

Criterion III – Research, Innovations and Extension

Metric No.	Key Indicator - 3.1 Promotion of Research and Facilities
3.1.1 Q ₁ M	<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>Facilities:</p> <hr style="border-top: 1px dashed #000;"/> <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

	<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>
--	--

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):2016-17</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: 2016 -2017

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.S.Shanthi	50000	Jul-16	1 years
2	Dr.K.Palani	10000	Mar-17	1 years
3	Dr.K.Palani	10000	Dec-16	1 years
4	Dr.S.Shanthi	8000	Oct-16	1 years
5	Mr.G.Ravi	6000	Dec-16	1 years
6	Dr.G.Sharada	10,000	Mar-17	1 Year
7	J. Suneetha	8,000	Apr-17	1 Year
8	Dr.N.S.Gowri Ganesh	7,000	May-17	1 Year
9	Dr. Roopa Chandrika R	7,000	May-17	1 Year
10	Dr. A. Mummoorthy	6,500	Jun-17	1 Year
11	M. Vazralu	5,000	Jun-17	1 Year
12	P. Srinivasa Rao	5,000	Jul-17	1 Year
13	Dr. Deva Prasad	88300	August & 2017	05 Months
14	Dr. P.H.V Sessa Talpa Sai	103000	June & 2017	06 Months

15	D.Asha	10,000	June,2016	1 Year
16	P.Anitha	10,000	June,2016	1 Year
17	M.Ramanjaneyulu	10,000	August,2016	1 Year
18	M.Anantha Guptha	15,000	March,2017	1 Year
19	P.Swetha	10,000	Febraury,2017	1 Year

3.1.3 Q_nM	<p><i>Number of teachers awarded national / international fellowship for advanced studies/research during the year:2016-17</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
---------------------------------------	--

Academic Year: 2016 -2017

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. Srikar	UGC TG	May-17	UGC

3.2.1 Q_nM	<p><i>Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the year (INR in Lakhs):2016-17</i></p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • Name of the Project/ Endowments,Chairs • Name of the Principal Investigator • Department of Principal Investigator • Month and Year of Award • Funds provided • Duration of the project • Name of the Project/ Endowments,Chairs
---------------------------------------	--

Metric No.	Key Indicator - 3.2 Resource Mobilization for Research						
3.2.1 QnM	<i>Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the year (INR in Lakhs):</i>						
2016-2017							
S.NO	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Month and Year of Award	Funds provided (Government and non-governmental agencies)	Amount	Duration of the project
1.	Design and Development of Brain Computer Interface for visualization and Reconstruction of Images from Brain Data	Dr. Sujatha Dandu	CSE	October & 2016	Vita Technologies Pvt. Ltd.,	5 Lakh	2
2.	A Machine Learning Driven Evolutionary Approach for testing web application Firewalls	Dr. S Shanthi	CSE	July & 2016	Coign Consultants Pvt. Ltd.,	5 Lakh	2
3.	EES Easy Emergency Service	Chinthala Venkata Chaitanya Dr. Sujatha Dandu	CSE	March & 2016	Support for Entrepreneurial and Managerial Development of SMS (MSME) through Incubators	6.16 Lakh	2
4.	Colossiam Web Design	Dr. Sujatha Dandu	CSE	December & 2016	Saky Technologies Pvt Ltd	5 Lakh	2
5.	Segway - Self Blancing Robot	Dr Venkata Swamy Naidu	Aeronautical Engineering	March & 2016	Micro, Small & Medium Enterprises (Govt. of India)	6.16 Lakh	3 Years
6.	Heat Transfer	Prof V RAVI	Aeronautical	March &	Micro,	6.16	2 Years

	Enhancement Through Nano Fluids		Engineering	2016	Small & Medium Enterprises (Govt. of India)	Lakh	
7.	Crime Data Analysis Using Hadoop Echo System	Dr.G.Sharada	IT	2016-17	non-governmental	2.5 Lakh	1 Year
8.	Google N-Grams	Dr.N.S.Gowri Ganesh	IT	2016-17	non-governmental	1.5 Lakh	1 Year
9.	Mobile Signal Jammer	Mr. M. Sreedhar Reddy	ECE	May,2017	Non-governmental agencies	35,000	1 Year

3.2.2 QnM	<i>Number of teachers having research projects during the year:2016-17</i>			
2016-17				
S.No	Name of the Principal Investigator	Department of Principal Investigator	Academic Year	Number of Research Projects
1	Dr. Sujatha Dandu	CSE	2016-2017	3
2	Dr. S. Shanthi	CSE	2016-2017	1
3	Dr Venkata Swamy Naidu	AE	2016-2017	1
4	Prof V Ravi	AE	2016-2017	1
5	Dr.G.Sharada	IT	2016-2017	1
6	Dr.N.S.Gowri Ganesh	IT	2016-2017	1
7	M. Sreedhar Reddy	ECE	2016-2017	1

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

Academic Year:2016 -2017

S.No	Name of the Faculty	Registered University as Guide	Department
1	Dr. VSK Reddy	JNTUH	ECE
2	Dr. VSK Reddy	LINCON University , Malaysia	ECE
3	Dr. VSK Reddy	VIGNAN University,Guntur	ECE
4	Dr. VSK Reddy	Sunrise University , Alwar,Rajasthan	ECE
5	Dr. VSK Reddy	Rayalaseema ,University,Kurnool	ECE
6	Dr. S. Srinivasa Rao	JNTUH	ECE
7	Dr. S. Srinivasa Rao	KLU	ECE
8	Dr. S. Srinivasa Rao	GITAM University	ECE
9	Dr. S. Srinivasa Rao	Sri Satya Sai University of Technology and Medical Science	ECE
10	Dr. M. MuraliKrishna	JNTU University Anantapur	ME
11	Dr. M. MuraliKrishna	SV University	ME

3.2.4	<i>Number of departments having Research projects funded by government and non-government agencies during the year:</i>
QnM	

2016 – 2017

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	2 years	Design and Development of Brain Computer Interface for visualization and Reconstruction of Images from Brain Data	5.0	Vita Technologies Pvt. Ltd.,	October & 2016	CSE
2	Dr. S Shanthi	2 years	A Machine Learning Driven Evolutionary Approach for testing web application Firewalls	5.0	Coign Consultants Pvt. Ltd.,	July & 2016	CSE
3	Chinthala Venkata Chaitanya	2 years	EES Easy Emergency Service	6.16	Support for Entrepreneurial and	March & 2016	CSE

	Dr. Sujatha Dandu				Managerial Development of SMS (MSME) through Incubators		
4	Dr. Sujatha Dandu	2 years	Colossiam Web Design	5.0	Saky Technologies Pvt Ltd	December & 2016	CSE
5	Dr.G.Sharada	1Year	Walmart Sales forecasting: modelling weekly sales	4 Lakhs	S K Tech Sole Engineers Solutions Pvt. Ltd.	2016-2017	IT
6	Dr.N.S.Gowri Ganesh	1Year	Medicare Hospital Quality	5.6 Lakhs	Web Coznize Soft Tech Pvt. Ltd.,	2016-2017	IT
7	Dr.S.Srinivasa Rao	1 Year	Improvise explosive device disposal Robot	616000	MSME	August,2016	ECE

3.3.1	<p>3.3.1 Institution has created an eco-system for innovations including Incubation Centre and other initiatives for creation and transfer of knowledge</p> <p>MRCET has created an ecosystem for Research and Innovation by</p> <ul style="list-style-type: none"> (i) recruiting and developing desirable human resource, (ii) taking initiative for creation and dissemination of knowledge and (iii) establishing state of the art infrastructure: <p>Human Resource Development</p> <p>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.</p> <p>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.</p> <p>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</p>
-------	---

students have registered for M Tech and Ph D programs and the numbers are increasing every year. Research Fair is organized in the campus where all research scholars across the institute demonstrate their research work.

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

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

Excellent research infrastructure

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

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

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

Visits by Internationally known experts

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

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

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

Entrepreneurship and Virtual Incubation Centre

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

RESEARCH OBJECTIVES:

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

Industry-Institute Partnership Cell

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

EDC /IIPC- Objectives

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

	<p>institute it works for following objectives.</p> <ul style="list-style-type: none"> • 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. <p>Some other initiatives include:</p> <ol style="list-style-type: none"> 1. Entrepreneurship meets. 2. Visits to industries. 3. Organization of Technofest (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
--	--

<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
---	--

Workshop / Seminar - Conducted for the Academic Year 2016-17

S.NO	Year	Name of the workshop/ seminar	Date From – To	Link to the Activity report on the website	No of Participants
1	2016	Two days workshop on Hadoop	22 nd to 23 rd July 2016	https://mrcet.com/CSE_Events.html	200
2	2016	Two days Faculty Development Programme on “Cloud Computing”	6 th to 7 th August 2016	https://mrcet.com/CSE_Events.html	80
3	2016	Two Days Workshop On “Android App Development”	14 th to 15 th October 2016	https://mrcet.com/CSE_Events.html	160
4	2017	Three days Faculty Development Programme on “Best Practices in Teaching”	27 th to 29 th April 2017	https://mrcet.com/CSE_Events.html	60

5	2017	Three days workshop on “Predictive Analytics”	10 th to 12 th April 2017	https://mrcet.com/CSE_Events.html	80
6	2016	Managerial Skill Development Program- Business Building and Communication Skills.	17-11-2016	www.mrcet.ac.in	200
7	2016	Application Development program	20th to 22nd June 2016	www.mrcet.ac.in	60
8	2016	Twodays Workshop on hadoop	22nd-23rd July, 2016	www.mrcet.ac.in	45
9	2016	ARPets and Augmented Reality	2nd Aug 2016	www.mrcet.ac.in	60
10	2016	Androi app development	14th – 15th October, 2016	www.mrcet.ac.in	50
11	2016	TCS codevita	23rd Oct 2016	www.mrcet.ac.in	50
12	2016	Alternate career paths in Computers	3rd Dec 2016	www.mrcet.ac.in	60
13	2017	C Language and Python	3rd to 4th Feb 2017	www.mrcet.ac.in	60
14	2017	Three day Faculty Development programme On CATIA	18-20 MAR, 2017	https://mrcet.com/ME_gallery.html	94
15	2016	Two Days Faculty Development Program on Application Oriented Teaching Methodologies	30 NOV– 1 DEC, 2016	https://mrcet.com/ME_gallery.html	54
16	2016	Two days Training Program on MSME Sanctioned Projects	21-22, SEP, 2016	https://mrcet.com/ME_gallery.html	45

<p>3.4.1</p> <p>Q_nM</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>
--	--

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

3.4.2	<i>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:</i>
QnM	<p>File Description(Upload)</p> <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 registration etc

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
					K. Swaraja	2009	Awarded	Low Cost Video Watermarking
					K.Ravichandra	2009	Awarded	GPS Communications
					s. Shafee Vunnisa Sayyad	2009	Awarded	Adaptive Video Coding and Routing for

								Video Transmission over Wireless Networks
					K. Vanisree	2010	Pursuing	Routing Protocols for Multimedia Communications
					S. Dinesh	2015	Pursuing	Wireless Sensor 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
					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
					Jaganadh Jadav	2016	2020	Automatic Semantic Segmentation Of Remote Sensing Data For Agriculture

3.4.3	<i>Number of research papers per teacher in the Journals notified on UGC website during the year:</i>
Q_nM	Data Requirement: <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

Faculty Publications A.Y.2016-17

Faculty Publications A.Y.2019-20						
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	A Novel Joint Data-Hiding and Compression Scheme Based on SMVQ and Image in painting	Srikanth.B, GS Naveen Kumar, VSK Reddy	ECE	International Journal Of Recent Advances In Engineering & Technology	2016	ISSN: 2347-2812
2	Significance of Sampling Rate Converters in WSNS	P. Swetha, S. Srinivasa Rao	ECE	International Journal of Research in Signal Processing, Computing & Communication System Design	2017	ISSN: 2395-3187
3	Overview of Energy Detection Methods for Performance Improvement in Cognitive Radio	P. Venkatapathi, S. Srinivasa Rao, M. Siva Ganga Prasad	ECE	International Journal of Research in Signal Processing, Computing & Communication System Design	2016	ISSN: 2395-3187
4	Robust Bit Modification Based Audio Watermarking	B.Srujana, S.Srinivasa Rao, M.Sivakumar	ECE	International Journal of Engineering Research & Technology	Sep-16	ISSN: 0974-3154
5	Brain Tumor Detection Using Cellular Automata Technique	M. Sucharitha, D.V. Monica Lincy	ECE	International Journal of Applied Engineering Research	2016	ISSN 0973-4562
6	Energy Estimation Techniques for Image	S Sasikanth, S Suresh Kumar	ECE	International Journal of Printing,	Dec-16	ISSN 2320-4387

	Segmentation by Using Maximization Accuracy Approach			Packaging & Allied Science		
7	A Novel Joint Data-Hiding and Compression Scheme Based on SMVQ and Image in painting	Srikanth.B, GS Naveen Kumar, VSK Reddy	ECE	International Journal Of Recent Advances In Engineering & Technology	2016	ISSN: 2347-2812
8	A Review of on growth and structural properties of ZnO Nano Structures.	Dr KMR Achary	H&S	International Journal of Advance Research in Science and engineering	January, 2017	2319-8354
9	Aerodynamic Internal Pressure Loads Applied on Nonstructural Elements under Wind Gusts	Sreenadh chevula	Aeronautical Engineering	International journal of scientific and engineering research ,7(6), pp,698-708	June 2016	ISSN 2229 – 5518
10	Improved zigzag theories for laminated composite and sandwich plates with interlaminar shear stress continuity	S. Suganyadevi	Aeronautical Engineering	Aerospace Science and Technology	May 2016	ISSN 1270 - 9638
11	Flexural analysis of laminated plates based on trigonometric layer wise shear deformation theory	S. Suganyadevi	Aeronautical Engineering	Mechanics of Advanced Materials and Structures	December 2016	ISSN 1537-6494
12	Dynamic Analysis of Laminated Composite and Sandwich Plates Using Trigonometric Layer-wise Higher Order Shear Deformation Theory	S. Suganyadevi	Aeronautical Engineering	International Journal of Aerospace System Engineering.	June 2016	ISSN 2383 - 4986
13	Polymer Matrix Composite Material For Aerospace Applications	M. Yugender & MNVS Swetha Bala	Aeronautical Engineering	International Journal of Emerging Research in Management and	July 2016	ISSN 2278-9359

				Technology		
14	Large eddy simulation of supersonic intakes using fifth order free-stream preserving WENO scheme	G Srinivasan, Kalyan Prasad Sinhamahapatra	Aeronautical Engg	AIAA	June 2017	10.2514/6.2017-3614
15	Data Management with De-Duplication System in Cloud Computing	Dr.D.Sujatha	CSE	International Journal & Magazine of Engineering, Technology, Management and Research	Jul-17	ISSN No 2348-4845.2017
16	Development Of An Emotion-Oriented Computing System For Text Analytics	Dr.G.Sharadha	CSE	International Journal Of Engineering Trends And Technology	Apr -2017	
17	A dexterous feature selection Artificial Immune System algorithm for keystroke dynamics	Dr. V. Chandrasekhar	CSE	Stochastic Analysis and Applications	2017	ISSN 0736-2994
18	Authentication based on keystroke dynamics using stochastic diffusion algorithm	Dr. V. Chandrasekhar	CSE	Stochastic Analysis and Applications	2017	ISSN 0973-2994
19	Privacy Access Control for Healthcare Emerge Monitor Framework Using Mobile Applications	Dr. V. Chandrasekhar	CSE	International Journal of Emerging Technology in Computer Science & Electronics	2017	ISSN 0976-1353.
20	Biometric Based Keystroke Dynamics Authentication	Dr. V. Chandrasekhar	CSE	Asian Journal of Research in social Sciences and humanities	2017	ISSN 2249-7315.
21	Rank-Based Weighted Rule Mining Using Post Mining Methods with Ontology Support	Dr. V. Chandrasekhar	CSE	International Journal of Applied Engineering Research	2017	ISSN 0973-4562

22	Improving the Security Issues in Wireless Sensor using Heterogeneous Algorithm	Dr. V. Chandrasekhar	CSE	International Journal of Innovative Research & Studies	2017	ISSN 2319 – 9725
23	Cloud Computing Defense Threats and Responses against DDOS Attack	Dr.S.Nagendra prabhu	CSE	International Journal of Science, Engineering and Technology Research	Apr-16	
24	A Comparative study of clustering techniques for big data sets using Apache Mahout	Dr.E.V.Reddy	CSE	Smart City and Big Data	16-Apr	
25	A Survey on Accessing, Retrieval Mechanisms and Challenges in Biomedical Literature	Dr.Thyabaa khatoon	CSE	International Journal of Computer Science and Information Technologies	Jul-16	
26	Semantic Ontology Based Querying On BiomedicalConcept	Dr.Thyabaa khatoon	CSE	International Journal of Engineering Research in Computer Science and Engineering	Aug-16	
27	A Taxonomy of Media Networks in Named Data Networking	Dr.Thyabaa khatoon	CSE	International Journal of computer science and Electronics Engineering	2017	
28	Group Formation withNeighbour Similarity Trust In P2P E-Commerce	Dr.Thyabaa khatoon	CSE	International Journal of computer science and Electronics Engineering	2017	
29	Group Data Sharing via Cloud Storage using Key Aggregate Encryption Technique	P Bikshapathy	CSE	IJMETMR	Jul-17	

30	EQUIPMENT TEST LIFE CYCLE MANAGEMENT SYSTEM	P Bikshapathy	CSE	International Journal of Research in Advent Technology	Jan-17	E-ISSN: 2321-9637
31	Text Mining using Relevance Feature	Dr.Dabbu Murali	CSE	Int.Journal of Engineering & Technical Research	Mar-16	
32	Energy-Efficient Load Balancing in Cloud: A Survey on Green Cloud	W. Nirmala	CSE	International Journal of Engineering Trends and Technology	Apr-17	ISSN: 2231-5381
33	A Novel Mechanism For Duplicate Check In Hybrid Cloud Architecture Publication	Ch. Naveen Kumar Reddy	CSE	International Journal For chnological Research In Engineering	2017	
34	File keyword based search over encrypted data	Abdul Saleem L	CSE	International Journal of Advance Engineering and Research Development	Apr-17	
35	The confluence of Big Data and Artificial Intelligence of Content Analytics	K. M. Rayudu	CSE	International Journal of Engineering Research in Computer Science and Engineering	Oct-16	.October-2016, Vol 3, Issue 10
36	A Survey on Intra Domain Protocols and Metrics for Choosing a Best Path in Wireless Network	Ravi Kiran K	CSE	International Journal of Science Technology & Engineering	Jun-16	

**3.4.4 Number of books and chapters in edited volumes / books published per teacher during last four year
A.Y 2016-2017**

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Month and Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Dr.S.Shanthi	International Conference on Next Generation Computing Technologies	Comprehensive Analysis of Security Attacks and Intrusion Detection System in Wireless Sensor Networks	Comprehensive Analysis of Security Attacks and Intrusion Detection System in Wireless Sensor Networks	IEEE International Conference on Next Generation Computing Technologies	International	Jul-16	978-1-5090-3257-0	MRCET	IEEE
2	G. Ravi	ICCSP CIT	Investigating The Secret Code Primitive In Secure Searchable Open Database	Investigating The Secret Code Primitive In Secure Searchable Open Database	International Conference on Communications, Signal Processing, Computing and Information Technologies	International	Jul-16	ISBN:978 93 83038 45 9	MRCET	IJSER Series
3	G. Ravi	ICCSP CIT	A comprehensive in-depth defensive scheme to solve key-revelation conflict	A comprehensive in-depth defensive scheme to solve key-revelation conflict	International Conference on Communications, Signal Processing, Computing	International	Jul-16	ISBN:978 93 83038 45 9	MRCET	IJSER Series

					ng and Informat ion Technolo gies					
10	Dr.D.Su jatha	Com puter Orga nizati on	Computer Organizat ion	--	--	Intern ationa l	2016	--	MRCET	Tata McGraw Hill
11	P.Biksh apathy	Com puter Orga nizati on	-	--	--	Intern ationa l	2016	---	MRCET	Tata McGraw Hill
16	Dr.D.Su jatha	Data Struc tures using C++	--	--	--		2016	--	MRCET	Tata McGraw Hill
26	Dr.G.Sh aradha	Princi ples of Progr ammi ng Lang uage s	--	--	--		2016	--	MRCET	Tata McGraw Hill
27	M.Jaya pal	Data Struc tures using C++	--	--	--		2016	--	MRCET	Tata McGraw Hill
29	M.Gay atri	Princi ples of Progr ammi ng Lang uage					2016		MRCET	Tata McGraw Hill

		s								
30	Dr.S.Shanthi	International Conference on Next Generation Computing Technologies	Comprehensive Analysis of Security Attacks and Intrusion Detection System in Wireless Sensor Networks	Comprehensive Analysis of Security Attacks and Intrusion Detection System in Wireless Sensor Networks	IEEE International Conference on Next Generation Computing Technologies	International	Jul-16	978-1-5090-3257-0	MRCET	IEEE
31	G. Ravi	ICCSP CIT	Investigating The Secret Code Primitive In Secure Searchable Open Database	Investigating The Secret Code Primitive In Secure Searchable Open Database	International Conference on Communications, Signal Processing, Computing and Information Technologies	International	Jul-16	ISBN:978 93 83038 45 9	MRCET	IJSER Series
32	G. Ravi	ICCSP CIT	A comprehensive in-depth defensive scheme to solve key-revelation conflict	A comprehensive in-depth defensive scheme to solve key-revelation conflict	International Conference on Communications, Signal Processing, Computing and Information Technology	International	Jul-16	ISBN:978 93 83038 45 9	MRCET	IJSER Series

					gies					
33	Dr.D.Sujatha	Computer Organization	Computer Organization	--	--	International	2016		MRCET	Tata McGraw Hill
34	P.Bikshapathy	Computer Organization				International	2016		MRCET	Tata McGraw Hill
35	Dr.D.Sujatha	Data Structures using C++					2016		MRCET	Tata McGraw Hill
36	Dr.G.Sharadha	Principles of Programming Languages					2016		MRCET	Tata McGraw Hill
37	M.Jayapal	Data Structures using C++					2016		MRCET	Tata McGraw Hill

3.5.1 Q_nM	<p>Revenue generated from consultancy and corporate training during the year (INR in Lakhs):</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
---------------------------------------	--

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

Academic Year:2016 -2017

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	Vehicle Number Plate Identification For Road Safety Application	Web Cognize, Hyderabad	1.90Lakhs	36,09,620/-
2.	M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad	Control Cloud Data Access Privilege and Anonymity with Fully Anonymous Attribute – Based Encryption	M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad	2.25 Lakhs	
3.	Dheeraj kumarGara	Characterization of shape memory alloys (Ni-Ti based)	Vsky Aerospace Technologies	750000	
4.	Prof AK Rai	CFD ANALYSIS of 3KG PRACTICE BOMB	MECH ENGG	575620	
5.	United Infotech	Crime Data Analysis Using Hadoop Echo System	United Infotech, Salem	2.5 Lakhs	
6.	Aran Technologies	Google N-Grams	Aran Technologies, Salem	1.5 Lakhs	
7.	P. Srihari	A Mechanical Voice System: Construction of Vocal Cords and its Pitch Control	3Dfy – 3D Printing Services	1.2 Lakhs	
8.	s. Sri Harsha	Svasa – Breathable Air	AZTEC Process Automation	1.06 Lakhs	
9.	Dr.B.Jyothi	Medical Image Processing	Narayana Hrudayalaya Hospitals,Hyderabad	5.65 Lakhs	
10	Dr.S.Srinivasa Rao	Robotics	RobotSpace Automation Pvt Ltd,Hyderabad	6.78 Lakhs	

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

Q_nM

Data Requirement:

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

Facility	Amount involved	Name of the Trainer-Consultants	Name of the facility and department	Name of Training	Consulting / Sponsoring agency with Contact details	Amount spent (INR)	Name of the Trainer-Consultants	Name of the facility and department	Name of Training	Consulting/Sponsoring agency with Contact details	Amount spent (INR)	Expenditure For Teachers	Expenditure For Staffs	Total Expenditure
Android App Development Lab	40,000	Mr.Akhil	Application Development	Training on Android App Development	GSPANN	30000	Mr.Praveen Kumar	Application Development	Training on Android App Development"	GSPANN	15000	30000	15000	45000
Centre of Excellence in Robotics	500,000	D.Venu Gopal	EDC LAB ,Dept.ECE	Training on Semiconductor Devices and its Applications	Solar Semiconductor or Private Limited	35,000	R.Chinna Rao	EDC LAB , Dept. ECE	Training on Semiconductor Devices and its Applications	Solar Semiconductor Private Limited	20,000	15,000	10,000	25,000
Centre of Excellence in Robotics	500,000	Dr. BEZAWADA BRUHADESWAR	Information Technology	Training on software testing lab	VN Career Solutions	35,000	Dr. BEZAWADA BRUHADESWAR	Information Technology	Training on software testing lab	Mrcet / United Infotech	20,000	15,000	10,000	25,000
Centre of Sustainable manufacturing and recycling technologies	205,500	Dr. Srikar	Mechanical Engineering	Installation and research on manufacturing technologies	MRCET & Mahindra & Mahindra	150,000	Dr. Srikar	Mechanical Engineering	Installation and research on manufacturing technologies	MRCE T & Mahindra & Mahindra	45,000	150,000	5,000	205,500

<p>3.6.1</p> <p>Q_nM</p>	<p><i>Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact there of during the year 2016-17</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 is organized every year and many faculty and students come forward to donate blood.
- The various activities and multiple issues of social, political and economic significance are discussed and dealt with in order to create sensitivity and understanding among students and contribute to balanced development of their personality, so that committed and ethically informed citizenship is created.

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 Bahadurpally, Dhulapally, Gundla Pochampally . Planted thousands of samplings to make green & clean culture.
- .The NSS unit functions under the guidance of a Faculty programme officer. The NSS wing of college focuses on providing access and opportunities to underprivileged in health and education.

<p>3.6.2</p> <p>Q_nM</p>	<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	2016-17	Academic Leadership	Dr. D Sujatha	Academic Leadership		2016

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/ recognized bodies	Year of the Award
CSE	2016-17	System Craft	J SaiBhavani	Winner	VJIT	2016
CSE	2016-17	C & Solve	V Arvind Kumar	2nd Prize	MRITS	2016
CSE	2016-17	Paper presentation	K Sunitha	2nd Prize	VJIT	2016
CSE	2016-17	C-Skills	M Sharmila	Winner	MRECW	2016
CSE	2016-17	Code Debugging	BhDurgaAdith yaVarma	2nd Prize	MVSR	2016
CSE	2016-17	Techchnical Quiz	B Mounika	Winner	MRECW	2016
CSE	2016-17	Debate	C R Preethi	Winner	MRECW	2016
CSE	2016-17	General Quiz	K Devika	2nd Prize	MREC	2016
CSE	2016-17	E-Paper Technology	T Pallavika	2nd Prize	VJIT	2016
CSE	2016-17	C-Puzzle	K SreeSwapna	Winner	MRCE	2016
CSE	2016-17	Spy-C	B Priyanka	2nd Prize	VJIT	2016
CSE	2016-17	Code Buzz	ChChaitanya	Winner	VJIT	2016

CSE	2016-17	Java Genius	B Naveen Reddy	Winner	St Martins Engg college	2016
CSE	2016-17	General Quiz	K Yasaswini	Winner	MRCE	2016
CSE	2016-17	Spy-C	K Aditya	Winner	VR Siddartha	2016
CSE	2016-17	Debugging	B VenuGopal	Winner	St Martins Engg college	2016
CSE	2016-17	Poster Presentation	A Ravali	Winner	MLRIT	2016
CSE	2016-17	Debate	G Navya	Winner	Anurag	2016
CSE	2016-17	Code Debugging	P Divya	Winner	MLRIT	2016
CSE	2016-17	Paper Presentation	A Vamsi Krishna	Winner	St Martins Engg college	2016
CSE	2016-17	CHESS	N. NAVYA	CAPTAIN OF UNIVERSITY TEAM	VEL TECH, CHENNAI.	2016
CSE	2016-17	HAND BALL	SRIKANTH	Participation	PERIYAR UNIVERSITY SHELAM, CHENNAI.	2016
CSE	2016-17	BOXING	N. SHIVA BRAMARI	Participation	L P U JALANDHAR	2016
CSE	2016-17	FENCING	MALLESH	Participation	GURUNANAK DEV UNIVERSITY PUNJAB	2016
CSE	2016-17	FENCING	UMESH RAJ	Participation	GURUNANAK DEV UNIVERSITY PUNJAB	2016
CSE	2016-17	FENCING	ACHYUTHA RAGHAVA	Participation	GURUNANAK DEV UNIVERSITY PUNJAB	2016
CSE	2016-17	TAEKWONDO	AMRESH	Participation	M D U ROTHAK	2016
CSE	2016-17	TABLE TENNIS (SINGLES WOMENS)	WINNERS (MEGHANA PREETHI)	WINNERS	MRECW	2016
CSE	2016-17	TABLE TENNIS (DOUBLES WOMENS)	WINNERS (MEGHANA PREETHI)	WINNERS	MREC	2016
CSE	2016-17	TABLE TENNIS (DOUBLES WOMENS)	RUNNERS (KSHAMA SHARMA & MEGHANA)	RUNNERS	MRECW	2016

CSE	2016-17	TABLE TENNIS (DOUBLES MEN)	RUNNERS (PAVAN TEJA & RAVI)	RUNNERS	HITAM COLLEGE	2016
CSE	2016-17	CHESS (MEN)	RUNNERS (SHIVA TEJA)	RUNNERS	HITAM COLLEGE	2016
CSE	2016-17	CHESS (WOMEN)	RUNNERS (NAVYA)	RUNNERS	VNRVJIET COLLEGE	2016
IT	2016-17	Convergence 2k17	S SANJAY KUMAR	Winner	VJIT	2016
IT	2016-17	FURCATEZ 17	R ASWITHA REDDY	Winner	MRITS	2016
IT	2016-17	Convergence 2k17	V PRADEEP	Winner	VJIT	2016
IT	2016-17	Future Sastra 2017	P SRIKANTH	Winner	MRECW	2016
IT	2016-17	Samavarthan 2017	C S N D MONICA	Winner	MVSR	2016
IT	2016-17	Technical Competitions	P SANJANA	Winner	MRECW	2016
IT	2016-17	Future Sastra 2017	P MOUNIKA	Winner	MRECW	2016
IT	2016-17	Akshara 2017	S MADHAV REDDY	Winner	MREC	2016
IT	2016-17	Convergence 2017	M SHIVA KUMAR	Winner	VJIT	2016
IT	2016-17	Anuttara	K PRAGNA	Winner	MRCE	2016
IT	2016-17	Convergence 2017	D SHYLAJA	Winner	VJIT	2016
IT	2016-17	Convergence 2017	CH SRIKANTH	Winner	VJIT	2016
IT	2016-17	Technosmec 2017	C SAI KIRAN	Winner	St Martins Engg college	2016
IT	2016-17	Medha 2017	ARTI PRASAD	Winner	MRCE	2016
IT	2016-17	AFOSEC 2017	A MAHESH	Winner	VR Siddartha	2016
IT	2016-17	Technosmec 2017	N MURALI KRISHNA	Winner	St Martins Engg college	2016

IT	2016-17	Zavtra 2017	K AKHILA	Winner	MLRIT	2016
IT	2016-17	Texzellenz 2017	G.VARUN	Winner	Anurag	2016
IT	2016-17	Zavtra 2017	C SAINATH	Winner	MLRIT	2016
IT	2016-17	Technosmec 2017	ABHISHEK SHARMA	Winner	St Martins Engg college	2016
IT	2016-17	Paper Presentation	MYADAM MRUDHULA	Participation	VNRVJIET	2016
IT	2016-17	Paper Presentation	BANAVATH VIJAY NAYAK	Participation	VNRVJIET	2016
IT	2016-17	Paper Presentation	REGONDA CHANDRA SHEKAR	Participation	VNRVJIET	2016
IT	2016-17	Paper Presentation	BOGGARAPU SAIPRASAD	Participation	VNRVJIET	2016
IT	2016-17	Paper Presentation	KORLA SRIHITHA	1 st Prize	VNRVJIET	2016
IT	2016-17	E-Quiz	VEMURI SREEROOPA	1 st Prize	MREC	2016
IT	2016-17	E-Quiz	GUBBA SWETHA	Participation	MREC	2016
IT	2016-17	E-Quiz	K MANISHA	Participation	MREC	2016
ECE	2016-17	Paper Presentation	M V S Lalitha Sravya	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	N Bhavani	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	N Saranya	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	C.M.Rajesh	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	M.Suma	1st Prize	VNRVJIET	2016
ECE	2016-17	Paper Presentation	K Abhinav	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	C.M.Rajesh	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	D Lasya	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	M Pradeep	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	T Srivani	Participation	VNRVJIET	2016

ECE	2016-17	Paper Presentation	D.Vani Kalpana	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	V.N.S.Bharath	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	C.H.Rajesh	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	M.Anusha Reddy	Participation	VNRVJIET	2016
ECE	2016-17	Paper Presentation	M.Monoj Kumar	Participation	VNRVJIET	2016
ECE	2016-17	E-Quiz	D.Lasya	1st Prize	MREC	2016
ECE	2016-17	E-Quiz	G.Tejaswi	Participation	MREC	2016
ECE	2016-17	E-Quiz	E.Varun Patel	Participation	MREC	2016
ECE	2016-17	E-Quiz	D Gauthami Roja	Participation	MREC	2016
ECE	2016-17	E-Quiz	V Revanth	Participation	MREC	2016
ECE	2016-17	E-Quiz	T Suvarchala Naidu	Participation	MREC	2016
ECE	2016-17	E-Quiz	R Swapna	Participation	MREC	2016
ECE	2016-17	E-Quiz	P Mounika	Participation	MREC	2016
ECE	2016-17	E-Quiz	M Nagarjuna	Participation	MREC	2016
ECE	2016-17	E-Quiz	C.M.Rajesh	Participation	MREC	2016
ECE	2016-17	E-Quiz	M.Suma	Participation	MREC	2016
ECE	2016-17	E-Quiz	K Abhinav	Participation	MREC	2016
ECE	2016-17	Techno Hunt	D.Vani Kalpana	2nd Prize	VNRVJIET	2016
ECE	2016-17	Techno Hunt	K.Fareed Baba	Participation	VNRVJIET	2016
ECE	2016-17	Techno Hunt	T.Mounisha	Participation	VNRVJIET	2016
ECE	2016-17	Techno Hunt	T.Mounisha	Participation	VNRVJIET	2016
ECE	2016-17	Techno Hunt	V.N.S.Bharath	Participation	VNRVJIET	2016

ECE	2016-17	Techno Hunt	C.H.Rajesh	Participation	VNRVJIET	2016
ECE	2016-17	Techno Hunt	M.Anusha Reddy	Participation	VNRVJIET	2016
ECE	2016-17	Techno Hunt	N.Naga sai	Participation	VNRVJIET	2016
ECE	2016-17	Robotics Workshop	M Narendra Reddy	Participation	GRIET	2016
ECE	2016-17	Robotics Workshop	P Raghu	Participation	GRIET	2016
ECE	2016-17	Robotics Workshop	M Narendra Reddy	Participation	GRIET	2016
ECE	2016-17	Robotics Workshop	R.Tejaswini	Participation	GRIET	2016
ECE	2016-17	Robotics Workshop	E.Varun Patel	Participation	GRIET	2016
ECE	2016-17	Robotics Workshop	K.Durga Prasad	Participation	GRIET	2016
ECE	2016-17	Robotics Workshop	D.Lasya	Participation	GRIET	2016
ECE	2016-17	Robotics Workshop	G.Tejaswi	Participation	GRIET	2016
ECE	2016-17	Robotics Workshop	D.N.Kushal	Participation	GRIET	2016
ECE	2016-17	Robotics Workshop	Sai Krishna	Participation	GRIET	2016
ECE	2016-17	Paper Publication	D.Vani Kalpana	Participation	IJSRD	2016
ECE	2016-17	Paper Publication	Shubam Chandra	1st Prize	IJSRD	2016
ECE	2016-17	Paper Publication	P.Sai Ravi Kumar	Participation	IJSRD	2016
ECE	2016-17	Paper Publication	P.Surya	Participation	IJSRD	2016
ECE	2016-17	Paper Publication	S.Gowthami RoJa	Participation	IJSRD	2016
ECE	2016-17	Paper Publication	T.Mounisha	Participation	IJSRD	2016
ECE	2016-17	Electric Puzz	Y.N.Harika	Participation	NREC	2016
ECE	2016-17	Electric Puzz	V.N.S.Bharath	Participation	NREC	2016
ECE	2016-17	Electric Puzz	C.H.Rajesh	Participation	NREC	2016

ECE	2016-17	Electric Puzz	M.Anusha Reddy	Participation	NREC	2016
ECE	2016-17	Electric Puzz	D.N.Kushal	Participation	NREC	2016
ECE	2016-17	Electric Puzz	M.Monoj Kumar	2nd Prize	NREC	2016
ECE	2016-17	Electric Puzz	K.Fareed Baba	Participation	NREC	2016
ECE	2016-17	Electric Puzz	T.Mounisha	Participation	NREC	2016
ECE	2016-17	Electric Puzz	T.Mounisha	Participation	NREC	2016
ECE	2016-17	Electric Puzz	P.Ravi kumar	Participation	NREC	2016
ECE	2016-17	Project Expo	VAISHNAVI	Participation	MRECW	2016
ECE	2016-17	Project Expo	P S RAVI TEJA	Participation	MRECW	2016
ECE	2016-17	Project Expo	MARRI HARINI	Participation	MRECW	2016
ECE	2016-17	Project Expo	OMKAR KULKARNI	Participation	MRECW	2016
ECE	2016-17	Project Expo	JAYANTH REDDY	Participation	MRECW	2016
ECE	2016-17	Poster Presentation	D.N.Kushal	Participation	MRECW	2016
ECE	2016-17	Poster Presentation	K.Bhargavi	Participation	MRECW	2016
ECE	2016-17	Poster Presentation	K.Laxmi Prasanna	Participation	MRECW	2016
ECE	2016-17	Poster Presentation	Jeeshitha	Participation	MRECW	2016
ECE	2016-17	Poster Presentation	M.Aditya Reddy	Participation	MRECW	2016
ECE	2016-17	Poster Presentation	K.Durga Prasad	Participation	MRECW	2016
ECE	2016-17	Poster Presentation	M.Aditya Reddy	2nd Prize	MRECW	2016
ECE	2016-17	Poster Presentation	K Girija	Participation	MRECW	2016
ECE	2016-17	Poster Presentation	K Ashok Kumar	Participation	MRECW	2016
ECE	2016-17	Poster Presentation	D Gauthami Roja	Participation	MRECW	2016

MECH	2016-17	ANSP	TIYYALA NAVYA	Participation	ANSP	2016
MECH	2016-17	National Institute of Technology-Rourkela	AMAR KUMAR MYADAM	Participation	National Institute of Technology-Rourkela	2016
MECH	2016-17	National Institute of Technology-Rourkela	SATYA SAI KARRI	Participation	National Institute of Technology-Rourkela	2016
MECH	2016-17	National Institute of Technology-Rourkela	KAMLESH SOLANKI	Participation	National Institute of Technology-Rourkela	2016
MECH	2016-17	National Institute of Technology-Rourkela	SUMANTH KADIYALA	Participation	National Institute of Technology-Rourkela	2016
MECH	2016-17	National Institute of Technology-Rourkela	KASALA SAI NARAYAN REDDY	Participation	National Institute of Technology-Rourkela	2016
MECH	2016-17	National Institute of Technology-Rourkela	GOLLAPALLY MANOJ	Participation	National Institute of Technology-Rourkela	2016
MECH	2016-17	National Institute of Technology-Rourkela	AMGOTH VENU	Participation	National Institute of Technology-Rourkela	2016
MECH	2016-17	BHEL-Hyd	K SREYA	Participation	BHEL-Hyd	2016
MECH	2016-17	BHEL-Hyd	M SRAVANTHI	Participation	BHEL-Hyd	2016
MECH	2016-17	BHEL-Hyd	G VARSHA	Participation	BHEL-Hyd	2016
MECH	2016-17	BHEL-Hyd	M SRIPRIYA	Participation	BHEL-Hyd	2016
MECH	2016-17	BHEL-Hyd	G SWATHI	Participation	BHEL-Hyd	2016
MECH	2016-17	BHEL-Hyd	YASH RAJ VERMA	Participation	BHEL-Hyd	2016
MECH	2016-17	BHEL-Hyd	MOTHUKULA KIRAN KUMAR	Participation	BHEL-Hyd	2016
MECH	2016-17	BHEL-Hyd	MOOTA SANDEEP	Participation	BHEL-Hyd	2016
ANE	2016-17	Paper Presentation	APPIKONDA GOWRI MANOHAR	Participation	MRECW	2016

ANE	2016-17	Paper Presentation	BATCHU SAI CHANDU	Participation	MRECW	2016
ANE	2016-17	Paper Presentation	CHITTAJALLU SAM RICHARDS	Participation	MRECW	2016
ANE	2016-17	Paper Presentation	ESHWARI KANAGALA	Participation	MRECW	2016
ANE	2016-17	Paper Presentation	GANGULA ROCHANA	Participation	VCE	2016
ANE	2016-17	Paper Presentation	KADALI NAVEEN KUMAR	Participation	VCE	2016
ANE	2016-17	Paper Presentation	KODIPARTHY RAM REDDY	Participation	VCE	2016
ANE	2016-17	Paper Presentation	KOMMI AMARA KOTESWARA RAO	Participation	VCE	2016
ANE	2016-17	Poster Presentation	KOTHAPALLI SRI MEGHA	Participation	MLRIT	2016
ANE	2016-17	Poster Presentation	MD TAHER AHMED	Participation	MLRIT	2016
ANE	2016-17	Poster Presentation	MUDUNURI CHAITANYA SURYA VARMA	Participation	MLRIT	2016
ANE	2016-17	Poster Presentation	MUTHYALA AKHIL	Participation	MLRIT	2016
ANE	2016-17	Poster Presentation	NANDIPATI BALA MURALI KRISHNA	Participation	MLRIT	2016
ANE	2016-17	Poster Presentation	NAZNEEN	Participation	MLRIT	2016
ANE	2016-17	Poster Presentation	NUNAVATH SUDHAKAR NAYAK	Participation	MLRIT	2016
ANE	2016-17	Poster Presentation	RAHUL KODAG	Participation	MLRIT	2016
ANE	2016-17	Poster Presentation	S D SRI TEJA	Participation	MLRIT	2016
ANE	2016-17	Poster Presentation	SARDARNI HARJOTH KAUR	Participation	MLRIT	2016
ANE	2016-17	GROUP DISCUSSION	SATYANARAYANA GOUD	Participation	IARE	2016
ANE	2016-17	GROUP DISCUSSION	SHESHABHATTER PRAVALLIKA	Participation	IARE	2016
ANE	2016-17	GROUP DISCUSSION	THOTA PREM KUMAR	Participation	IARE	2016
ANE	2016-17	GROUP DISCUSSION	V SAI RAM KRISHNA	Participation	MLRIT	2016
ANE	2016-17	GROUP DISCUSSION	VAMSI KASTHALA	Participation	MLRIT	2016

ANE	2016-17	GROUP DISCUSSION	ACHYUTH REDDY J	Participation	MLRIT	2016
ANE	2016-17	GROUP DISCUSSION	BACHINA DHEERAJ	Participation	MLRIT	2016
ANE	2016-17	TECHNICAL QUIZ	D UMESH RAJ	Participation	IARE	2016
ANE	2016-17	TECHNICAL QUIZ	G ANVESH REDDY	Participation	IARE	2016
ANE	2016-17	TECHNICAL QUIZ	GUJJILLI SOWJANYA	Participation	MRECW	2016
ANE	2016-17	TECHNICAL QUIZ	K AKSHITH REDDY	Participation	MRECW	2016
ANE	2016-17	TECHNICAL QUIZ	KALPAGURI SAI KUMAR	Participation	MRECW	2016
ANE	2016-17	TECHNICAL MOCK INTERVIEW	KOTHAMADDI RAVINDARAREDDY	Participation	MRECW	2016
ANE	2016-17	TECHNICAL MOCK INTERVIEW	M KAVYA SRI	Participation	IARE	2016
ANE	2016-17	TECHNICAL MOCK INTERVIEW	MOHD ADIL	Participation	IARE	2016
ANE	2016-17	TECHNICAL MOCK INTERVIEW	MULAGUNDLA VENU GOPAL REDDY	Participation	IARE	2016
ANE	2016-17	TECHNICAL MOCK INTERVIEW	NADAPANA SRI RAMYA	Participation	CMRIT	2016
ANE	2016-17	TECHNICAL MOCK INTERVIEW	NOMULA ANVESH	Participation	CMRIT	2016
ANE	2016-17	TECHNICAL MOCK INTERVIEW	NUVUSHETTI VINAY KUMAR	Participation	CMRIT	2016
ANE	2016-17	MODELING AND SIMULATION	PUKKALLA CHAITANYA SREE	Participation	IARE	2016
ANE	2016-17	MODELING AND SIMULATION	RODDA VAMSHI	Participation	IARE	2016
ANE	2016-17	MODELING AND SIMULATION	SAKILAM BHARATH	Participation	IARE	2016
ANE	2016-17	MODELING AND SIMULATION	SHAIK INTHIYAZ BASHA	Participation	CMRIT	2016
ANE	2016-17	MODELING AND	T GOKUL SHIVA ROHAN	Participation	CMRIT	2016

		SIMULATION				
ANE	2016-17	Material identification	VADDEPALLY DEEPIKA	Participation	MLRIT	2016
ANE	2016-17	Material identification	ABBARAJU HEMANTH KUMAR	Participation	MLRIT	2016
ANE	2016-17	Material identification	BANOTH VINAY KUMAR	Participation	MLRIT	2016

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)

Academic Year: 2016 -2017

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	Medical Camp	NSS-MRCET	2016-2017	12	94
2	Blood Donation Camp	NSS-MRCET	2016-2017	8	75
3	Plantation Awareness Programme	NSS-MRCET	2016-2017	15	236
4	Swachh Bharat Summer Camp	NSS-MRCET	2016-2017	18	294
5	Road Safety	NSS-MRCET	2016-2017	5	165
6	Special Village Camp	NSS-MRCET	2016-2017	18	105
7	e-waste management	NSS-MRCET	2016-2017	56	110

3.6.4 Q_nM	<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

Academic Year: 2016 -2017

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	Medical Camp	NSS-MRCET	National Service Scheme	2016-2017	12	94
2	Blood Donation Camp	NSS-MRCET	National Service Scheme	2016-2017	8	75
3	Plantation Awareness Programme	NSS-MRCET	SWACHH BHARAT	2016-2017	15	236
4	Swachh Bharat Summer Camp	NSS-MRCET	SWACHH BHARAT	2016-2017	18	294
5	Road Safety	NSS-MRCET	SWACHH BHARAT	2016-2017	5	165
6	Special Village Camp	NSS-MRCET	SWACHH BHARAT	2016-2017	18	105
7	e-waste management	NSS-MRCET	National Service Scheme	2016-2017	9	110

3.7.1 Q_nM	<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	Air Force Station, Begumpet	Self	2016-2017	1 day	Industrial Visit
Industrial Visit	Air Force Station, Hakimpet	Self	2016-2017	2 days	Industrial Visit
Design and Development of Brain Computer Interface for visualization and Reconstruction of Images from Brain Data	Vita Technologies Pvt. Ltd.,	Vita Technologies Pvt. Ltd.,	2016-2017	1 year	Research Project
A Machine Learning Driven Evolutionary Approach for testing web application Firewalls	Coign Consultants Pvt. Ltd.,	Coign Consultants Pvt. Ltd.,	2016-2017	1 year	Research Project
EES Easy Emergency Service	Support for Entrepreneurial and Managerial Development of SMS (MSME) through Incubators	Support for Entrepreneurial and Managerial Development of SMS (MSME) through Incubators	2016-2017	1 year	Research Project
Colossiam Web Design	Saky Technologies Pvt Ltd	Saky Technologies Pvt Ltd	2016-2017	3 months	Research Project
Vehicle Number Plate Identification For Road Safety Application	Web Cognize, Hyderabad	Web Cognize, Hyderabad	2016-2017	6 months	Research Project
Industry Institute collaboration	UNIMAS, Malaysia	Self	2016-2017	18 days	Internship
Control Cloud Data Access Privilege and Anonymity with Fully Anonymous Attribute – Based Encryption	M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad	M/S S K Tech Sole Engineers Solutions Pvt. Ltd., Hyderabad	2016-2017	6 months	Research Project
Industry Institute collaboration	EdCIL(India) Limited	Self	2016-2017	13	Internship
Industry Institute collaboration	NRSC, Hyderabad	Self	2016-2017	1 month	Internship
Industry Institute collaboration	EdCIL(India) Limited	Self	2016-2017	1 month	Internship

Industry Institute collaboration	Hello Robotics	Self	2016-2017	1 month	Internship
Industry Institute collaboration	Hello Robotics	Self	2016-2017	1 month	Internship
Academic collaboration	UNIMAS, Malaysia	Self	2016-2017	1 month	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)

Organisation 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
EdCIL Limited (India)	EdCIL (India) Limited	15-06-2016	3 weeks	Projects, Industrial Training, Industrial Visits, Research Projects	45
University Malaysia Sarawak (UNIMAS), Malaysia	Universiti Malaysia Sarawak (UNIMAS), Malaysia	10-04-2017	2 weeks	Projects, Industrial Training, Industrial Visits, Research Projects	6
NIT Rourkela	NIT Rourkela	17-01-2017	15 days	Extrusion and Forging Processes	25
NIT Rourkela	NIT Rourkela	17-01-2017	15 days	Future Trends in Texture and its Applications	25
Shreyas Global Technologies	Shreyas Global Technologies	2017	2 years	Projects	35