering And Technology | International | Jul-17 | | MRCET | |
| 10 | Dr.VSK Reddy | Signals and Systems | Signals and Systems | -- | -- | International | 2017 | 978-1-307-08400-9 | MRCET | Tata Mc Graw Hill |

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|----|--------------------|---|---|----|----|---------------|------|-------------------|-------|-------------------|
| 11 | Sanjeeva Reddy P | Signals and Systems | Signals and Systems | -- | -- | International | 2017 | 978-1-307-08400-9 | MRCET | Tata Mc Graw Hill |
| 12 | Dr.Srinivasa Rao S | Electrical Circuits | Electrical Circuits | -- | -- | International | 2017 | 978-1-307-08472-6 | MRCET | Tata Mc Graw Hill |
| 13 | Jyothi B | Signals and Systems | Signals and Systems | -- | -- | International | 2017 | 978-1-307-08400-9 | MRCET | Tata Mc Graw Hill |
| 14 | G.S.Naveen Kumar | Probability Theory and Stochastic Processes | Probability Theory and Stochastic Processes | -- | -- | International | 2017 | 978-1-307-08474-0 | MRCET | Tata Mc Graw Hill |
| 15 | Saritha N | Probability Theory and Stochastic Processes | Probability Theory and Stochastic Processes | -- | -- | International | 2017 | 978-1-307-08474-0 | MRCET | Tata Mc Graw Hill |

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|----|-----------------|---|---|----|----|---------------|------|-------------------|-------|-------------------|
| 16 | Renju Panicker | Probability Theory and Stochastic Processes | Probability Theory and Stochastic Processes | -- | -- | International | 2017 | 978-1-307-08474-0 | MRCET | Tata Mc Graw Hill |
| 17 | Subhas K | Electrical Technology | Electrical Technology | -- | -- | International | 2017 | 978-1-307-08473-3 | MRCET | Tata Mc Graw Hill |
| 18 | Ramesh N | Electrical Technology | Electrical Technology | -- | -- | International | 2017 | 978-1-307-08473-3 | MRCET | Tata Mc Graw Hill |
| 19 | Raji Reddy P | Electrical Technology | Electrical Technology | -- | -- | International | 2017 | 978-1-307-08473-3 | MRCET | Tata Mc Graw Hill |
| 20 | Saidulu Reddy O | Electrical and Electronics Engineering | Electrical and Electronics Engineering | -- | -- | International | 2017 | 978-1-307-04721-9 | MRCET | Tata Mc Graw Hill |
| 21 | P Honey Diana | LQN-MAC: A LOCATION BASED QOS AWARE NOVEL MAC PROTOCOL FOR ACHIEVING HIGH THROUGHPUT IN | LQN-MAC: A LOCATION BASED QOS AWARE NOVEL MAC PROTOCOL FOR ACHIEVING HIGH THROUGHPUT IN | | | International | 2017 | 23198354 | MRCET | IJARSE |

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|----|-----------------------------|--|---|---|---|---------------|--------|-------------------------|-------|--------------------------------------|
| | | | MANETS | | | | | | | |
| 22 | P Honey Diana | | Smart Traffic Control System using Zigbee/RFID Networks | | | International | 2017 | 9766316 | MRCET | IJCIET |
| 23 | Dr. Surampudi Srinivasa Rao | Compiled Author for "Electronic Devices & Circuits", | | | | | 2017 | | MRCET | McGraw Hill Publications, July 2017. |
| 24 | Dr. Surampudi Srinivasa Rao | Compiled Author for "Electric Circuits" | | | | | 2017 | | MRCET | McGraw Hill Publications, July 2017. |
| 25 | Dr. V Chandrasekar | | Energy-Efficient Secure Data Aggregation Framework (ESDAF) Protocol in Heterogeneous Wireless Sensor Networks | Energy-Efficient Secure Data Aggregation Framework (ESDAF) Protocol in Heterogeneous Wireless Sensor Networks | International Conference on Emerging Technologies in Computer Science | International | Jul-17 | ISBN: 978-93-85100-13-0 | MRCET | Springer |

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|----|--------------------|--|---|---|---|---------------|--------|-------------------------|-------|----------|
| 26 | Dr. V Chandrasekar | | Improving the Security Issues in Wireless Sensor using Heterogeneous Algorithm | Improving the Security Issues in Wireless Sensor using Heterogeneous Algorithm | International Conference on Emerging Technologies in Computer Science | International | Jul-17 | ISBN: 978-93-85100-13-0 | MRCET | Springer |
| 27 | Dr. V Chandrasekar | | Reach Centroid Algorithm Identify the Wireless Localization in Wireless Sensor Networks | Reach Centroid Algorithm Identify the Wireless Localization in Wireless Sensor Networks | International Conference on Emerging Technologies in Computer Science | International | Jul-17 | ISBN: 978-93-85100-13-0 | MRCET | Springer |

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|---------------------------------------|---|
| 3.5.1 Q_nM | <p><i>Revenue generated from consultancy and corporate training during the year (INR in Lakhs):</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • 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 |
|---------------------------------------|---|

| <i>3.5.1 Revenue generated from consultancy and corporate training during the year (INR in Lakhs):</i> | | | | | |
|--|--|--|--|--------------------------------------|-----------------------------------|
| Academic Year:2017 -2018 | | | | | |
| 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 | Design And Development Mobile Application For Local Clinics | Web Cognize, Hyderabad | 1.8Lakhs | 30,70,000/- |
| 2 | M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad | Predictive Automobile Maintenance Log Analysis | M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad | 1.3Lakhs | |
| 3 | M/S Admire Solutions, Coimbatore | A Secure and Dynamic MultiKeyword Ranked Search Scheme Over Encrypted Cloud Data | M/S Admire Solutions, Coimbatore | 2.3 Lakhs | |
| 4 | Dr Ajith Raj R | Structural Investigation of Rocket Motor casing | Tirumala Engineering | 750000 | |
| 5 | Dr G Srinivasan | CFD Analysis of Morphing Wing using WENO Scheme | Winwill Technologies | 600000 | |
| 6 | Aran Technologies | Deep learning with text mode | Aran Technologies, Salem | 3 Lakhs | |
| 7 | Dr. P. Srikar | Development of QUAD Copter Based Pesticide Spraying Mechanism for Agricultural Mechanism | Involute Automation Pvt. Ltd. | 1.7 Lakhs | |
| 8 | Dr. D. Durga Rao | To overcome Shear and Wear in SS304 Steel Rivet Joints | Raha Engineering Works | 0.35 Lakhs | |

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|----|-------------------------|---|-----------------------------------|------------|--|
| 9 | Mr. D. Damodar Reddy | Thermo – Electric Refrigerator | Industrial Electricals & Controls | 0.5 Lakhs | |
| 10 | Dr.C.Ravi Shankar Reddy | On-Chip Voice controlled Interactive Enquiry system | Embedded RF Technologies | 6.25 Lakhs | |

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| 3.5.2 | <i>Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the year</i> |
| | Q_nM Data Requirement: <ul style="list-style-type: none"> • 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 |
|----------------------------------|-----------------|---------------------------------|-------------------------------------|---|---|--------------------|---------------------------------|-------------------------------------|---|---|--------------------|--------------------------|------------------------|-------------------|
| Internet of Things Lab | 70000 | Mr. Rajasekhar Reddy | Internet of Things | Hands on IOT | Peramson's Software Development Private Limited | 40,000 | Mr.Naveen Kumar | Internet of Things | Hands on IOT | Peramson's Software Development Private Limited | 15000 | 40,000 | 15000 | 55000 |
| Centre of Excellence in Robotics | 100,000 | Rupak Jada | Robotics LAB | Design and development of robots | Hello Robotics | 45,000 | M.Ramanjaneyulu | Robotics LAB | Design and development of robots | Hello Robotics | 40,000 | 15,000 | 10,000 | 25,000 |
| Mentor Graphics Tools | 225,000 | k.Ramakrishna | VLSI LAB | Testing and diagnostic software | SOCTRONICS Hyderabad | 85,000 | K.Suresh | VLSI LAB | Testing and diagnostic software | SOCTRONICS Hyderabad | 35,000 | 15,000 | 10,000 | 25,000 |
| Centre of Excellence in Robotics | 100,000 | Dr.N..S. Gowri Ganesh | Information Technology | application development of Data Warehousing & Data Mining | Aran Technologies | 45,000 | Dr.N..S. Gowri Ganesh | Information Technology | application development of Data Warehousing & Data Mining | Mrcet/Aran Technologies | 40,000 | 15,000 | 10,000 | 25,000 |

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|----------------------------------|---------|------------------|------------------------|----------------|-----------------------|---------|------------------|------------------------|----------------|-----------------------|--------|---------|--------|---------|
| Centre of Automation Engineering | 250,000 | Dr. BR Jain Tony | Mechanical Engineering | Humanoid Robot | Adroitec Technologies | 175,000 | Dr. BR Jain Tony | Mechanical Engineering | Humanoid Robot | Adroitec Technologies | 50,000 | 175,000 | 25,000 | 250,000 |
|----------------------------------|---------|------------------|------------------------|----------------|-----------------------|---------|------------------|------------------------|----------------|-----------------------|--------|---------|--------|---------|

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| <p>3.6.1</p> <p>Q_iM</p> | <p><i>Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year</i></p> <p>Describe the impact of extension activities in sensitizing students to social issues and holistic development within a maximum of 500 words</p> |
|--|--|

- Blood donation camp strengthens the sense of empathy and compassion among donors and also instils in them a sense of commitment and ethical responsibility. Blood donation camp was organized as part of NSS activity. Many faculty and students came forward to donate blood.
- Yoga was organized in association with Brahmakumaris to all the faculty members on the occasion of Yoga Day celebrations.

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

- Activities like Swatch Bharath (from 2016 to 2020) is conducted in Near by Villages and created awareness program on health and other responsibilities
- Harithaharam (Tree plantation) was done at Bahadrypally, 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 neighbourhood, 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.
- 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.

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| 3.6.2 Q _n M | <p><i>Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognized bodies during the year:</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name of the activity • Name of the Award/recognition • Name of the Awarding government/ recognized bodies • Year of the Award |
|---------------------------|--|

| 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 | Academic Year | 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 | 2017-18 | Mentor-Appreciation | Mr. M V Kamal | Mentoring - Appreciation | Digital India, Govt of India and AICTE (SmartIndiaHackathon) | 2017 |
| 2 | CSE | 2017-18 | Mentor-Appreciation | Dr.JayapalMedida | Mentoring - Appreciation | Digital India, Govt of India and AICTE (SmartIndiaHackathon) | 2017 |
| 3 | IT | 2017-18 | Best academician of the year award | Dr.A.Mummoorthy | Best academician of the year award | Combined Society for educational Research & Development Dehradun,UK,India. | 2017 |
| 4 | IT | 2017-18 | Young Faculty | Dr.A.Mummoorthy | Young Faculty | Venus International Faculty Awards-VIFA 2018 India. | 2017 |
| 5 | ECE | 2017-18 | Best Academician | Dr VSK Reddy | Best Academician | LCU | 2017 |
| 6 | ECE | 2017-18 | Best Teacher | Dr C Ravishankar Reddy | Best Teacher | LEAD | 2017 |
| 7 | ECE | 2017-18 | BestResearch paper | Dr B.Jyothi | BestResearch paper | MRECW | 2017 |
| 8 | ECE | 2017-18 | Best Teacher | M Ramanjaneyulu | Best Teacher | LEAD | 2017 |
| 9 | ECE | 2017-18 | Paper Presentation | D Asha | Paper Presentation | JNTUH | 2017 |

| 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 | Academic Year | Name of the activity | Name of the Student | Name of the Award/ recognition | Name of the Awarding government/ | Year of the Award |

| | | | | | recognized bodies | |
|-----|---------|--------------------------------------|------------------|-------------------|-------------------|------|
| CSE | 2017-18 | Business and Entrepreneurship of eDC | ShaikAdil | Campus Ambassador | BECON – 2018 | 2017 |
| CSE | 2017-18 | Mobile App Development | ShaikAdil | Internshala | VotesLiberty | 2017 |
| CSE | 2017-18 | PYLENS | RishabhAwasthi | Participation | PYLENS | 2017 |
| CSE | 2017-18 | Web Designing | B Naveen Reddy | Winner | CMR | 2017 |
| CSE | 2017-18 | Logo Tech | K Yasaswini | Winner | CMR | 2017 |
| CSE | 2017-18 | Mission impossible | K Aditya | Winner | CMR | 2017 |
| CSE | 2017-18 | Debugging | B VenuGopal | Winner | CMR | 2017 |
| CSE | 2017-18 | General Quiz | A Ravali | Winner | CMR | 2017 |
| CSE | 2017-18 | Software Design Contest | G Navya | Winner | CMR | 2017 |
| CSE | 2017-18 | Debate | P Divya | Winner | CMR | 2017 |
| CSE | 2017-18 | Logo Tech | A Vamsi Krishna | 2ND Prize | CMR | 2017 |
| CSE | 2017-18 | General Quiz | A Akansha Sharma | 2ND Prize | CMR | 2017 |
| CSE | 2017-18 | Debate | G Rohit | Winner | MRECW | 2017 |
| CSE | 2017-18 | Poster Presentation | G Sathwik Reddy | Winner | CVR | 2017 |
| CSE | 2017-18 | Poster Presentation | K Devika | 2ND Prize | CVR | 2017 |
| CSE | 2017-18 | Code Mantra | G Mrudhula | Winner | CVR | 2017 |
| CSE | 2017-18 | Poster Presentation | G Priyanka | Winner | CVR | 2017 |
| CSE | 2017-18 | Code Mantra | K Charitha | 2ND Prize | CVR | 2017 |
| CSE | 2017-18 | Master of C | K SreeSwapna | Winner | CVR | 2017 |
| CSE | 2017-18 | Master of C | B Priyanka | Winner | CVR | 2017 |
| CSE | 2017-18 | Technical Quiz | N Bhavana | Winner | MGIT | 2017 |

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|-----|---------|--------------------|-------------------------|---------------|----------|------|
| CSE | 2017-18 | Paper Presentation | ASHUTOSH MEHTA | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Paper Presentation | B SIDDHARTH | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Paper Presentation | CHENNURI INDU | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Paper Presentation | CHINTHALA SRIKANTH | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Paper Presentation | DEVUNLA MADHAVI | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Paper Presentation | MEGHAANA TUMMAPUDI | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | SHRUTY SUMAN | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | G SRAVANI | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | DURGAM SAITEJA | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | AITHA RAHUL | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | CHILUKURTHI SAI LIKHITH | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | B VARUN KUMAR | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | CHATTU.RAKESH | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | MEGHAANA TUMMAPUDI | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | AITHA RAHUL | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | CHILUKURTHI SAI | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | B VARUN KUMAR | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | System Craft | CHATTU.RAKESH | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Matha Mania | Sai Krishna | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Matha Mania | D.Vani Kalpana | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Matha Mania | Shubam Chandra | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Matha Mania | P.Sai Ravi Kumar | Participation | VNRVJIET | 2017 |

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|-----|---------|-----------------------------|------------------------------|---------------|----------|------|
| CSE | 2017-18 | Matha Mania | P.Surya | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Matha Mania | S.Gowthami Roja | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Matha Mania | Edara Sphurthi | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Matha Mania | E HARISMITHA | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Matha Mania | RAVULA MANASWINI | Participation | VNRVJIET | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | DONTHA PRABHU KUMAR | Participation | MRCE | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | D.VINUTHNA | Participation | MRCE | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | DHARMESH GIDWANI | Participation | MRCE | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | DASARI DEEPTHI | Participation | MRCE | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | ARIGALA ASWANTH | Participation | MRCE | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | AREPALLY RAMYA SAHITHI | Participation | MRCE | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | GADDALA KEERTHI | Participation | MRCE | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | GADDAM AKHIL | Participation | MRCE | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | RACHANA GHATADI | Participation | MRCE | 2017 |
| CSE | 2017-18 | Ethical Hacking Workshop | GOLRILLA PRAGNYA DEVI | Participation | MRCE | 2017 |
| CSE | 2017-18 | Artificial placements | GOPU SAI RANADEEP REDDY | Participation | MRITS | 2017 |
| CSE | 2017-18 | Artificial placements | GORULA SUMANTH | Participation | MRITS | 2017 |
| CSE | 2017-18 | Artificial placements | RAMANCHA SNEHA PRIYA | Participation | MRITS | 2017 |
| CSE | 2017-18 | Artificial placements | JOGOLLA KEERTHI | Participation | MRITS | 2017 |
| CSE | 2017-18 | Artificial placements | K.SAI SINDHU | Participation | MRITS | 2017 |
| CSE | 2017-18 | Artificial placements | K.SUPRIYA DEVI | Participation | MRITS | 2017 |
| CSE | 2017-18 | Artificial placements | KANKANALA SRI SAI KOUSHIK | Participation | MRITS | 2017 |

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|-----|---------|-----------------------|--------------------------|---------------|-------|------|
| CSE | 2017-18 | Artificial placements | KASIREDDY AMARANTH REDDY | Participation | MRITS | 2017 |
| IT | 2017-18 | AARYA 2k18 | V LAXMI RAMYA | Winner | CMR | 2017 |
| IT | 2017-18 | AARYA 2k18 | SHREYAS M HUILGOL | Winner | CMR | 2017 |
| IT | 2017-18 | AARYA | S VISHNUVARDHAN | Winner | CMR | 2017 |
| IT | 2017-18 | 2k18 | M SIRI CHANDANA | Winner | CMR | 2017 |
| IT | 2017-18 | AARYA 2k18 | K SUCHARITHA | Winner | CMR | 2017 |
| IT | 2017-18 | AARYA 2k18 | G SAI KUMAR | Winner | CMR | 2017 |
| IT | 2017-18 | AARYA 2k18 | D ANIRUDH REDDY | Winner | CMR | 2017 |
| IT | 2017-18 | AARYA 2k18 | D RAHUL | Winner | CMR | 2017 |
| IT | 2017-18 | AARYA 2k18 | ABDUL KALEEM | Winner | CMR | 2017 |
| IT | 2017-18 | AARYA 2k18 | T SAMHITHA | Winner | CMR | 2017 |
| IT | 2017-18 | Future Sastra 2018 | N RAJASRI VARMA | Winner | MRECW | 2017 |
| IT | 2017-18 | CIENCIA 2018 | K SIRISHA | Winner | CVR | 2017 |
| IT | 2017-18 | CIENCIA 2018 | J SRIHITHA | Winner | CVR | 2017 |
| IT | 2017-18 | CIENCIA 2018 | E PRAVEEN | Winner | CVR | 2017 |
| IT | 2017-18 | CIENCIA 2018 | C NITEESH | Winner | CVR | 2017 |
| IT | 2017-18 | CIENCIA 2018 | B SUMANTH CHANDRA | Winner | CVR | 2017 |
| IT | 2017-18 | CIENCIA 2018 | BH CHAITANYA | Winner | CVR | 2017 |
| IT | 2017-18 | CIENCIA 2018 | N MADHAVI | Winner | CVR | 2017 |
| IT | 2017-18 | Metallon 2018 | KATARI YUVARAJ | Winner | MGIT | 2017 |
| IT | 2017-18 | Metallon 2018 | J POOJA | Winner | MGIT | 2017 |
| IT | 2017-18 | TecsTasy 2k18 | D SAI DINESH | Winner | CBIT | 2017 |

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|-----|---------|--------------------------|-------------------------|---------------|----------|------|
| IT | 2017-18 | Paper Presentation | MAREPALLY SIRI CHANDANA | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Paper Presentation | NEYYAN JISHA | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Paper Presentation | PAGADALA ALEKYA | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Paper Presentation | SHREYAS M HUILGOL | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Paper Presentation | VARANASI SAI SRI | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Paper Presentation | VEMURI SREEROOPA | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Matha Mania | SAMMETA VISHNUVARDHAN | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Matha Mania | VEMULA AMALESWARI GOUD | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Matha Mania | VEMPATI HARIKA | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Matha Mania | VARANASI SAI SRI | Participation | VNRVJIET | 2017 |
| IT | 2017-18 | Ethical Hacking Workshop | NEYYAN JISHA | Participation | MRCE | 2017 |
| IT | 2017-18 | Ethical Hacking Workshop | VEMPATI HARIKA | Participation | MRCE | 2017 |
| ECE | 2017-18 | Paper Presentation | M V S Lalitha Sravya | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Paper Presentation | N Bhavani | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Paper Presentation | N Saranya | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Paper Presentation | C.M.Rajesh | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Paper Presentation | M.Suma | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Paper Presentation | K Abhinav | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | D.Lasya | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | G.Tejaswi | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | E.Varun Patel | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | D Gauthami Roja | Participation | VNRVJIET | 2017 |

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|-----|---------|--------------------------|--------------------|---------------|----------|------|
| ECE | 2017-18 | System Craft | V Revanth | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | T Suvarchala Naidu | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | R Swapna | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | P Mounika | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | M Nagarjuna | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | C.M.Rajesh | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | M.Suma | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | System Craft | K Abhinav | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Matha Mania | Sai Krishna | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Matha Mania | D.Vani Kalpana | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Matha Mania | Shubam Chandra | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Matha Mania | P.Sai Ravi Kumar | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Matha Mania | P.Surya | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Matha Mania | S.Gowthami RoJa | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Matha Mania | T.Mounisha | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Matha Mania | S.K.Apsar | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Matha Mania | P.Nandini | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Ethical Hacking Workshop | Y.N.Harika | Participation | MRCE | 2017 |
| ECE | 2017-18 | Ethical Hacking Workshop | V.N.S.Bharath | Participation | MRCE | 2017 |
| ECE | 2017-18 | Ethical Hacking Workshop | C.H.Rajesh | Participation | MRCE | 2017 |
| ECE | 2017-18 | Ethical Hacking Workshop | M.Anusha Reddy | Participation | MRCE | 2017 |
| ECE | 2017-18 | Ethical Hacking Workshop | D.N.Kushal | Participation | MRCE | 2017 |

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|------|---------|--|-----------------------|---------------|--|------|
| ECE | 2017-18 | Ethical Hacking Workshop | M.Monoj Kumar | Participation | MRCE | 2017 |
| ECE | 2017-18 | Ethical Hacking Workshop | K.Fareed Baba | Participation | MRCE | 2017 |
| ECE | 2017-18 | Ethical Hacking Workshop | T.Mounisha | Participation | MRCE | 2017 |
| ECE | 2017-18 | Ethical Hacking Workshop | T.Mounisha | Participation | MRCE | 2017 |
| ECE | 2017-18 | Ethical Hacking Workshop | P.Ravi kumar | Participation | MRCE | 2017 |
| ECE | 2017-18 | Artificial placements | D.Vani Kalpana | Participation | MRITS | 2017 |
| ECE | 2017-18 | Artificial placements | K.Fareed Baba | Participation | MRITS | 2017 |
| ECE | 2017-18 | Artificial placements | T.Mounisha | Participation | MRITS | 2017 |
| ECE | 2017-18 | Artificial placements | T.Mounisha | Participation | MRITS | 2017 |
| ECE | 2017-18 | Artificial placements | V.N.S.Bharath | Participation | MRITS | 2017 |
| ECE | 2017-18 | Artificial placements | C.H.Rajesh | Participation | MRITS | 2017 |
| ECE | 2017-18 | Artificial placements | M.Anusha Reddy | Participation | MRITS | 2017 |
| ECE | 2017-18 | Artificial placements | N.Naga sai | Participation | MRITS | 2017 |
| MECH | 2017-18 | Bridge building | VIPIN SURESH | Participation | Bridge building | 2017 |
| MECH | 2017-18 | Mechanical Engineering design with CAD | KAMLESH SOLANKI | Participation | Mechanical Engineering design with CAD | 2017 |
| MECH | 2017-18 | Mechanical Engineering design with CAD | K SAI NARAYAN REDDY | Participation | Mechanical Engineering design with CAD | 2017 |
| MECH | 2017-18 | Work Handling | BATHULA MADHU | Participation | Work Handling | 2017 |
| MECH | 2017-18 | Work Handling | K VINAY KUMAR | Participation | Work Handling | 2017 |
| MECH | 2017-18 | Work Handling | K KEERTHI PRASHANTH | Participation | Work Handling | 2017 |
| MECH | 2017-18 | Work Handling | B SANDEER KUMAR REDDY | Participation | Work Handling | 2017 |
| MECH | 2017-18 | Internet of things | B MADHU | Participation | Internet of things | 2017 |
| MECH | 2017-18 | Internet of things | B SRI SARATH CHANDRA | Participation | Internet of things | 2017 |

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|------|---------|-----------------------------|--------------------------|---------------|-----------------------------|------|
| MECH | 2017-18 | Threading and taper turning | P RAGHUVARAN | Participation | Threading and taper turning | 2017 |
| MECH | 2017-18 | Threading and taper turning | P RAJU | Participation | Threading and taper turning | 2017 |
| MECH | 2017-18 | Threading and taper turning | S RAGHUVARAN | Participation | Threading and taper turning | 2017 |
| MECH | 2017-18 | Oil Seal Design | B SANDEER KUMAR REDDY | Participation | Oil Seal Design | 2017 |
| MECH | 2017-18 | Oil Seal Design | K KEERTHI PRASHANTH | Participation | Oil Seal Design | 2017 |
| MECH | 2017-18 | Material identification | V YASASWINI | Participation | Material identification | 2017 |
| MECH | 2017-18 | Sheet Metal | I RAVI RAJ | Participation | Sheet Metal | 2017 |
| MECH | 2017-18 | Group Discussion | VIPIN SURESH | Participation | Group Discussion | 2017 |
| MECH | 2017-18 | CAM | K VINAY KUMAR | Participation | CAM | 2017 |
| MECH | 2017-18 | CAM | B MADHU | Participation | CAM | 2017 |
| MECH | 2017-18 | Mechatronics | K NITISH | Participation | Mechatronics | 2017 |
| MECH | 2017-18 | Mechatronics | K NAGA MANIDEEP | Participation | Mechatronics | 2017 |
| MECH | 2017-18 | Design Review | B SRI SARATH CHANDRA | Participation | Design Review | 2017 |
| MECH | 2017-18 | Design Review | P RAGHUVARAN | Participation | Design Review | 2017 |
| MECH | 2017-18 | Design Review | JOHN MOSES | Participation | Design Review | 2017 |
| MECH | 2017-18 | Auto Quiz | AKASH SHARMA | Participation | Auto Quiz | 2017 |
| MECH | 2017-18 | Auto Quiz | K NITISH | Participation | Auto Quiz | 2017 |
| MECH | 2017-18 | Auto Quiz | AMAR KUMAR | Participation | Auto Quiz | 2017 |
| MECH | 2017-18 | Modeling and animation | KAMLESH SOLANKI | Participation | Modeling and animation | 2017 |
| ANE | 2017-18 | Paper Presentation | APPIKONDA GOWRI MANOHAR | Participation | MRECW | 2017 |
| ANE | 2017-18 | Paper Presentation | BATCHU SAI CHANDU | Participation | MRECW | 2017 |
| ANE | 2017-18 | Paper Presentation | CHITTAJALLU SAM RICHARDS | Participation | MRECW | 2017 |

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|-----|---------|---------------------|-----------------------------------|---------------|-------|------|
| ANE | 2017-18 | Paper Presentation | ESHWARI KANAGALA | Participation | MRECW | 2017 |
| ANE | 2017-18 | Paper Presentation | GANGULA ROCHANA | Participation | VCE | 2017 |
| ANE | 2017-18 | Paper Presentation | KADALI NAVEEN KUMAR | Participation | VCE | 2017 |
| ANE | 2017-18 | Paper Presentation | KODIPARTHY RAM REDDY | Participation | VCE | 2017 |
| ANE | 2017-18 | Paper Presentation | KOMMI AMARA KOTESWARA RAO | Participation | VCE | 2017 |
| ANE | 2017-18 | Poster Presentation | KOTHAPALLI SRI MEGHA | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Poster Presentation | MD TAHER AHMED | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Poster Presentation | MUDUNURI CHAITANYA SURYA VARMA | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Poster Presentation | MUTHYALA AKHIL | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Poster Presentation | NANDIPATI BALA MURALI KRISHNA | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Poster Presentation | NAZNEEN | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Poster Presentation | NUNAVATH SUDHAKAR NAYAK | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Poster Presentation | RAHUL KODAG | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Poster Presentation | S D SRI TEJA | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Poster Presentation | SARDARNI HARJOTH KAUR | Participation | MLRIT | 2017 |
| ANE | 2017-18 | GROUP DISCUSSION | SATYANARAYANA GOUD | Participation | IARE | 2017 |
| ANE | 2017-18 | GROUP DISCUSSION | SHESHABHATTER PRAVALLIKA | Participation | IARE | 2017 |
| ANE | 2017-18 | GROUP DISCUSSION | THOTA PREM KUMAR | Participation | IARE | 2017 |
| ANE | 2017-18 | GROUP DISCUSSION | V SAI RAM KRISHNA | Participation | MLRIT | 2017 |
| ANE | 2017-18 | GROUP DISCUSSION | VAMSI KASTHALA | Participation | MLRIT | 2017 |
| ANE | 2017-18 | GROUP DISCUSSION | ACHYUTH REDDY J | Participation | MLRIT | 2017 |
| ANE | 2017-18 | GROUP DISCUSSION | BACHINA DHEERAJ | Participation | MLRIT | 2017 |

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|-----|---------|--------------------------------|--------------------------------|---------------|-------|------|
| ANE | 2017-18 | TECHNICAL QUIZ | D UMESH RAJ | Participation | IARE | 2017 |
| ANE | 2017-18 | TECHNICAL QUIZ | G ANVESH REDDY | Participation | IARE | 2017 |
| ANE | 2017-18 | TECHNICAL QUIZ | GUJJILLI SOWJANYA | Participation | MRECW | 2017 |
| ANE | 2017-18 | TECHNICAL QUIZ | K AKSHITH REDDY | Participation | MRECW | 2017 |
| ANE | 2017-18 | TECHNICAL QUIZ | KALPAGURI SAI KUMAR | Participation | MRECW | 2017 |
| ANE | 2017-18 | TECHNICAL MOCK INTERVIEW | KOTHAMADDI RAVINDARAREDDY | Participation | MRECW | 2017 |
| ANE | 2017-18 | TECHNICAL MOCK INTERVIEW | M KAVYA SRI | Participation | IARE | 2017 |
| ANE | 2017-18 | TECHNICAL MOCK INTERVIEW | MOHD ADIL | Participation | IARE | 2017 |
| ANE | 2017-18 | TECHNICAL MOCK INTERVIEW | MULAGUNDLA VENU GOPAL REDDY | Participation | IARE | 2017 |
| ANE | 2017-18 | TECHNICAL MOCK INTERVIEW | NADAPANA SRI RAMYA | Participation | CMRIT | 2017 |
| ANE | 2017-18 | TECHNICAL MOCK INTERVIEW | NOMULA ANVESH | Participation | CMRIT | 2017 |
| ANE | 2017-18 | TECHNICAL MOCK INTERVIEW | NUVUSHETTI VINAY KUMAR | Participation | CMRIT | 2017 |
| ANE | 2017-18 | MODELING AND SIMULATION | PUKKALLA CHAITANYA SREE | Participation | IARE | 2017 |
| ANE | 2017-18 | MODELING AND SIMULATION | RODDA VAMSHI | Participation | IARE | 2017 |
| ANE | 2017-18 | MODELING AND SIMULATION | SAKILAM BHARATH | Participation | IARE | 2017 |
| ANE | 2017-18 | MODELING AND SIMULATION | SHAIK INTHIYAZ BASHA | Participation | CMRIT | 2017 |
| ANE | 2017-18 | MODELING AND SIMULATION | T GOKUL SHIVA ROHAN | Participation | CMRIT | 2017 |
| ANE | 2017-18 | Material identification | VADDEPALLY DEEPIKA | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Material identification | ABBARAJU HEMANTH KUMAR | Participation | MLRIT | 2017 |
| ANE | 2017-18 | Material identification | BANOTH VINAY KUMAR | Participation | MLRIT | 2017 |

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|-----|---------|--------------------|---------------------|---------------|----------|------|
| ECE | 2017-18 | innovative project | Kritika Goyal | Participation | MRECW | 2017 |
| ECE | 2017-18 | Robo making | Preetham Katakam | Participation | BVRIT | 2017 |
| ECE | 2017-18 | Paper Presentation | Kusuma Nora Sunaina | Participation | MRECW | 2017 |
| ECE | 2017-18 | Technical Quiz | M Vishwa Raj | Participation | VCE | 2017 |
| ECE | 2017-18 | Code mania | J N S Pavani | Participation | VNRVJIET | 2017 |
| ECE | 2017-18 | Paper presentation | Koyyagura Navyakala | Participation | MRECW | 2017 |
| ECE | 2017-18 | Debugging | Modhepally Raviteja | Participation | BVRIT | 2017 |

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| 3.6.3 Q_nM | <p><i>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):</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name and number of the extension and outreach programs • 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)

A.Y 2017-2018

| \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 | Blood Donation Camp | NSS-MRCET | 2017-2018 | 25 | 65 |
| 2 | Swachh Bharat Summer Camp | NSS-MRCET | 2017-2018 | 35 | 205 |
| 3 | Yoga | NSS-MRCET | 2017-2018 | 37 | 154 |
| 4 | Health Camp | NSS-MRCET | 2017-2018 | 12 | 135 |
| 5 | Distribution Of Dictionaries | NSS-MRCET | 2017-2018 | 8 | 165 |
| 6 | Educational Awareness Programme | NSS-MRCET | 2017-2018 | 6 | 120 |

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| 3.6.4 QnM | <p><i>Average percentage of students participating in extension activities listed at 3.6.3 above during the year</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name of the activity • Name of the scheme • 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

A.Y 2017-2018

| 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 | Blood Donation Camp | NSS-MRCET | SWACHH BHARAT | 2017-2018 | 25 | 65 |
| 2 | Swachh Bharat Summer Camp | NSS-MRCET | SWACHH BHARAT | 2017-2018 | 35 | 205 |
| 3 | Yoga | NSS-MRCET | National Service Scheme | 2017-2018 | 37 | 154 |
| 4 | Health Camp | NSS-MRCET | Health Scheme | 2017-2018 | 12 | 135 |
| 5 | Distribution Of Dictionaries | NSS-MRCET | National Service Scheme | 2017-2018 | 8 | 165 |
| 6 | Educational Awareness Programme | NSS-MRCET | National Service Scheme | 2017-2018 | 6 | 120 |

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|--------------------------------|---|
| 3.7.1 QnM | <p><i>Number of Collaborative activities in the year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Title of the collaborative activity • Name of the collaborating agency with contact details • Source of financial support • Year of collaboration • Duration • 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 |
|---|--|--|-----------------------|----------|------------------------|
| Industrial Visit | GMR Aerospace, Hyderabad | GMR Aerospace, Hyderabad | 2017-2018 | 1 day | Industrial Visit |
| Project Work | Defence Research and Development Laboratory, Hyderabad | Defence Research and Development Laboratory, Hyderabad | 2017-2018 | 90 | Project Work |
| Industrial Visit | Air Force Station, Dundigal | Air Force Station, Dundigal | 2017-2018 | 1 day | Industrial Visit |
| Industrial Visit | BHEL, Hyderabad | BHEL, Hyderabad | 2017-2018 | 1 day | Industrial Visit |
| Big Data Analytics and IOT for Healthcare Applications | ICMR | ICMR | 2018-2019 | 7 | Research |
| A Framework for Resource Monitoring and Fault Tolerant Scheduling in Genetic Algorithms | Glossary Soft Tech Pvt. Ltd., | Glossary Soft Tech Pvt. Ltd., | 2017-2018 | 365 | Research |
| Analysis and need of lifecycle models for the development of semantic web-based applications | Coign Consultants Pvt. Ltd., | Coign Consultants Pvt. Ltd., | 2017-2018 | 365 | Research |
| Design and Development of Big Data Integration & Analytics Framework for Cyber Security to Mitigate Cyber Attacks | MRCET-LUC, Malaysia | MRCET-LUC, Malaysia | 2017-2018 | 365 | Research |
| Design And Development Mobile Application | Web Cognize, Hyderabad | Web Cognize, Hyderabad | 2017-2018 | 365 | Research |

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|-------------------|--|--|--|--|--|
| For Local Clinics | | | | | |
|-------------------|--|--|--|--|--|

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|---|--|--|-----------|-----|--------------|
| Predictive Automobile Maintenance Log Analysis | M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad | M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad | 2017-2018 | 365 | Research |
| A Secure and Dynamic Multi-Keyword Ranked Search Scheme Over Encrypted Cloud Data | M/S Admire Solutions, Coimbatore | M/S Admire Solutions, Coimbatore | 2017-2018 | 365 | Research |
| Industry Institute collaboration | Hello Robotics | Hello Robotics | 2017-2018 | 30 | Internship |
| Industry Institute collaboration | Hello Robotics | Hello Robotics | 2017-2018 | 30 | Project work |
| Industry Institute collaboration | Hello Robotics | Hello Robotics | 2017-2018 | 30 | Internship |
| Industry Institute collaboration | EdCIL(India) Limited | EdCIL(India) Limited | 2017-2018 | 30 | Internship |
| Industry Institute collaboration | NRSC, Hyderabad | NRSC, Hyderabad | 2017-2018 | 30 | Internship |
| Industry Institute collaboration | MSME, Hyderabad | MSME, Hyderabad | 2017-2018 | 390 | Internship |

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 |
|---|--|---------------------|----------|--|---|
| Aero modellers association of Hyderabad | Aero modellers association of Hyderabad | 05-06-2018 | 2 years | Workshop related to RC aircrafts | 120 |