Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**NARASARAOPETA ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr. M. Sreenivasa Kumar**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08647239903**
Mobile no.	**9440757039**
Registered Email	**principal@nrtec.ac.in**
Alternate Email	**msking2030@gmail.com**
Address	**Kotappakonda Road, Yellamanda (Post), Narasaraopet**
City/Town	**Narasaraopet**
State/UT	**Andhra Pradesh**
Pincode	**522601**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**19-Apr-2016**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr S. B. Venkata Siva**
Phone no/Alternate Phone no.	**08647239923**
Mobile no.	**9692464540**
Registered Email	**neciqac@gmail.com**
Alternate Email	**venkatasivanec@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.nrtec.ac.in/aqar/

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.nrtec.ac.in/academic-calendar/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.05**	**2015**	**15-Mar-2015**	**31-Dec-2021**

6. Date of Establishment of IQAC	**20-Dec-2012**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
OBE	**10-Jul-2018** **1**	**200**

IPR and patents	07-Jun-2019 1	100
Koha and Library Automation	12-Oct-2018 1	15
NBA Accreditation	22-Apr-2019 5	60
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Assessing the quality parameters and providing required suggestions for the improvement towards OBE. 2. Arranging training on pedagogy (Training Teachers for Excellence) every semester for all faculty. 3. Conducting seminars / workshops, FDPs, Guest Lectures, training / certification programs on quality related issues and Entrepreneurship awareness programs 4. Encouraging Research and consultancy Development, empowerment, Establishing advanced / research labs / centres. 5. Evaluation of existing teaching learning systems and related documents 6. Arranging training on latest technologies for students.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
To Monitor Teaching Learning process	Academic Audit is done at the end of every semester.
To get reaccreditation by NBA for eligible B.Tech. programs	NBA orientation programmes are conducted
To Encourage R&D and Consultancy, Establishing advanced / research labs / centres, setting up new experiments on latest technologies.	Many proposals are applied to various agencies like AICTE, DST, SERB etc. And received grants from AICTE for FDP and STTP.
To obtain feedback from stake holders for designing the curriculum.	Feedback obtained from students, Faculty, Parents, Alumni, Industry for designing curriculum under autonomous scheme.
Conducting Faculty Development Programs on Emerging technologies.	16 Faculty development Programs are organized.
To offer Value added courses	Programs were conducted on latest technologies for the benefit of the students.
To Improve Co-Curricular Activities	Workshops, seminars, industrial visits, soft skill development programmes, communication skill development programmes organised regularly.
Communication with Parents	· Letters with particulars of Percentage of attendance, Mid- exam marks, SGPA and Backlogs have been sent. · Percentage of student attendance is improved
Online Certification courses	· College was recognised as NPTEL Local Chapter. · Faculty members and Students have got around 800 NPTEL/MOOC'S course completion certificates for various courses.
To improve technical activities	· National Level Techfest "JUBILATION-2K19" was organized in March 2019 · Project Expo was organized in the institute in the month of March 2019
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	18-Jul-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2018**
Date of Submission	**25-Dec-2018**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**BEES ERP software is implemented for student attendance, marks and other related activities. Autonomous exam section activities like exam fee collection, hall ticket generation, seating plans and post processing of results are done by BET tool of BEES ERP. Learning management system (MOODLE) software is used for conducting online exams and for uploading teaching learning material. HEBEON software tool is used for self learning of programming languages like C, JAVA, PYTHON etc.**

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
No Data Entered/Not Applicable !!!				
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
workshop on Mathematical operations with Scilab	10/01/2019	33
guest lecture on Advanced wireless communications	16/02/2019	75
guest lecture on Global Navigation Satellite System and its applications	02/02/2019	160
A Short Term Training on Applications of IoT	06/02/2019	210
workshop on important topics in EM waves and Transmission Lines	11/03/2019	235
workshop on important topics in Digital Signal Processing	14/03/2019	147
work shop on Microsoft Azure Cloud	19/02/2019	60
work shop on Financial Markets and Products	27/02/2019	190
Workshop on Python for Beginners	13/05/2019	60
Workshop on Scilab	04/05/2019	83
Certification cum workshop on FUSION 360	12/07/2018	31
ROBCAD BASICS	27/08/2018	60
Essentials for NX Designers	01/10/2018	32
Certification cum workshop on FUSION 360	17/12/2018	35
ROBCAD BASICS	31/12/2018	40
Essentials for NX Designers	21/01/2019	35
AUTO CAD	28/01/2019	50
FUSION 360	11/07/2018	31
ROB CAD BASICS	04/09/2018	55
ESSENTAL FOR NX DESIGN	01/10/2018	31

FUSION 360	10/12/2018	31
ROB CAD BASICS	17/12/2018	31
ESSENTAL FOR NX DESIGN	31/12/2018	37
Google Udacity Android Nano Degree Certification Course	27/11/2018	40
Work shop on IPR and patents	07/06/2019	150
guest lecture on Finite Element Methods	18/07/2018	220
work shop on Non Destructive Evaluation	20/07/2018	220
work shop on Heat Ventilation and Air Conditioning	18/09/2018	220
Seminar on Advanced Welding Technologies	20/09/2018	220
work shop on Embedded Systems	16/07/2018	81
work shop on Scilab	23/08/2018	37
Seminar on Applications of DSP VLSI	05/09/2018	89
Seminar on Data Sciences	15/09/2018	30
Guest lecture on Emerging Technologies	06/07/2018	40
Code Vita training program	18/07/2018	120
workshop on AWS Technical Essentials	25/07/2018	60
workshop on Cyber Security	11/09/2019	40
workshop on Google Android Developer Fundamentals	20/09/2018	43
training program on ETabs software	17/12/2018	70
work shop on Python	13/12/2018	40
work shop on Big data and Machine Learning	05/11/2018	30
work shop on Deep Learning and Computer Vision with Python Programming	23/11/2018	30
work shop on Coursera certification on Python	27/11/2018	75
work shop on Google Udacity and Android Nano Degree Certification	27/11/2018	160

Seminar on Groundwater Management	08/01/2019	85
training program on AUTOCAD	21/01/2019	64
workshop on Power Electronics and Drive Applications	11/02/2019	31
Work shop with Hands on Training on Design Thermal Systems	11/02/2019	55
Work shop with Hands on Training on NonDestructive Testing	13/02/2019	25
Work shop with Hands on Training on Robotics	11/02/2019	25
Coursera Certification on pythonfor students	27/11/2018	75
Nano degree certifications(full stack web development)	27/11/2018	49
Nano degree certifications(Android web developer	27/11/2018	43
Nano degree certifications(front end web developer)	27/05/2019	68
FRONT ACCOUNTING (SPOKEN TUTORIAL COURSE by IIT BOMBAY)	17/01/2019	63
NPTEL COURSE on C	01/12/2018	42
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	ECE	3
BTech	CSE	33
BTech	MECH	20
BTech	CIVIL	139
MBA	MBA	60
MCA	MCA	1
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes

Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
At the end of first month of each semester, feedback is collected from students through online mode. The online feedback is summarized and the consolidated report is handover to Principal by DEAN (Academics). The faculty with average and poor feedback are counselled by Principal in the presence of HOD. Based on the report of HOD, Principal will take the necessary action to solve the issues raised by the students through feedback. For the effective implementation of the Academic system, the following feedback methods are adopted. Direct Feedback from Students: Each Section of the department has a Class Committee consisting of students, class teacher and HOD. Students are invited to express their views on various subj ects, pedagogical methods and academic environment of the department. Interactive Feedback: Principal and HOD interact with students directly in the absence of teachers for unbiased feedback covering performance of teachers, coverage of syllabus etc. Online Feedback: The consolidated feedback of all subjects is collected online and analysed by HOD.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Engineering and Technology	900	810	808
Mtech	Engineering and Technology	132	35	33
MBA	Management	180	65	62
MCA	Computer Applications	120	45	42
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	808	137	252	56	7

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

308	240	10	49	6	140

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The college has well established mentoring system for all round development of students. From the date of joining the institution, the students are monitored on regular basis to excel in Academic Curricular, Co curricular and Extra Curricular activities. A group of 15 to 20 students are allotted a faculty counsellor to personally monitor all round development of the students. The counsellors inform the attendance details and academic performance of the students to their parents, weekly once. Also faculty member counsel the students weekly once and guide them on various academic and curricular aspects. The progress report of the students is sent to the parents through letters after each mid exam and after the announcement of University results.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3843	308	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
308	308	0	34	30

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.S.V.N.Srinivasu	Professor	Best Paper Award
2019	Dr. G. Babu Rao	Associate Professor	Best Young Scientist Award
2019	K.V.Pratap	Assistant Professor	Best Young Faculty Award

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	Civil	8/4	27/04/2019	25/05/2019
BTech	Mechanical	8/4	27/04/2019	25/05/2019
BTech	EEE	8/4	27/04/2019	25/05/2019
BTech	ECE	8/4	27/04/2019	25/05/2019
BTech	CSE	8/4	27/04/2019	25/05/2019
MBA	MBA	4/2	11/05/2019	04/07/2019
Mtech	MTech	2/1	14/06/2019	04/07/2019
MCA	MCA	5/3	10/11/2018	10/01/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	0	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.nrtec.ac.in/departments/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Civil	BTech	Civil	108	95	88.00
Mechanical	BTech	Mechanical	197	141	72.00
EEE	BTech	EEE	67	53	79.00
ECE	BTech	ECE	209	147	70.00
CSE	BTech	CSE	217	201	93.00
MBA	MBA	MBA	127	125	98.42
MCA	MCA	MCA	48	42	87.5
MTech	Mtech	CSE	5	3	60.0
MTech	Mtech	DECS	4	4	100
MTech	Mtech	MD	5	4	80.0
MTech	Mtech	TE	4	3	75.0
MTech	Mtech	PEED	1	1	100
MTech	Mtech	SE	4	4	100

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

http://www.nrtec.ac.in

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency

3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	3	DSTNIMAT	1	1
Any Other (Specify)	12	AICTE	5.75	5.75
Any Other (Specify)	6	AICTE	3.23	3.23
Any Other (Specify)	6	MNIT Jaipur	0.55	0.55
Any Other (Specify)	6	MNIT Jaipur	1	1
Any Other (Specify)	6	MNIT Jaipur	0.85	0.85
Any Other (Specify)	6	MNIT Jaipur	1.02	1.02

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
work shop on Python	CSE	13/12/2018
work shop on Big data and Machine Learning	CSE	05/11/2018
work shop on Deep Learning and Computer Vision with Python Programming	CSE	23/11/2018
work shop on Coursera certification on Python	CSE	27/11/2018
work shop on Google Udacity and Android Nano Degree Certification	CSE	27/11/2018
Seminar on Groundwater Management	CIVIL	08/01/2019
training program on AUTOCAD	CIVIL	21/01/2019

workshop on Power Electronics and Drive Applications	EEE	11/02/2019
Work shop with Hands on Training on Design Thermal Systems	MECHANICAL	11/02/2019
Work shop with Hands on Training on NonDestructive Testing	MECHANICAL	13/02/2019
Work shop with Hands on Training on Robotics	MECHANICAL	11/02/2019
workshop on Mathematical operations with Scilab	ECE	10/01/2019
guest lecture on Advanced wireless communications	ECE	16/02/2019
guest lecture on Global Navigation Satellite System and its applications	ECE	02/02/2019
workshop on important topics in EM waves and Transmission Lines	ECE	11/03/2019
workshop on important topics in Digital Signal Processing	ECE	14/03/2019
work shop on Microsoft Azure Cloud	CSE	19/02/2019
work shop on Financial Markets and Products	MBA	27/02/2019
Workshop on Python for Beginners	CSE	13/05/2019
Workshop on Scilab	ECE	04/05/2019
Work shop on IPR and patents	IQAC/MBA	07/06/2019
workshop on "Embedded system"	ECE	30/08/2018
guest lecture on Finite Element Methods	MECHANICAL	18/07/2018
work shop on Non Destructive Evaluation	MECHANICAL	20/07/2018
training program on ROBCAD	MECHANICAL	04/09/2018
work shop on Heat Ventilation and Air Conditioning	MECHANICAL	18/09/2018
Seminar on Advanced Welding Technologies	MECHANICAL	29/09/2018
work shop on Embedded Systems	ECE	16/07/2018

work shop on Scilab	ECE	23/08/2018
Seminar on Applications of DSP VLSI	ECE	05/09/2018
Seminar on Data Sciences	CSE	15/09/2018
Guest lecture on Emerging Technologies	CSE	06/07/2018
Code Vita training program	CSE	18/07/2018
workshop on AWS Technical Essentials	CSE	25/07/2018
workshop on Cyber Security	CSE	11/09/2018
workshop on Google Android Developer Fundamentals	CSE	20/09/2018
training program on ETabs software	CIVIL	17/12/2018
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best Young Scientist Award	Dr. G. Babu Rao	ITSR Foundation, Jaipur	31/03/2019	National
Best Young Scientist Award	K.V.Pratap	DK international reearch foundation, Tamilnadu	30/06/2019	National
Institutional Ranking AAA	Institution	Career 360	01/04/2019	National
Institution Innovation Council (Three star rating)	Institution	MHRD Innovation cell	21/11/2018	National
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
MSME HIBI	MSME	MHRD	NA	NA	12/02/2019
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Civil	1
MBA	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	MECH	1	0
International	MECH	8	3.19
International	EEE	1	1.65
International	ECE	12	5.07
International	CSE	30	6.63
International	CIVIL	22	6.80
International	MBA	3	1.86
International	BSH	14	4.29
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
MECHANICAL	2
BASIC SCIENCE AND HUMANITY	16
CIVIL	2
CSE	8
MBA	4
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Fool proof Decision Support System for Melanoma Cancer Detection	Filed	2019410058	14/02/2019
Method and System For Physician Decision Making System For Psoriasis Detection	Filed	2019941016	24/04/2019
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Various Issues in Hadoop Distributed File System,	Dr.S.V.N.Srinivasu	International Journal of Pure and Applied Mathematics	2018	4	Yes	2

Map Reduce and Future Research Directions						
Various Issues in Hadoop Distributed File System, Map Reduce and Future Research Directions	Dr.S.N.Tirumala Rao	International Journal of Pure and Applied Mathematics	2018	4	Yes	2
An Effective Data Privacy Mechanism through Secure session key -Exchange model for MANET	Dr.S.N.Tirumala Rao	International Journal of Electrical and Computer Engineering	2018	2	Yes	1
A Valuable Role of Digital Payments in Building Smart Cities Using IOT Technology.	Dr.S.V.N.Srinivasu	Journal of Advanced Research in Dynamical and Control Systems	2018	1	Yes	0
Denoising the Noisy Image by using Histogram Filter	Dr.S.V.N.Srinivasu	Journal of the American Chemical Society	2018	1	Yes	0
SECURITY ENHANCEMENT FOR CLOUDLET BASED MEDICAL DATA SHARING	Dr.K.Lakshminadh	International Journal of Management, Technology And Engineering	2019	1	Yes	0
SECURITY ENHANCEMENT FOR CLOUDLET BASED	Dr.S.Siva Nageswararao	International Journal of Management,	2019	1	Yes	0

		Technology And Engineering				
Fingerprint Classification by using the Delaunay Triangles	Dr.S.V.N.Srinivasu	International Journal of Innovative Technology and Exploring Engineering	2018	1	Yes	0
An Approach for Extracting Viewpoint Patterns using Geometric Directions	Dr.S.V.N.Srinivasu	International Journal of Innovative Technology and Exploring Engineering	2018	1	Yes	0
Improved Fingerprint Image Segmentation Approaches	Dr.S.V.N.Srinivasu	International Journal of Innovative Technology and Exploring EngineeringInternational Journal of Innovative Technology and Exploring Engineering	2019	1	Yes	0
Hadoop Cluster Performance with MapReduce and Pig Latin in the Big Data	Dr.S.V.N.Srinivasu	International Journal of Innovative Technology and Exploring Engineering	2019	1	Yes	0
DDSRC: Algorithm for improving QOS in VANET	Dr.S.Siva Nageswararao	International Journal of Innovative Technology and Exploring Engineering	2019	1	Yes	0

A Belief Forecasting Methodology To Preserve Data Security And Privacy in Manet Routing	Dr.S N Tirumala Rao	Journal of Theoretical and Applied Information Technology	2019	1	Yes	1
Enhanced Energy Efficiency Algorithm for Query Results	K.Hajarathaiah	International Journal of Innovative Technology and Exploring Engineering	2019	1	Yes	0
Enhanced Energy Efficiency Algorithm for Query Results	T.SubbaReddy	International Journal of Innovative Technology and Exploring Engineering	2019	1	Yes	0
Enhanced bio medical data modeling using unsupervised probabilistic machine learning technique	Sd.Rizwana	International Journal of Recent Technology and Engineering	2019	1	Yes	0
Enhanced bio medical data modeling using unsupervised probabilistic machine learning technique	Ch.Kamala	International Journal of Recent Technology and Engineering	2019	1	Yes	0
Node Activities Learning(NAL) Approach	Dr.S.N.Tirumala Rao	International Journal of Communication	2018	1	Yes	0

		Networks and Information Security				
to Build Secure and PrivacyPreserving Routing in Wireless Sensor Networks						
Handling Declensions of Sanskrit in Machine Translation	Dr.S.V.N.Srinivasu	Journal of Emerging Technologies and Innovative Research	2018	1	Yes	0
A Novel Approach for View pattern Approach	Dr.S.V.N.Srinivasu	Journal of Computational and Theoreotical of Nano Science	2018	1	Yes	0
Denoising the Noisy Image by using Histogram Filter	Dr.S.V.N.Srinivasu	Journal of Applied Science and Computations	2018	1	Yes	0
A Valuable Role of Digital Payments in Building Smart Cities Using IOT Technology	Dr.S.V.N.Srinivasu	Journal of Advanced Research in Dynamical and Control Systems	2018	1	Yes	0
Multi Interface TCP for Handover in Next Generation Wireless Networks	Dr.K.Lakshminadh	International Journal of Pure and Applied Mathematics	2018	1	Yes	0
Multi Interface TCP for Handover in Next Generation Wireless Networks	Dr.S.Siva Nageswararao	International Journal of Pure and Applied Mathematics	2018	1	Yes	0
Differential	Lakshmi Naga	International	2018	1	Yes	0

Evolution With New Mutant A Case Study On Sequence Alignment	Jayaprada	Journal of Pure and Applied Mathematics				
A New method for preventing ddos attack by active path identifiers in internet	E.RAMAKRISHNA	International Journal of Science Engineering Development Research	2018	1	Yes	0
Image Mining and Viewpoint Patterns: Review and Challenges	Dr.SVN. Srinivasu	Journal of Advanced Research in Dynamical and Control Systems	2018	1	yes	0
Food Selection for Diabetic Patients by using Image Classification	Gnanendra Kotikam	JOURNAL OF INNOVATIVE INFORMATION TECHNOLOGY	2018	1	yes	0
Mhd Boundary Layer Flow And Heat Transfer Of A Nanofluid Past A Radiative And Impulsive Vertical Plate	Dr.G. Dharmaiah	Frontiers in Heat and Mass Transfer	2018	0	Yes	0
Effects Of Radiation And Hall Current On Unsteady Mhd Free Convective Flow Over Inclined Porous Surface	Dr.G. DharmaiahDr.G. DharmaiahDr.G. Dharmaiah	International Journal of Mechanical and Production Engineering Research and Development	2018	0	Yes	0

Analytical Investigations Of Aligned And Hall Effects On Unsteady Free Convection Flow Past An Accelaration Inclined Plate	Dr.G. Dharmaiah	International Journal of Mechanical and Production Engineering Research and Development	2018	0	Yes	0
Some results on derivations in m?groups	Dr.Shaik Mohiddin Shaw	International journal of pure and applied Mathematical Sciences	2018	0	Yes	0
Inverse Domination In Fuzzy Graphs	Dr.Shaik Mohiddin Shaw	International journal of pure and applied Mathematical Sciences	2018	0	Yes	0
A Study On Mhd Boundary Layer Flow Rotating Frame Nanofluid With Chemical Reaction	Dr.G. Dharmaiah	Frontiers in Heat and Mass Transfer	2019	0	Yes	0
A Study On Al2O3H2ONanofluid In The Presence Of Constant Heat Source	Dr.G. Dharmaiah	International Journal of Mechanical and Production Engineering Research and Development	2019	0	Yes	0
Viscous Dissipation Effect On Transient Aligned Magnetic Free Convective	Dr.G. Dharmaiah	Frontiers in Heat and Mass Transfer	2019	0	Yes	0

Flow Past An Inclined Plate						
Electronic structure and Magnetic properties of Cubic Perovskite PrFeO3 and NdFeO3: A firstprinciples Study	Dr.K. Ephraim Babu	AIP Conference Proceedings, American Institute of Physics	2018	2	Yes	0
Investigation of the physical and electrochemical properties of LilaxMn 2xO3.85 cathod metirials	Dr.K. Ephraim Babu	Physica B: Condensed Matter	2019	1	Yes	0
Effect of Zn-Cr substitution on the structural, magnetic and electrical properties of magnesium ferrite materials	Dr.K. Ephraim Babu	Physica B: Condensed Matter	2019	0	Yes	0
Synthesis, Characterization and Electrochemical Properties of a FluorideSubstituted Spinel LiMn2O4 Cathode Material	Dr.K. Ephraim Babu	Journal of the Korean Physical Society	2019	0	Yes	0
Analytical study of sio2water based nano	Dr.G. Dharmaiah	International Journal of Mechanical	2019	0	Yes	0

fluid flow in a rotating frame with thermos phoresis		and Production Engineering Research and Develo pment				
Effects Of Radiation And Radiation Absorption On Unsteady Mhd Flow Past A Vertical Porous Flat Plate In A Rotating System With Chemical Reaction In A Nanofluid	Dr.G. Dharmaiah	Internatio nal Journal of Advanced Trends in Computer A pplication s	2019	0	Yes	0
IDENTIFICA TION OF GR OUNDWATER FEASIBLE SITES IN ERRAVAGU SUBBASIN OF GUNTUR DISTRICT, ANDHRA PRADESH USING GEOP HYSICAL AND GEOSPATIAL METHODS"	G.BABU RAO	Internatio nal Journal of Pure and Applied Ma thematics	2018	2	Yes	0
IDENTIFICA TION OF GR OUNDWATER FEASIBLE SITES IN ERRAVAGU SUBBASIN OF GUNTUR DISTRICT, ANDHRA PRADESH USING GEOP HYSICAL AND GEOSPATIAL	S.KANAKAMB ARA RAO	Internatio nal Journal of Pure and Applied Ma thematics	2018	0	Yes	0

METHODS"						
"DEMARCATION OF GROUNDWATER RECHARGE ZONES IN PUDUCHERRY USING ELECTRICAL RESISTIVITY METHOD	K.ANIL KUMAR	International Journal of Pure and Applied Mathematics	2018	0	Yes	0
Preparation of base map for NEC campus geotagging of electrical poles by using total station GPS	G.BABU RAO	International Journal of Pure and Applied Mathematics	2018	0	Yes	0
WATER PERMEABILITY, POROSITY AND COMPRESSIVE STRENGTH OF HIGH PERFORMANCE CONCRETE	K.VENKATESH	International Journal of Pure and Applied Mathematics	2018	0	Yes	0
WATER PERMEABILITY, POROSITY AND COMPRESSIVE STRENGTH OF HIGH PERFORMANCE CONCRETE	K.V. PRATAP	International Journal of Pure and Applied Mathematics	2018	0	Yes	0
REPAIR TECHNIQUES OF REINFORCED CONCRETE BEAMS IN COMPARISON WITH CONVENTIONAL BEAMS	K.N.LAKSHMAIAH	International Journal of Pure and Applied MathematicsInternational Journal of Pure and Applied Mathematics	2018	0	Yes	0
STUDY OF SHEAR STRENGTH P	K.N.LAKSHMAIAH	International Journal of	2018	0	Yes	0

ERFORMANCE ON REINFORCED CONCRETE BEAM WITH STRIPING OF FRP STRIPS		Pure and Applied Mathematics				
UNCONFINED COMPRESSIVE STRENGTH VS PLASTICITY INDEX BEHAVIOR OF EXPANSIVE SOIL USING INDUSTRIAL EFFLUENTS	K.V.N.LAXMA NAIK	International Journal of Pure and Applied Mathematics	2018	0	Yes	0
UNCONFINED COMPRESSIVE STRENGTH VS PLASTICITY INDEX BEHAVIOR OF EXPANSIVE SOIL USING INDUSTRIAL EFFLUENTS	M. SRINIVASA RAO	International Journal of Pure and Applied Mathematics	2018	0	Yes	0
EXPERIMENTAL STUDY ON ANTICORROSIVE COATINGS FOR STEEL BRIDGES	DINESH KANKIPATI	International Journal of Pure and Applied Mathematics	2018	0	Yes	0
TIME HISTORY ANALYSIS OF THE MULTISTORY BUILDING WITH AND WITHOUT MASONRY STRUCTURE SHEAR WALL FOR VARIOUS SEISMIC ZONES	DOREDLA NAGARAJU	International Journal of Pure and Applied Mathematics	2018	0	Yes	0
AN EXPERIMENTAL	K.V. PRATAP	International nal	2019	0	Yes	0

STUDY ON MECHANICAL PROPERTIES OF SELF CURING CONCRETE		Journal of Engineering Research				
Defluoridation of water with Environmental waste materials"	Dr. G.Babu Rao	International Journal of Civil Engineering and Technology(Scopus Index Journal)	2019	0	Yes	0
Preparation of base map for NEC campus geotagging of electrical poles by using total station GPS	D.Nagaraju	International Research Journal of Engineering and Technology (IRJET)	2019	0	Yes	0
An experimental study on partial replacement of perlite and GGBS with cement in ternary blended concerte	K.N.Lakshmaiah	INTERNATIONAL JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATIONS IN TECHNOLOGY	2019	0	Yes	0
An experimental study on mechanical and durability properties of blended concrete with M30 grade	K.N.Lakshmaiah	International Journal of Innovative Research in Science ,Engineering and Technology	2019	0	Yes	0
A Pilot Strength Studies on Granite Powder and Silica	V.Ramanjaneyulu	International Journal of Innovative Technology and	2019	0	Yes	0

Fume Based Concrete.		Exploring Engineering(Scopus Index Journal).				
Application of Water Quality Index (WQI) for Assessment of Groundwater Quality in Narasaraopet Mandal of Guntur District, Andhra Pradesh, India	Dr.G. Babu Rao	International Journal Of Engineering Research Technology	2019	0	Yes	0
Comparative response spectrum and time history analysis of G 17 RC Frame on Zone III in India	K. V. Pratap	International Journal of Science and Research	2019	0	Yes	0
Study on mechanical and durability properties of ternary bended hybrid fibre polymer concrete with M30 grade	M. Srinivasa Rao	International Journal of Science and Research	2019	0	Yes	0
Influence of BrMk blend on Micro structure, workability an mechanical properties of concrete	V. Ramanjaneyulu	International Journal of Innovative Technology and Exploring Engineering (Scopus Index Journal).	2019	0	Yes	0
An	Ch.Krishna	Internatio	2019	0.11	Yes	0

Automatic Classification of GlaucomaDisease using Knowledge Discovery Approach	Priya	nal Journal of Recent Technology and Engineering (IJRTE)				
QCA based Area Efficient B2G G2B Code Converters	V. Rama Krishna Reddy	Jour of Adv Research in Dynamical Control Systems	2019	0.275	Yes	0
Super Pixel Segmentation and Saliency basedPlant Leaf Disease Detection using SVM	K Sreenivasa Ravi	International Journal of Recent Technology and Engineering (IJRTE)	2019	0.11	Yes	0
A new security improved Boolean XOR operation based natural secret image sharing scheme	JVK Ratam	International jouranal of pure and applied mathematics	2018	0.247	Yes	0
New security improved Boolean XOR operation based natural secret image sharing scheme	V.Venkatarao, T.Indira, Ch.Krishna Priya, P.Vasanthi	International jouranal of pure and applied mathematics	2018	0.247	Yes	0
Detection and correction of eye blink artifact in single	Ajay Kumar Maddirala, BhagyaRaju Pillagura	International jouranal of pure and applied mathematics	2018	0.247	Yes	0

channel electroencephalogram (EEG) signal using a simple Kmeens clustering algorithm						
Multifractal Based Ventricular Abnormality Detection in CMR Images	A V Nageswararao	International jouranal of pure and applied mathematics	2018	0.247	Yes	0
Inhomogenity correction and hybrid based segmentation in cardiac MRI	A V Nageswararao	International jouranal of Biomedical Engineering and technology	2018	0.75	Yes	0
Realization of effective reversible Decoder based combinational circuits	V.Rama Krishna Reddy,V.Venkatarao,M.Sailaja,Ch.Karhik,E.Narendra	International jouranal of pure and applied mathematics	2018	0.247	Yes	0
A review on advanced crop field monitoring system in agriculture field through top notch sensors	K Sreenivasa Ravi	International Journal of Recent Technology and Engineering (IJRTE)	2018	0.11	Yes	0
Smart home authentication and security with IoT using face recognition	K Sreenivasa Ravi	International Journal of Recent Technology and Engineering (IJRTE)	2019	0.11	Yes	0
Left ventricular wall defor	A V Nageswararao	Biomedical Research (2019)	2019	0.219	Yes	0

mation of CMR images using statistical analysis		Volume 30, Issue 4				
"Tribological studies of Albased metal matrix composite reinforced with Al20Cu10Mg ternary alloy using Taguchi technique"	B Venkata Siva	Int. J. Materials Engineering Innovation	2018	0.326	Yes	0
Experimental Studies of Mechanical Properties and Tribological Behavior of Aluminium Composite Reinforced With Coconut Shell Ash Particulates	B Venkata Siva	Int. J. Materials Engineering Innovation	2018	0.326	Yes	1
" BEM PREDICTION OF WIND TURBINE OPERATION AND PERFORMANCE	Donepudi Jagadish	International Journal of Renewable Energy Research	2018	2.63	Yes	0
"Experimental Investigations on Homogeneous Charged Compression Ignition (HCCI) Engine"	Donepudi Jagadish	International Journal of Engineering and Advanced Technology	2018	0	Yes	0
"AERODYNAMIC PERFORM	Donepudi Jagadish	INCAS Bulletin	2019	0.14	Yes	0

ANCE OF MICRO AERIAL VEHICLES AT LOW REYNOLDS NUMBERS"						
"PERFORMAN CE AND EMISSIONS CHARACTERI STICS OF HCCI ENGINE WITH EUCALYPTUS BIODIESEL"	Donepudi Jagadish	Internatio nal Journal of Innovative Technology and Exploring Engineerin g	2019	0	Yes	0
Synthesis and Compar ative Machining Characteri zation of A356 Graphite, A356 – SiC and A356 – CaSiO3 Com posites"	P. Suresh Babu	Internatio nal Research Journal of Engineerin g and Technoloy (IRJET)	2018	0.6	Yes	0
Aluminium metal matrix composites reinforced with waste colliery shale: A potential material for wear resistant applicatio ns"	B Venkata Siva, K.L Sahoo	Indian Foundry Journal, Vol. 65, Issue 1	2019	0.11	Yes	0
Optimal reactive power dispatch under unbalanced conditions using hybrid swarm inte lligence	SK. MD. Shareef	journal of sceince direct computers and electrical engineerin g, 2018,69 pp. 183193. Elsevier p ublishers(IF1.75)	2018	1.65	Yes	7

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A Study on Digital Asset Management in Indian Banking Industry	Dr. S . Venkata Ramana, Mr. S. Sivasankara rao, Mr. I. Sridhar, Mr. P. Pattabhiram	VICHAARA An International journal of Management , Volume:5, Number:2,	2019	0	Yes	0
Construction of Optimal Portfolio under Sharpe Single Index Model: A Comparative Study on IT Pharma Sectors	Mr. T. Mallikarjuna Rao,	International Journal of Management , IT Engineering (IJMIE), ISSN: 22490558, IF – 7.119, Vol – 8, Issue – 10, Oct – 2018, Page No's: 114133.	2018	0	Yes	0
A Comparative Study (Teaching NonTeaching) on Employer Branding Practices in professional Engineering colleges in Guntur Dt.	Mr. S. Sivasankara Rao,	International Journal of Management , IT Engineering (IJMIE), ISSN: 22490558, IF – 7.119, Vol – 8, Issue – 10, Oct – 2018, Page No's: 101113.	2018	0	Yes	0

View File

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Study on mechanical and durability properties of ternary bended	M. Srinivasa Rao	International Journal of Science and Research	2019	4	0	Yes

hybrid fibre polymer concrete with M30 grade						
Influence of BrMk blend on Micro structure, workability an mechanical properties of concrete	V. Ramanja neyulu	International Journal of Innovative Technology and Exploring Engineerin g (Scopus Index Journal).	2019	0	0	Yes
An Automatic Classifica tion of Gl aucomaDise ase using Knowledge Discovery Approach	Ch.Krishna Priya	International Journal of Recent Technology and Engine ering (IJRTE)	2019	0	0	Yes
QCA based Area Efficient B2G G2B Co deConverte rs	V. Rama Krishna Reddy	Jour of Adv Research in Dynamical Control Systems	2019	0	0	Yes
SuperPixel Segmentati on and Saliency basedPlant Leaf Disease Detection using SVM	K Sreenivasa Ravi	International Journal of Recent Technology and Engine ering (IJRTE)	2019	0	0	Yes
A new security improved Boolean XOR operation based natural secret image sharing scheme	JVK Ratam	International jouranal of pure and applied ma thematics	2018	20	0	Yes
New security	V.Venkatar ao,	Internatio nal	2018	20	0	Yes

improved Boolean XOR operation based natural secret image sharing scheme	T.Indira, Ch.Krishna Priya, P.Vasanthi	jouranal of pure and applied ma thematics				
Detection and correction of eye blink artifact in single channel electroencep halogram (EEG) signal using a simple Kmeens clustering algorithm	Ajay Kumar Maddirala, BhagyaRaju Pillagura	Internatio nal jouranal of pure and applied ma thematics	2018	20	0	Yes
Multifract al Based V entricular Abnormalit y Detection in CMR Images	A V Nagesw ararao	Internatio nal jouranal of pure and applied ma thematics	2018	20	0	Yes
Inhomogeni ty correction and hybrid based segm entation in cardiac MRI	A V Nagesw ararao	Internatio naljourana l of Biomedical Engineerin g and technology	2018	13	0	Yes
Realizatio n of effective reversible Decoder based comb inational circuits	V.Rama Krishna Re ddy,V.Venk atarao,M.S ailaja,Ch. Karhik,E.N arendra	Internatio nal jouranal of pure and applied ma thematics	2018	20	0	Yes
A review on advanced crop field monitoring	K Sreenivasa Ravi	Internatio nal Journal of Recent Technology	2018	0	0	Yes

system in agriculture field through top notch sensors		and Engineering (IJRTE)				
Smart home authentication and security with IoT using face recognition	K Sreenivasa Ravi	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Yes
Experimental Studies of Mechanical Properties and Tribological Behavior of Aluminium Composite Reinforced With Coconut Shell Ash Particulates	B Venkata Siva	Int. J. Materials Engineering Innovation	2018	8	1	Yes
" BEM PREDICTION OF WIND TURBINE OPERATION AND PERFORMANCE	Donepudi Jagadish	International Journal of Renewable Energy Research	2018	23	0	Yes
"Experimental Investigations on Homogeneous Charged Compression Ignition (HCCI) Engine"	Donepudi Jagadish	International Journal of Engineering and Advanced Technology	2018	0	0	Yes
"AERODYNAMIC PERFORMANCE OF MICRO AERIAL VEHICLES AT LOW REYNOLDS	Donepudi Jagadish	INCAS Bulletin	2019	2	0	Yes

			NUMBERS"				

"PERFORMAN CE AND EMISSIONS CHARACTERI STICS OF HCCI ENGINE WITH EUCALYPTUS BIODIESEL"	Donepudi Jagadish	Internatio nal Journal of Innovative Technology and Exploring Engineerin g	2019	0	0	Yes
Synthesis and Compar ative Machining Characteri zation of A356 Graphite, A356 – SiC and A356 – CaSiO3 Com posites"	P. Suresh Babu	Internatio nal Research Journal of Engineerin g and Technoloy (IRJET)	2018	20	0	Yes
Aluminium metal matrix composites reinforced with waste colliery shale: A potential material for wear resistant applicatio ns"	B Venkata Siva, K.L Sahoo	Indian Foundry Journal, Vol. 65, Issue 1	2019	0	0	Yes
Optimal reactive power dispatch under unbalanced conditions using hybrid swarm inte lligence	SK. MD. Shareef	journal of sceince direct computers and electrical engineerin g, 2018,69 pp. 183193. Elsevier p ublishers(IF1.75)	2018	0	7	Yes
A Study on Digital Asset Management in Indian Banking	Dr. S . Venkata Ramana, Mr. S. Siv asankara rao, Mr.	VICHAARA An Interna tional journal of Management ,	2019	0	0	Yes

		Volume:5, Number:2,				
Industry	I. Sridhar, Mr. P. Pattabhiram					
Construction of Optimal Portfolio under Sharpe Single Index Model: A Comparative Study on IT Pharma Sectors	Mr. T. Mallikarjuna Rao,	International Journal of Management, IT Engineering (IJMIE), ISSN: 22490558, IF – 7.119, Vol – 8, Issue – 10, Oct – 2018, Page No's: 114133.	2018	0	0	Yes
A Comparative Study (Teaching NonTeaching) on Employer Branding Practices in professional Engineering colleges in Guntur Dt.	Mr. S. Sivasankara Rao,	International Journal of Management, IT Engineering (IJMIE), ISSN: 22490558, IF – 7.119, Vol – 8, Issue – 10, Oct – 2018, Page No's: 101113.	2018	0	0	Yes
Fingerprint Matching Algorithms and BOVW:A Survey	Dr.S.V.N.Srinivasu	International Journal of Computer Sciences and Engineering	2018	0	0	Yes
Various Issues in Hadoop Distributed File System, Map Reduce and Future Research Directions	Dr.K.Uma Pavan Kumar	International Journal of Pure and Applied Mathematics	2018	20	2	Yes
Various Issues in Hadoop Dis	Dr.S.V.N.Srinivasu	International Journal of	2018	20	2	Yes

tributed File System, Map Reduce and Future Research Directions		Pure and Applied Mathematics				
Various Issues in Hadoop Distributed File System, Map Reduce and Future Research Directions	Dr.S.N.Tirumala Rao	International Journal of Pure and Applied Mathematics	2018	20	2	Yes
An Effective Data Privacy Mechanism through Secure session key -Exchange model for MANET	Dr.S.N.Tirumala Rao	International Journal of Electrical and Computer Engineering	2018	14	1	Yes
A Valuable Role of Digital Payments in Building Smart Cities Using IOT Technology	Dr.S.V.N.Srinivasu	Journal of Advanced Research in Dynamical and Control Systems	2018	8	0	Yes
Denoising the Noisy Image by using Histogram Filter	Dr.S.V.N.Srinivasu	Journal of the American Chemical Society	2018	542	0	Yes
SECURITY ENHANCEMENT FOR CLOUDLET BASED MEDICAL DATA SHARING	Dr.K.Lakshminadh	International Journal of Management, Technology And Engineering	2019	2	0	Yes
SECURITY ENHANCEMENT FOR	Dr.S.Siva Nageswararao	International Journal of	2019	2	0	Yes

CLOUDLET BASED MEDICAL DATA SHARING		Management , Technology And Engineering				
Fingerprint Classification by using the Delaunay Triangles	Dr.S.V.N.S rinivasu	International Journal of Innovative Technology and Exploring Engineering	2018	0	0	Yes
An Approach for Extracting Viewpoint Patterns using Geometric Directions	Dr.S.V.N.S rinivasu	International Journal of Innovative Technology and Exploring Engineering	2018	0	0	Yes
Improved Fingerprint Image Segmentation Approaches	Dr.S.V.N.S rinivasu	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Yes
Hadoop Cluster Performance with MapReduce and Pig Latin in the Big Data	Dr.S.V.N.S rinivasu	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Yes
DDSRC: Algorithm for improving QOS in VANET	Dr.S.Siva Nageswarar ao	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Yes
A Belief Forecasting Methodology To Preserve Data	Dr.S N Tirumala Rao	Journal of Theoretical and Applied Information Technology	2019	23	1	Yes

Security And Privacy in Manet Routing						
Enhanced Energy Efficiency Algorithm for Query Results	K.Hajarathaiah	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Yes
Enhanced Energy Efficiency Algorithm for Query Results	T.SubbaReddy	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Yes
Enhanced bio medical data modeling using unsupervised probabilistic machine learning technique	Sd.Rizwana	International Journal of Recent Technology and Engineering	2019	0	0	Yes
Enhanced bio medical data modeling using unsupervised probabilistic machine learning technique	Ch.Kamala	International Journal of Recent Technology and Engineering	2019	0	0	Yes
Node Activities Learning(NAL) Approach to Build Secure and PrivacyPreserving Routing in Wireless	Dr.S.N.Tirumala Rao	International Journal of Communication Networks and Information Security	2018	17	0	Yes

Sensor Networks						
Handling Declensions of Sanskrit in Machine Translation	Dr.S.V.N.S rinivasu	Journal of Emerging Technologies and Innovative Research	2018	0	0	Yes
A Novel Approach for View pattern Approach	Dr.S.V.N.S rinivasu	Journal of Computational and Theoretical of Nano Science	2018	0	0	Yes
Denoising the Noisy Image by using Histogram Filter	Dr.S.V.N.S rinivasu	Journal of Applied Science and Computations	2018	0	0	Yes
A Valuable Role of Digital Payments in Building Smart Cities Using IOT Technology	Dr.S.V.N.S rinivasu	Journal of Advanced Research in Dynamical and Control Systems	2018	8	0	Yes
Multi Interface TCP for Handover in Next Generation Wireless Networks	Dr.K.Laksh minadh	International Journal of Pure and Applied Mathematics	2018	20	0	Yes
Multi Interface TCP for Handover in Next Generation Wireless Networks	Dr.S.Siva Nageswarar ao	International Journal of Pure and Applied Mathematics	2018	20	0	Yes
Differential Evolution With New Mutant A Case Study On Sequence	Lakshmi Naga Jayaprada	International Journal of Pure and Applied Mathematics	2018	20	0	Yes

Alignment						
A New method for preventing ddos attack by active path identifiers in internet	E.RAMAKRISHNA	International Journal of Science Engineering Development Research	2018	5	0	Yes
Image Mining and Viewpoint Patterns: Review and Challenges	Dr.SVN. Srinivasu	Journal of Advanced Research in Dynamical and Control Systems	2018	5	0	Yes
Food Selection for Diabetic Patients by using Image Classification	Gnanendra Kotikam	JOURNAL OF INNOVATIVE INFORMATION TECHNOLOGY	2018	18	0	Yes
Mhd Boundary Layer Flow And Heat Transfer Of A Nanofluid Past A Radiative And Impulsive Vertical Plate	Dr.G. Dharmaiah	Frontiers in Heat and Mass Transfer	2018	16	0	Yes
Effects Of Radiation And Hall Current On Unsteady Mhd Free Convective Flow Over Inclined Porous Surface	Dr.G. Dharmaiah	International Journal of Mechanical and Production Engineering Research and Development	2018	9	0	Yes
REPAIR TECHNIQUES OF REINFORCED CONCRETE BEAMS IN	K.N.LAKSHMAIAH	International Journal of Pure and Applied Mathematics	2018	20	0	Yes

COMPARISON WITH CONVENTIONAL BEAMS						
STUDY OF SHEAR STRENGTH PERFORMANCE ON REINFORCED CONCRETE BEAM WITH STRIPING OF FRP STRIPS	K.N.LAKSHMAIAH	International Journal of Pure and Applied Mathematics	2018	20	0	Yes
UNCONFINED COMPRESSIVE STRENGTH VS PLASTICITY INDEX BEHAVIOR OF EXPANSIVE SOIL USING INDUSTRIAL EFFLUENTS	K.V.N.LAXMA NAIK	International Journal of Pure and Applied Mathematics	2018	20	0	Yes
UNCONFINED COMPRESSIVE STRENGTH VS PLASTICITY INDEX BEHAVIOR OF EXPANSIVE SOIL USING INDUSTRIAL EFFLUENTS	M. SRINIVASA RAO	International Journal of Pure and Applied Mathematics	2018	20	0	Yes
EXPERIMENTAL STUDY ON ANTICORROSIVE COATINGS FOR STEEL BRIDGES	DINESH KANKIPATI	International Journal of Pure and Applied MathematicsInternational Journal of Pure and Applied Mathematics	2018	20	0	Yes
TIME HISTORY ANALYSIS OF THE MULTISTORY	DOREDLA NAGARAJU	International Journal of Pure and Applied Ma	2018	20	0	Yes

		thematics				
BUILDING WITH AND WITHOUT MASONRY STRUCTURE SHEAR WALL FOR VARIOUS SEISMIC ZONES						
AN EXPERIMENTAL STUDY ON MECHANICAL PROPERTIES OF SELF CURING CONCRETE	K.V. PRATAP	International Journal of Engineering Research	2019	20	0	Yes
Defluoridation of water with Environmental waste materials"	Dr. G.Babu Rao	International Journal of Civil Engineering and Technology(Scopus Index Journal)	2019	0	0	Yes
Preparation of base map for NEC campus geotagging of electrical poles by using total station GPS	D.Nagaraju	International Research Journal of Engineering and Technology (IRJET)	2019	0	0	Yes
An experimental study on partial replacement of perlite and GGBS with cement in ternary blended concerte	K.N.Lakshmaiah	INTERNATIONAL JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATIONS IN TECHNOLOGY	2019	0	0	Yes
An experimental study on mechanical and	K.N.Lakshmaiah	International Journal of Innovative Research	2019	0	0	Yes

durability properties of blended concrete with M30 grade		in Science ,Engineering and Technology				
A Pilot Strength Studies on Granite Powder and Silica Fume Based Concrete.	V.Ramanjaneyulu	International Journal of Innovative Technology and Exploring Engineering(Scopus Index Journal).	2019	0	0	Yes
Application of Water Quality Index (WQI) for Assessment of Groundwater Quality in Narasaraopet Mandal of Guntur District, Andhra Pradesh, India	Dr.G. Babu Rao	International Journal Of Engineering Research Technology	2019	2	0	Yes
Comparative response spectrum and time history analysis of G 17 RC Frame on Zone III in India	K. V. Pratap	International Journal of Science and Research	2019	4	0	Yes
Analytical Investigations Of Aligned And Hall Effects On Unsteady Free Convection Flow Past An Accelaration Inclined	Dr.G. Dharmaiah	International Journal of Mechanical and Production Engineering Research and Development	2018	9	0	Yes

Plate						
Some results on derivations in m?groups	Dr.Shaik Mohiddin Shaw	International journal of pure and applied Mathematical Sciences	2018	0	0	Yes
Inverse Domination In Fuzzy Graphs	Dr.Shaik Mohiddin Shaw	International journal of pure and applied Mathematical Sciences	2018	0	0	Yes
A Study On Mhd Boundary Layer Flow Rotating Frame Nanofluid With Chemical Reaction	Dr.G. Dharmaiah	Frontiers in Heat and Mass Transfer	2019	16	0	Yes
A Study On Al2O3H2ONanofluid In The Presence Of Constant Heat Source	Dr.G. Dharmaiah	International Journal of Mechanical and Production Engineering Research and Development	2019	9	0	Yes
Viscous Dissipation Effect On Transient Aligned Magnetic Free Convective Flow Past An Inclined Plate	Dr.G. Dharmaiah3	Frontiers in Heat and Mass Transfer	2019	16	0	Yes
Electronic structure and magnetic properties of cubic perovskite PrFeO3 and NdFeO3: A	Dr.K. Ephraim Babu	AIP Conference Proceedings, American Institute of Physics	2018	0	0	Yes

firstprinc iples study Electronic structure and Magnetic properties of Cubic Perovskite PrFeO3 and NdFeO3: A firstprinc iples Study						
Investigat ion of the physical and electr ochemical properties of LilaxMn 2xO3.85 cathod metirials	Dr.K. Ephraim Babu	Physica B: Condensed Matter	2019	397	0	Yes
Effect of Zn-Cr subs titution on the str uctural, magnetic and electrical properties of magnesium ferrite materials	Dr.K. Ephraim Babu	Physica B: Condensed Matter	2019	397	0	Yes
Synthesis, Characteri zation and Electroche mical Properties of a Fluor ideSubstit uted Spinel LiMn2O4 Cathode Material	Dr.K. Ephraim Babu	Journal of the Korean Physical Society	2019	42	0	Yes
Analytical study of sio2water based nano fluid flow	Dr.G. Dharmaiah	Internatio nal Journal of Mechanical and	2019	9	0	Yes

in a rotating frame with thermos phoresis		Production Engineering Research and Develo pment				
Effects Of Radiation And Radiation Absorption On Unsteady Mhd Flow Past A Vertical Porous Flat Plate In A Rotating System With Chemical Reaction In A Nanofluid	Dr.G. Dharmaiah	International Journal of Advanced Trends in Computer Application sInternati onal Journal of Advanced Trends in Computer Application s	2019	0	0	Yes
IDENTIFICA TION OF GR OUNDWATER FEASIBLE SITES IN ERRAVAGU SUBBASIN OF GUNTUR DISTRICT, ANDHRA PRADESH USING GEOP HYSICAL AND GEOSPATIAL METHODS"	G.BABU RAO	International Journal of Pure and Applied Ma thematics	2018	20	0	Yes
IDENTIFICA TION OF GR OUNDWATER FEASIBLE SITES IN ERRAVAGU SUBBASIN OF GUNTUR DISTRICT, ANDHRA PRADESH USING GEOP HYSICAL AND GEOSPATIAL METHODS"	S.KANAKAMB ARA RAO	International Journal of Pure and Applied Ma thematics	2018	20	0	Yes

"DEMARCATION OF GROUNDWATER RECHARGE ZONES IN PUDUCHERRY USING ELECTRICAL RESISTIVITY METHOD	K.ANIL KUMAR	International Journal of Pure and Applied Mathematics	2018	20	0	Yes
Preparation of base map for NEC campus geotagging of electrical poles by using total station GPS	G.BABU RAO	International Journal of Pure and Applied Mathematics	2018	20	0	Yes
WATER PERMEABILITY, POROSITY AND COMPRESSIVE STRENGTH OF HIGH PERFORMANCE CONCRETE	K.VENKATESH	International Journal of Pure and Applied Mathematics	2018	20	0	Yes
WATER PERMEABILITY, POROSITY AND COMPRESSIVE STRENGTH OF HIGH PERFORMANCE CONCRETE	K.V. PRATAP	International Journal of Pure and Applied Mathematics	2018	20	0	Yes
Left ventricular wall deformation of CMR images using statistical analysis	A V Nageswararao	Biomedical Research (2019) Volume 30, Issue 4	2019	16	0	Yes
"Tribological studies of Albased metal matrix composite reinforced	B Venkata Siva	Int. J. Materials Engineering Innovation	2018	8	0	Yes

with Al20Cu10Mg ternary alloy using Taguchi technique"					

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Presented papers	4	13	0	0
Resource persons	1	2	0	0
Attended/Seminars/Workshops	13	161	0	0

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil	Concret Cube Testing	Dr.Kodela Siva Prasad stadium	1000
Civil	Concret Cube Testing	Vijay nirman company pvt ltd	1500
Civil	Mix Design Testing	A.P Tourism development	14500
Civil	Concret Cube Testing	Kotapakonda Ropeway Project	1000
Civil	Concret Cube Testing	FABCON	2000
Civil	Concret Cube Testing	AB contractors	1000
CSE	Exam Center	TCS PREP4	8334
CSE	Exam Center	AP DSC	60810
CSE	Exam Center	AP DSC	128700
CSE	Exam Center	NSEIT(RPF)	188400
CSE	Exam Center	AP EAMCET	141219
CSE	Exam Center	AP ECET	47445
CSE	Exam Center	AP ICET	29981
CSE	Exam Center	JEE MAINS	72138
ECE	Maintenance of Metal Detector and Diverter	M/S Mittapalli Spinners Limited, Narasaraopet	20000
ECE	Calibration of Auto levels in RSB	M/S Mittapalli Spinners Limited,	20000

		Drafdance	Narasaraopet	
MECH	Stir Casting Machine	Tirumala engineering college Dr.V.V.Kondaiah	1500
MECH	Stir Casting Machine	BapatlaEngg College Dr.T.Nancharaiah	3000
MECH	Stir Casting Machine	C.B.I.T Hyderabad	6000
MECH	Stir Casting Machine	V.V.I.T Nambur	1500
MECH	Maintenance of FLAT waste compactor	M/S Mittapalli Spinners Limited, Narasaraopet	20000
MECH	Pneumatic Air conservation Auditing and analysis Reports	M/S Mittapalli Spinners Limited, Narasaraopet	10000
EEE	Hormonic analysis in ring frame section, Auto Corner and Blow Room	M/S Mittapalli Spinners Limited, Narasaraopet	20000
EEE	Maintenance and servicing of lightening arresters in factory	M/S Mittapalli Spinners Limited, Narasaraopet	20000
CIVIL	Drainage system analysis and layout in AB Operators colony	M/S Mittapalli Spinners Limited, Narasaraopet	20000

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
CSE	Project Training	JSquare Technologies	220000	20

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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Participation in National Integration Camp	NSS unit with STEP Guntur	2	10
Issue of Driving	NSS Unit with RTO	6	26

License	Office, Narasaraopet		
Kotappa konda Hill festival	AP Tourism	6	56
Awareness on SSC public examination	ULLAS Trust, Hyderabad	6	40
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
App development for Kotappakonda Hill festival	Appreciation	AP government	56
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Participation in National Integration Camp	NSS Unit with STEP, Guntur	Participation in National Integration Camp	2	10
Swacha Bharat Program	NSS unit	Swacha Bharat Program	6	75
Blood Donation Program	Narasaraopeta Blood Bank	Blood Donation Program	6	52
Issue of Driving License	NSS unit with RTO office, NRT	Issue of Driving License	6	26
Cleanness of Drinking	NSS unit	Chlorination program	6	60
Plantation	NSS unit	Plantation	6	54
Awareness on SSC public examination	NSS Unit with Ullas trust, HYD	Awareness on SSC public examination	6	40
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Training on ARC1.0	Dr.S.B.venkatasiva	NEC Management	9
Training on ARC1.0	Sk Zuber basha	NEC Management	9
SVM(Silicon Valley Meetup2019, Stanford UniversityUSA	Cheedella Goutham	NEC Management	5

SVM(Silicon Valley Meetup2019, Stanford UniversityUSA	Achyuta Surya Teja	NEC Management	5
SVM(Silicon Valley Meetup2019, Stanford UniversityUSA	Potti Venkata SaiKiran Rama koteswararao	NEC Management	5
SVM(Silicon Valley Meetup2019, Stanford UniversityUSA	Sudanapalli Sai Srinivas Revanth	NEC Management	5
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	Edufic	21/11/2018	19/03/2019	MULSA GOPI
Internship	Internship	BSCPLBEKEMRE (JV)	01/04/2018	31/05/2018	S.SAI KRISHNA
Internship	Internship	SNS	01/04/2018	30/06/2018	B.CHINA KONDAIAH
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	VEDANTHAM SESHA SAI GOWTHAM
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	ELURI VENKATA HARSHA PRIYA
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	ANNAPAREDDY SARIKA
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	REDDY LAKSHMI SUCHARITHA
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	NARAYANA LILA NAGA SUMALATHA
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	AVULA MONICA SRUTHI
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	SAI KUMAR JARUGUMALLI
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	ACHYUTA SUSHMA
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	AARE AMULYA
Internship	Internship	Indium	10/12/2018	09/01/2019	SHAIK

Internship	Internship	Software Sol			NASREEN
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	GALI KOWSIK REDDY
Internship	Internship	Edufic	19/11/2018	19/03/2019	KATIKALA MOUNIKA ANUSHA
Internship	Internship	Edufic	20/11/2018	19/03/2019	GUVVALA SRIKANTH
Internship	Internship	Edufic	22/11/2018	19/03/2019	KARNA MADHU SUDHAN REDDY
Internship	Internship	Capital One Services,LLC	10/12/2018	15/03/2019	BUTHUKURI TRIVENI
Internship	Internship	Colors Software	19/11/2018	30/04/2019	ADAPA TRIPURA SAI KEERTHI
Internship	Internship	Indium Software Sol	10/12/2018	09/01/2019	SOMU DIVYA NAGA MOUNIKA
Internship	Internship	Capital One Services,LLC	10/12/2018	15/03/2019	BUTHUKURI TRIVENI
Internship	Internship	CodeTantra Tech Solutions Pvt Lyd	19/11/2018	13/04/2019	MALLAVOLU PAVAN SAI
Internship	Internship	Teno soft Technologies	01/04/2018	01/06/2019	KANCHARLA SUPRIYA
Internship	Internship	Aspirevision tech education pvt ltd	13/05/2018	12/06/2019	ELLURI VENKATA VINEELA
Internship	Internship	Aspirevision tech education pvt ltd	14/05/2018	12/06/2019	KOLISETTY SUNANDHA
Internship	Internship	Aspirevision tech education pvt ltd	15/05/2018	12/06/2019	ARAVAPALLI BABY LAKSHMI SRUTHI
Internship	Internship	Factory	24/04/2018	22/06/2018	BANGARU VAMSIKRISHNA
Internship	Internship	CSA Software pvt ltd	25/04/2018	10/06/2018	ARAVAPALLI NAGALAKSHMI MANJULATHA
Internship	Internship	CSA Software pvt ltd	26/04/2018	10/06/2018	ANNAPAREDDY SARIKA
Internship	Internship	CSA Software pvt ltd	27/04/2018	10/06/2018	THATAVARTHI GOWTHAMI BALA
Internship	Internship	CSA Software pvt ltd	28/04/2018	10/06/2018	KORRAPATI MOUNICA

Internship	Internship	Edufic Digital Chennai	19/11/2018	19/03/2019	D.T.Sriharsha
Internship	Internship	Edufic Digital Chennai	19/11/2018	19/03/2019	Ch.Yaswanth
Internship	Internship	Edufic Digital	03/12/2018	03/03/2019	G.Victor Paul
Internship	Internship	Edufic Digital	03/12/2018	03/03/2019	M.Teja
Internship	Internship	Edufic Digital	03/12/2018	03/03/2019	N.Venkata Sai Sameer
Internship	Internship	Edufic Digital	26/11/2018	03/03/2019	Ch.Sai Lalith Chandra Anirudh
Internship	Internship	Edufic Digital	19/11/2018	19/03/2019	T.Venkata Rakesh
Internship	Internship	Edufic Digital	19/11/2018	28/02/2019	K.Narendra Nath
Internship	Internship	IGDC by APSS DCAmaravathi	27/07/2018	27/07/2018	REDDY LAKSHMI SUCHARITHA
Internship	Internship	IGDC by APSS DCAmaravathi	28/07/2018	28/07/2018	KARNA MADHU SUDHAN REDDY
Internship	Internship	MUC Technologies	15/06/2018	15/07/2018	YARRAPATHRUN I S V L N MANOJ SUKLA
Internship	Internship	HBots	11/06/2018	11/07/2018	KOTHAMASU B NAGA SAI KAVYA SRI
Internship	Internship	Indium Software India Limited Chennai	10/12/2018	09/01/2019	M.Srinivas
Internship	Internship	RASHRIYA ISPAT NIGAM LIMITED, VIZAG STEEL PLANT, VIASA KHAPATNAM	18/06/2018	30/06/2018	MOHAMMED KHAJA MOHIDDIN
Internship	Internship	G.S ALLOY CASTING LIMITED (UNIT II),VILLAGE VIJAYAWADA	24/05/2018	26/06/2018	MADALA BHASKAR VAMSIKRISHNA
Internship	Internship	BHARAT HEAVY ELECTRICAL LIMITED,HYD	20/05/2018	06/06/2018	D.RUDHVI, P. NAGARJUNA,R. VENKATESH

Internship	Internship	G.S ALLOY CASTING LIMITED (UNIT II),SU RAMPALLI VILLAGE VIJAYAWADA	21/05/2018	22/06/2018	K.VAMSEE KRISHNA PRAS AD,G.ANIL KUMAR
Internship	Internship	BHARAT HEAVY ELECTRICAL L IMITED,HYDER ABAD	21/05/2018	04/06/2018	I.PREM KUMAR,M.ANIL KUMAR
Internship	Internship	G.S ALLOY CASTING LIMITED (UNIT II),SU RAMPALLI VILLAGE VIJAYAWADA	21/05/2018	22/06/2018	P.GOPI KRISHNA
Internship	Internship	RASHRIYA ISPAT NIGAM LIMITED, VIZAG STEEL PLANT, VIASA KHAPATNAM	18/06/2018	30/06/2018	CH.PRADEEP R EDDY,Y.VENKA TA SASIDHAR REDDY,M.TEJA ,T.S.YASWANT H
Internship	Internship	BHARAT HEAVY ELECTRICAL LIMITED,HYD	21/04/2018	04/06/2018	G.CHANDRA SEKHAR REDDY,N.GOPI ,M.SAI KRISH NA,U.NARESH BABU,B.VENKA TESH
Internship	Internship	KCP CEMENT FACTORY MARACHALA	16/05/2018	21/05/2018	SHAIK JANIBASHA
Internship	Internship	BHARAT HEAVY ELECTRICAL LIMITED,HYD	04/06/2018	20/06/2018	Y.VENKATASAI RAM
Internship	Internship	ITC LTD	03/06/2019	13/07/2019	AKULA MAHESH
Internship	Internship	APEX PVT LTD, HYDERABAD	03/06/2019	13/07/2019	AKULA SRAVANI
Internship	Internship	JOCIL LTD	03/06/2019	13/07/2019	ALLURU LOHITH JAYAKUMAR
Internship	Internship	MITRARISK MAANAGEMENT SERVICES PVTLTD.	03/06/2019	13/07/2019	BANDARU LAVANYA
Internship	Internship	KRISHNA DISTRICT MILK PRODUCERS	03/06/2019	13/07/2019	BELLAMKONDA SIVANJANEYUL U

Internship	Internship	INDIA BULLS, HYD	03/06/2019	13/07/2019	BHIMANADHUNI ASHOK
Internship	Internship	JOCIL LTD	03/06/2019	13/07/2019	BOINA SURESH
Internship	Internship	HINDUJA HOUSING FINANCE PVT LTD	03/06/2019	13/07/2019	BOLLA HARITHA
Internship	Internship	LINURS INDIA LTD	03/06/2019	13/07/2019	BUMGA PUNNAIAH
Internship	Internship	SRI DHANALAKSHMI COTTON RICE MILLS PVT LTD	03/06/2019	13/07/2019	CHANTI KRISHNA REDDY
Internship	Internship	HINDUSTAN COCA COLA BEVERAGES PVT LTD	03/06/2019	13/07/2019	CHILLARA KRISHNA TEJA
Internship	Internship	INVEST LEAF MANAGEMENT SOLUTIONS	03/06/2019	13/07/2019	DANDA SAI RAMA VISHNU GANESH
Internship	Internship	BIG BAZAR, GUNTUR	03/06/2019	13/07/2019	DODDI BASHA BABU
Internship	Internship	HERO MOTORS	03/06/2019	13/07/2019	DUSARI ANIL KUMAR
Internship	Internship	HERITAGE FOODS LTD ,HYDERABAD	03/06/2019	13/07/2019	GADDAM BABUMIYA
Internship	Internship	MODEL DAIRY PVT LTD	03/06/2019	13/07/2019	GATTUPALLI SAI CHAKRADHAR
Internship	Internship	KRISHNA DISTRICT MILK PRODUCERS	03/06/2019	13/07/2019	GOGISETTI MAHESH
Internship	Internship	ASIAN PAINTS	03/06/2019	13/07/2019	GUDIVADA LAVANYA
Internship	Internship	HINDUSTAN COCA COLA BEVERAGES PVT LTD	03/06/2019	13/07/2019	GUNJA KALAPANA
Internship	Internship	MADDI LAKSHMAIAH CO	03/06/2019	13/07/2019	GUNJI PRASANTH KUMAR
Internship	Internship	SANGAM DAIRY	03/06/2019	13/07/2019	JANGA SURESH
Internship	Internship	KOTAK SECURITIES	03/06/2019	13/07/2019	KOLLA ANIL GOPI
Internship	Internship	PRAKASAM MILK PRODUCERS	03/06/2019	13/07/2019	KONDA TRIVENI

		COMPANY LTD			
Internship	Internship	RELIGARE	03/06/2019	13/07/2019	KONDRAMUTLA SAIMAHENDRA
Internship	Internship	DBFS SECURITIES LTD	03/06/2019	13/07/2019	KORRAPATI SRILAKSHMI
Internship	Internship	COROMANDAL INTERNATIONAL LTD	03/06/2019	13/07/2019	KOTHA SAI VINOD
Internship	Internship	BEKEM INFRA PROJECTS PVT LTD	03/06/2019	13/07/2019	KOYYALAMUDI HIMABINDU
Internship	Internship	MITRARISK MAANAGEMENT SERVICES PVTLTD.	03/06/2019	13/07/2019	KURRI LAKSHMI
Internship	Internship	TIRUMALA MILK PRODUCTS PVT LTD	03/06/2019	13/07/2019	MARIBOYINA NALINI
Internship	Internship	LINERS INDIA LTD	03/06/2019	13/07/2019	MODALA ASHOK KUMAR
Internship	Internship	VEDA SEED SCIENCES PVT LTD	03/06/2019	13/07/2019	MOGAL JOHN BASHA
Internship	Internship	KARVY STOCK BROKING LTD	03/06/2019	13/07/2019	MUNIPALLI RAJENDRA
Internship	Internship	RAMKY INFRA	03/06/2019	13/07/2019	NAKKA VEERAIAH
Internship	Internship	KALPATARUV SPINNING MILLS LTD	03/06/2019	13/07/2019	NAMBURI KRISHNA REDDY
Internship	Internship	TULASI SEEDS PVT LTD	03/06/2019	13/07/2019	OBURI SATISH
Internship	Internship	LINERS INDIA LTD	03/06/2019	13/07/2019	PABBISETTY SATYA VENKATA MEGHANA
Internship	Internship	APEX PVT LTD, HYDERABAD	03/06/2019	13/07/2019	PALVADI ALEKHYA
Internship	Internship	JOCIL LTD	03/06/2019	13/07/2019	PILLI KAVYA
Internship	Internship	HERITAGE FOODS LTD ,HYDERABAD	03/06/2019	13/07/2019	SANAGAVARAPU PAVANI
Internship	Internship	JSW STEEL, SECUNDERABAD	03/06/2019	13/07/2019	SARPUDI VAMSI KIRAN
Internship	Internship	NANO POLYMERS INDIA PVT	03/06/2019	13/07/2019	SHAIK ANWAR BASHA

		LTD			
Internship	Internship	APEX PVT LTD, HYDERABAD	03/06/2019	13/07/2019	SHAIK MAHABOOB SUBHANI
Internship	Internship	HERITAGE FOODS LTD ,HYDERABAD	03/06/2019	13/07/2019	SHAIK MUBEENA
Internship	Internship	HDFC BANK	03/06/2019	13/07/2019	SHAIK SUBHANI
Internship	Internship	TULASI SEEDS PVT LTD	03/06/2019	13/07/2019	TELAGAMSETTI HARISH BABU
Internship	Internship	SRI SITA RAMA DAIRY PVT LTD	03/06/2019	13/07/2019	THALLURI SUDHA LAHARI
Internship	Internship	ICICI BANK HYDERABAD	03/06/2019	13/07/2019	THOTA BHAGYA LAKSHMI
Internship	Internship	G.S. ALLOY CASTINGS LTD	03/06/2019	13/07/2019	TIRIVEEDHI DHANA LAKSHMI
Internship	Internship	SANGAM DAIRY	03/06/2019	13/07/2019	TULLIMILLI VASUDEVA YADAV
Internship	Internship	NET WORTH DIRECT	03/06/2019	13/07/2019	UPPALAPATI SIVA RAMAKRISHNA
Internship	Internship	APEX PVT LTD, HYDERABAD	03/06/2019	13/07/2019	VADDULA PARVATHI
Internship	Internship	COROMANDAL INTERNATIONAL LTD	03/06/2019	13/07/2019	VANKA LAKSHMI SIVA PARVATHI
Internship	Internship	HERITAGE FOODS LTD ,HYDERABAD	03/06/2019	13/07/2019	VEERLA KOTESWARA RAO
Internship	Internship	ANDHRA BANK, VIJAYAWADA	03/06/2019	13/07/2019	YANGALA MANOHAR BABU
Internship	Internship	BHARATHI CONSUMER CARE PVT LTD	03/06/2019	13/07/2019	YEKKALA NAGA LAKSHMI
Internship	Internship	KRISHNA MURTHY SPINNING MILLS PVT LTD	03/06/2019	13/07/2019	SIRIGIRI SURESH KUMAR
Internship	Internship	EDLOGIX	03/06/2019	13/07/2019	BHAVANAM VENKATA THULASI
Internship	Internship	JOCILLTD	03/06/2019	13/07/2019	DEVARLA PAVAN KUMAR
Internship	Internship	TIRUMALA	03/06/2019	13/07/2019	DAMMU

		MILK PRODUCTS PVT LTD			VINODKUMAR
Internship	Internship	SOVERIGN AGRI INDUSTRIES	03/06/2019	13/07/2019	MARRI POTU RAJU

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
European Centre for Mechatronics, RWTH University, Germany in association with APSSDC	14/09/2018	For introducing courses on Advance Robotics.	83
SKY BRIDGE SOLUTIONS PVT.LTD, HYDERABAD	01/02/2019	For improving the standards in engineering education	40
MITTAPALLI SPINNERS LIMITED, NARASARAOPET	01/02/2019	To impart practical knowledge on industry	80
EFFTRONICS SYSTEMS PVT.LTD, VIJAYAWADA	01/02/2019	To bridge the gap between industry and academia	50
INVOIES CONSULTING PVT LTD, HYDERABAD	01/02/2019	For enhancing the engineering education on	110
HEBEON TECHOLOGIES, HYDERABAD	01/02/2019	For improving the standards in engineering education	150
APSSDC and European Centre for Mechatronics, Germany, at AP Secretariat, Amaravathi on	01/03/2019	In order to improve soft skills	40
JSquare Technologies, Hyderabad, TS.	01/01/2019	To cooperate and focus their efforts on Corporates with in area of skill based training, Education and Research	60
New Mexico State University	01/11/2018	For improving the standards in engineering education.	6

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
550	513.13

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIPSYS	Fully	7.0	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	46504	10034807	2500	750000	49004	10784807
Reference Books	7392	1632556	1250	91526	8642	1724082
e-Books	1500	13750	250	11500	1750	25250
Journals	132	229200	5	11000	137	240200
e-Journals	550	1107512	250	72000	800	1179512
Digital Database	1	11500	1	0	2	11500
CD & Video	1500	15000	500	5000	2000	20000

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1114	23	1114	2	4	10	20	64	0
Added	70	2	70	0	0	0	0	0	0
Total	1184	25	1184	2	4	10	20	64	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

146 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
60	52.9	240	211.39

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

The institution obtains the necessary requirements of class rooms, laboratories and other infrastructural resources from each HOD well before the beginning of the academic year. After validation of the requirements in IQAC the available resources are allocated to each department. Any new facility to be constructed / acquired is provided by the management before the semester begins. Wherever there exists a situation that a facility (a laboratory) is required by more than one department suitable adjustments in the time table would make the optimal use of the laboratory a possibility. Renovation of older blocks and modernization of laboratories have been done to meet the ever changing academic requirements. The institution has a permanent manager to take care of all the construction work, be it add on constructions or maintaining the existing ones. The buildings are maintained for their upkeep and repairs on a regular basis. The house keeping team regularly maintains the buildings, corridors and other places clean and tidy. The wash rooms are maintained by a team on a regular basis to maintain their usability. The Departments managed by their heads are responsible for maintaining the laboratory equipment for their operational conditions. The institution has a dedicated hard ware team headed by HOD CSE to oversee the procurement, maintenance, repairs and replacement of equipment like computers, laptops, projectors and others in the domain area of information technology across the institution. Every year intramural sports will be

conducted and winners will be given prizes and medals for all the events. On the occasion of JUBILATION national level sports meet will be conducted.

https://www.nrtec.ac.in

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nill	0	0
Financial Support from Other Sources			
a) National	State Government tution fee reinbursement scheme	2520	94777000
b)International	Nill	0	0
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
workshop on "Embedded system"	30/08/2018	30	APSSDC
guest lecture on Finite Element Methods	18/07/2018	206	YuCan Technologies, Bangalore
work shop on Non Destructive Evaluation	20/07/2018	96	BITS, Vizag
training program on ROBCAD	04/09/2018	30	APSSDC
work shop on Heat Ventilation and Air Conditioning	18/09/2018	90	Acton Engineers Pvt. Ltd
Seminar on Advanced Welding Technologies	29/09/2018	240	IIW, Vizag Chapter
work shop on Embedded Systems	16/07/2018	200	APSSDC
work shop on Scilab	23/08/2018	180	APSSDC
Seminar on Applications of DSP VLSI	05/09/2018	220	Doordarshan, Machilipatnam
Seminar on Data Sciences	15/09/2018	200	Free Software Movement of India
Guest lecture on Emerging	06/07/2018	180	Expedia, Noida

Technologies			
Code Vita training program	18/07/2018	200	Hebeon Technologies
workshop on AWS Technical Essentials	25/07/2018	100	APSSDC
workshop on Cyber Security	11/09/2018	90	APITA
workshop on Google Android Developer Fundamentals	20/09/2018	80	APSSDC
training program on ETabs software	17/12/2018	50	Expert from PUNE
work shop on Python	13/12/2018	60	APSSDC
work shop on Big data and Machine Learning	05/11/2018	80	In House and experts from other institutions
work shop on Deep Learning and Computer Vision with Python Programming	23/11/2018	100	CHARUSAT and Raksha Shakti University
work shop on Coursera certification on Python	27/11/2018	30	APSSDC
work shop on Google Udacity and Android Nano Degree Certification	27/11/2018	30	APSSDC
Seminar on Groundwater Management	08/01/2019	80	AP state Ground water Department
training program on AUTOCAD	21/01/2019	30	APSSDC
workshop on Power Electronics and Drive Applications	11/02/2019	30	APSSDC
Work shop with Hands on Training on Design Thermal Systems	11/02/2019	60	Acton Engineers Pvt Ltd -Hyderabad
Work shop with Hands on Training on NonDestructive Testing	13/02/2019	30	BITS Vizag
Work shop with Hands on Training on Robotics	11/02/2019	30	Skyfi Labs Bangalore
workshop on	10/01/2019	30	APSSDC

Mathematical operations with Scilab			
guest lecture on Advanced wireless communications	16/02/2019	180	IEEESBC(IES)
guest lecture on Global Navigation Satellite System and its applications	02/02/2019	30	IETESFISF
workshop on important topics in EM waves and Transmission Lines	11/03/2019	150	Expert from outside
workshop on important topics in Digital Signal Processing	14/03/2019	160	Expert from outside
work shop on Microsoft Azure Cloud	19/02/2019	200	Computer Society of IndiaCSI student chapter
work shop on Financial Markets and Products	27/02/2019	120	Karvy Stock Broking Ltd. Hyderabad
Workshop on Python for Beginners	13/05/2019	120	In House
Workshop on Scilab	04/05/2019	50	IIT Bombay
[View File](#)			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	GATE coaching	50	0	0	0
2019	CRT	890	0	0	852
2019	Career councelling	0	300	0	0
[View File](#)					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
43	890	748	8	315	104

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	EEE	ACHARYA NAGARJUNA UNIVERSITY	M.E
2019	1	B.Tech	EEE	JNTU VIJAYAN AGARAM	M.E
2019	1	B.Tech	CSE	NJIT	M.S
2019	1	B.Tech	CSE	CQ Univercity Australia	M.S
2019	1	B.Tech	CSE	JNTU KAKINADA	M.Tech
2019	4	B.Tech	CIVIL	JNTU KAKINADA	M.Tech
2019	6	B.Tech	ECE	JNTU KAKINADA	M.Tech
2019	2	B.Tech	MECHANICAL	JNTU KAKINADA	M.Tech
2019	1	B.Tech	MECHANICAL	Ovgu Magdeburg UniversityGERMANY	M.S

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	25
GATE	3
GRE	6

View File

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
JUBILATION 2K19 ANNUAL DAY SPORTS CELBRATIONS	National	280

Intramural competitions during Tech fest	College level	220

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	2nd PLACE (VOLLEYBAL L)	National	1	0	17471A0332	SARIMALLA KAMALAKUMA R
2019	2nd PLACE (KABADDI)	National	1	0	16471A0352	SAI KRISHNA THOTA
2018	1st PLACE (KABADDI)	National	2	0	16471A0352	SAI KRISHNA THOTA
2018	Silver Medal	National	1	0	16471A04D1	A.V.NAGA SRAVANI
2018	2nd PLACE	National	1	0	16471A0352	SAI KRISHNA THOTA
2018	Bronze Medal	National	1	0	16471A0110	A.DINESH KUMAR REDDY
2018	FIRST PLACE (KAT AS(KARATE)	National	1	0	17471A0167	A.SAIDULU
2018	2nd PLACE SPIRING(KA RATE	National	1	0	17471A0167	A.SAIDULU
2019	1st PLACE (VOLLEYBAL L)	National	1	0	17471A0332	SARIMALLA KAMALAKUMA R
2019	2nd Place (Basket ball)	National	1	0	16475A0331	D.V. L.Siva Kishore
2019	1st PLACE (KABADDI)	National	1	0	16471A0352	SAI KRISHNA THOTA

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Class review committee: Students will be representing the syllabus coverage, feed back and other academic problems to the committee. IQAC members: Students will be nominated as IQAC members and suggestions will be considered for improving the quality in education. Innovation cell: Students in the cell conducts various innovative programs in every year. Entrepreneurship

Development Cell: Students are actively participated in entrepreneurship awareness camp and workshops. Women empowerment cell: All the women students will be discuss with their problems on periodical basis. Bhuvana Vijayam club: Extra curricular activities will be organized by this cell. Painting and photography club: workshops will be conducted to elicit the art of students on world photography day and also to motivate the students for painting drawing classes will be conducted with external art master. Models and Prototype club: workshops are organizing to develop idols with waste materials in the occasion of vinayaka chavithi. Dance Club: For entertainment of the students dance club is actively organizing different training sessions and programs for identifying the best performer in the dance and culture. The institution has a practice of identifying student representatives for each class and nominates them to the student council. The members from this council are adopted for different administrative bodies. The council is responsible for conduct of any activity in the campus including curricular, cocurricular and extracurricular activities. The activities of the council would be supported by the participation of all the faculty members. The required funding for conduct of such events is met by the management of the institution. The institution has staffstudent consultant committee to discuss and solve problems related to academic, cocurricular activities, extracurricular activities, industry interaction and research.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

1161

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet at Hyderabad on 19052019

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Various different committees at institutional levels and departmental levels are responsible for planning and executing many operational procedures in the institution. The institution firmly believes that achievement of quality is every employee's business and everyone in the institution has a stake in contributing towards achievement of excellence. Every employee at all levels has an opportunity to contribute his/her innovative ideas leading to improved processes and hence higher quality results. This is achieved through the committees operating at strategic (AC / GOB and Principal), midlevel (Deans and HODs) and operational (Departments and cells) levels of management.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):	
Strategy Type	Details
Curriculum Development	being an Autonomous Institution the curriculum is designed by considering the industry requirements. More elective subjects are introduced in respective departments to reduce the gap between academic institutions and industries. Open electives and mandatory courses are introduced in the curriculum. However, new topics are delivered by conducting guest lectures and workshops.
Teaching and Learning	The Teaching and Learning process is conducted as per the University regulations. However, the following measures are taken for the benefit of students. Tutorial/Remedial classes are conducted for the slow learners based on their performance in external exams and after the first internals. Students are motivated regularly for better performance in theacademics and for higher studies and university ranks. Technical quizzes are conducted for the students. Industrial visits are conducted at least once a year to reduce the gap between industry and institute. Workshops are organized to help the students to understand concepts beyond curriculum. Identification of bright and weak students is done and the weak students are motivated to attend remedial classes. Bright students are encouraged to attend more workshops, conferences and contests GATE classes are conducted for the GATE aspirants.
Examination and Evaluation	The Examination and Evaluation is conducted as per the Autonomous regulations
Research and Development	RD Cell is established in the Engineeringdepartments to promote research activities among faculty and students. The faculty members and students regularly publish research papers in national and international journals and present papers in national and international conferences
Library, ICT and Physical Infrastructure / Instrumentation	The departments are provided with department library in addition to the main library facility, where students can read the books after the college timings. The class rooms are provided with LCD projector facility. Also,

	seminar hall is provided with LCD projector for the demonstration of videos and for the discussion on content beyond syllabus.
Human Resource Management	The college always maintains AICTE norms with respect to faculty members and nonteaching staff. As and when there are vacancies, recruitment is done to maintain the required ratios of faculty members and nonteaching staff
Industry Interaction / Collaboration	Experts from industry are members in the academic committees of the departments. MOUs are signed with the industries for the mutual benefits.
Admission of Students	The admission of students is conducted as per the norms prescribed by the A.P. state Govt

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Finance and Accounts	Fee collection and other related payments are done through online (Digital transaction).
Student Admission and Support	Admission procedure is done through BEES software. Student attendance, marks are communicated through SMS.
Examination	Exam fee collection,generation of hall tickets, preparation of seating plan, declaration of results and printing of mark sheets etc are done through BEES software.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr.S.B.venkatasiva	Training on ARC1.0	Management	119000
2018	P.SureshBabu	workshop on "Entrepreneurship workshop on Venture Development Ready stage	Management	2000
2018	Sk.G.sharief P.Narasimharao	"Computer Aided Metrology", workshop	Management	2940
2019	P.Srinivasa Rao	FDP on Student induction	Management	450

2019	Dr.A.V.Nageswararao	ICECEIC 2019	Management	8800
2019	Sk Zuber Basha	Training on ARC1.0	Management	119000
2019	Dr.S N Tirumala Rao	2nd ICCODE2019	Management	2500
2019	Dr.K.LakshmiNadh	2nd ICCODE2019	Management	2500
2019	Dr. S.V.N Srinivasu	2nd ICCODE2019	Management	2500
2019	Dr. K.Uma Pavan Kumar	2nd ICCODE2019	Management	2500
2019	Dr.S. Siva Nageswara Rao	2nd ICCODE2019	Management	2500
2018	M.Chandra Sekhar	IIEECP Workshop	Management	2500
2018	J.Sunil Babu	Industry practices in Power system Engineering	Management	2000
2018	G.Nagaraju	Industry practices in Power system Engineering	Management	2000
2019	K.V.Pratap	2nd International Conference on Recent Trends in Arts, Science, Engineering Technology (ICRTASET2019)	Management	3000
2018	K. Sreenivasulu	IUCEE International engineering Educator Work shop	Management	2500
2018	Dr.G.Dharmaiah	Advances in Graph theory with Applications to Network Sciences	Management	3000
2019	Dr. Y. Siva Reddy	national conference on " TechnoManagement"	Management	3000
2019	I. Sridhar	national conference on " Multidisciplinary Research In	Management	3000

	Social Sciences and Management Studies"	

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	5Day Short Term Training Program on "NBA Accreditation"	5Day Short Term Training Program on "NBA Accreditation"	24/04/2019	26/04/2019	60	10
2019	1Day workshop on MOODLE Learning Management System	1Day workshop on MOODLE Learning Management System	15/03/2019	15/03/2019	50	5
2019	5Day Short Term Course on "Communication Skills"	5Day Short Term Course on "Communication Skills"	11/02/2019	15/02/2019	50	5
2018	One Day Workshop on "Koha and Library Automation"	One Day Workshop on "Koha and Library Automation"	12/10/2019	12/10/2019	10	5
2019	seminar on IPR and Patents		07/06/2019	07/06/2019	100	0
2018	Outcome Based Education (OBE)		10/07/2019	10/07/2019	200	0

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
OneDay Seminar	25	29/09/2018	29/09/2018	1

Advance in Welding Technologies				
A Guest Lecture on Finite Element Analysis	20	18/07/2018	18/07/2018	1
FDP on Optimization using MAT Lab	50	27/08/2018	31/08/2018	5
3D PRINTING TECHNOLGY WITH HANDS ON TRAINING	25	22/07/2018	27/11/2018	5
FDP on Industry 4.0	60	23/01/2019	25/01/2019	3
A Five Day Short Term Course on Embedded Systems	35	19/03/2018	23/03/2018	5
Workshop on Artificial Intelligence and Deep Learning	35	23/11/2018	24/11/2018	2
A Five Day Short Term Course on Biomedical Signal Processing through ICT	60	16/07/2018	20/07/2018	5
A Short Term Course on Digital System Design (Training Programme through ICT) in association with NITTTRChandigarh	60	28/01/2019	01/02/2019	5
A Short Term Course on Wireless Propagation (Training Programme through ICT) in association with NITTTRChandigarh	60	25/02/2019	01/03/2019	5

A Short Term Course on Recent Trends in Biomedical Instrumentation (Training Programme through ICT) in association with NITTTRChandigarh	60	25/03/2019	29/03/2019	5
A One Day Workshop on Scilab was conducted through IIT Bombay remote centre	35	04/05/2019	04/05/2019	1
A Two Day Workshop on Python for Beginners	35	13/05/2019	14/05/2019	2
A Five Day FDP on IoT Application Development using Advanced Processors	35	03/06/2019	08/06/2019	5
5Day FDP on "Deep Learning Application"	35	27/05/2019	31/05/2019	5
5Day FDP on "Data Science Big Data Analytics"	35	23/04/2019	28/04/2019	5
Swecha Freedom Fest	60	01/03/2019	02/03/2019	2
2Day Workshop on "Microsoft Azure Cloud"	35	19/02/2019	20/02/2019	2
5Day Short Term Training Program on "Problem Based Learning"	35	11/02/2019	15/02/2019	5
2Day Workshop on "Python Fundamentals and Implementation of Numerical Methods"	35	08/02/2019	09/02/2019	2
5Day Short term	50	17/12/2018	21/12/2018	5

course on "AI and Machine Learning"				
5Day Short Term Course on "Open Source Technologies"	30	03/12/2018	07/12/2018	5
2Day Workshop on "Deep Learning in Computer vision with Python Programming"	50	23/11/2018	24/11/2018	2
5day Workshop on "Bigdata and Machine Learning"	30	05/11/2018	10/11/2018	5
One Day FDP on "Software Development Methodologies"	30	03/11/2018	03/11/2018	1
6Day Workshop on "GOOGLE ANDROID DEVELOPER FUNDAMENTALS"	30	20/09/2018	27/09/2018	6
3Day Workshop on "Cyber Security"	30	11/09/2018	14/09/2018	3
6Day Workshop on "GOOGLE ANDROID DEVELOPER FUNDAMENTALS"	30	11/09/2018	18/09/2018	6
"Programming for Controllers through MATLAB"	20	01/05/2018	05/05/2018	5
"Industrial Automation"	20	23/04/2018	27/04/2018	5
Smart Grid and Distributed Generation Technologies	20	07/01/2019	11/01/2019	5
A one week training Programme on ETabs software	25	17/12/2018	22/12/2018	6
OneDay Seminar on Groundwater Management	25	08/01/2019	08/01/2019	1
Sustainable Environmental	25	28/01/2019	01/02/2019	5

Management				
		View File		

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	34	0	16

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
General Insurance for faculty members	EPF for non teaching staff	Fee concession for eligible students

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes, regularly the institution has conducting internal auditing every semester. External auditing has conducting in every year with external experts in education and auditors.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NEC College Management	162440	For conducting FDPs, Projects, Workshops
	View File	

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Two Professors from different colleges and universities	Yes	IQAC team
Administrative	Yes	Two Professors from different colleges and universities and one auditor	Yes	IQAC team

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parent teacher meeting is conducted and student progress is informed Daily SMS is sent to the parents of the student absentees Parents of students who have attendance shortage and academically weak are called to the college and informed of their wards performance.

6.5.3 – Development programmes for support staff (at least three)

Supporting staff are deputed for Skill Up gradation Programmes conducted by near by colleges. Training on new equipment, apparatus and softwares such as 3D printing, Mentor Graphics, BEES, MOODLE are provided to supporting staff supporting staff are trained and exposed to computer knowledge such as MS Office, Tally etc.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

• A new cricket ground, Football ground has developed in the campus for improving the sports facility to the students. • New titles are added in the Library book bank. • A new boy's hostel has constructed with a capacity of 300 in the campus. • Wifi facility is provided in the hostels. • Number of research publications are improved in qualified journals. • Many of the faculty members are upgraded their skills in new technology by attending FDP, NPTEL courses etc.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	seminar on IPR and Patents	07/06/2019	07/06/2019	07/06/2019	200
2019	NBA orientation classes	06/06/2019	06/06/2019	06/06/2019	200
2019	Short Term Training Programme on NBA Accredit ation	22/04/2019	22/04/2019	26/04/2019	60
2018	MOU with APSSDC and ECM Germany	14/09/2018	14/09/2018	14/09/2018	80
2018	Orientation on Outcome Based Education (OBE)	10/07/2018	10/07/2018	10/07/2018	200
[View File](#)					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants

			Female	Male

<div align="center">**No Data Entered/Not Applicable !!!**</div>

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
The Roof top Solar photovoltaic power plant installed in the area of about 1825 sq meters on the roof of the college. The SPV power plant with capacity of 200Kwp is used for meeting for the captive load requirements of college. The grid connected SPV project is demonstration to harness Renewable energy and reduce dependence on grid .The 200Kwp SPV power plant is estimated to generate 292MWH considering efficiency of the solar module as 16.49. Inverter /Power conditioning unit as 98.5,98.6 and Transmission losses at 100 grid availability. SPV has output of 200Kwp ,625 modules,20/19/18 modules in series and 20/9/3 Parallel combination . Inverter/Power conditioning unit model is RPI –M50A(2),RPIM30A(3) total 5 units Rated Capacity of AC is 30KVA,50KVA,Rated capacity of DC 37.5KWp,62.5KWP. input voltage range is 520800V DC output voltage is 400 20 AC frequency is 50hz/60hz Peak efficiency is 98.5,98.6. Grid connected with 440V,3ph,50hz .Annual energy generation is 292MWH, total cost of the plant is 1,23,00,000 (one crore and twenty three lacs)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	19/01/2019	2	Kotappa konda Hill festival	App developed to get online updates about the festival	62
2019	1	1	02/01/2019	1	SEEDAP training program	Training the poor and dropout students inorder to get jobs	51
2019	1	1	15/02/2019	2	Awareness on SSC	Awarness on ssc	46

					public examination	public examination

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Internatinal yoga day celebrations	21/06/2019	21/06/2019	120
Seminar On Personality Development by Yandamuri Veerendranath	28/09/2018	29/09/2018	500

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Energy Conservation • Awareness among the students and staff on energy conservation is created by displays at appropriate places. • Switching off all the electrical utilities whenever and wherever they are not required. • All the departments are equipped with appliances and equipment that consume low power. • The college has widespread arrangements for power distribution with a Control panel and Power room. Use of Renewable Energy • Steps are being taken for the utilization of solar power in the college campus • Solar plant has been installed in the campus with a capacity of 200 KW. • Solar car prepared by students as a live project is being used for internal mobility with in the campus. • Solar system is established for hot water facility at hostels. Water Harvesting • To minimize the wastage of water resources and to improve the water table, the rain water is led into the pond located in the campus. Efforts for Carbon neutrality • Care is taken to restrict vehicle entry into the campus and specific parking area is allotted for faculty and students. Green campus Plantation/Greening Drives • Dedicated horticulturist to develop adequate greenery on the campus. • 40 green covers on campus. • Plantation programme has been taken up by the NSS unit for increasing the Green Cover in the college and nearby villages. • The NSS unit regularly conducts awareness programmes on plastic free environment in and around the village.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best practices in teaching learning process • Value addition by certification programs as well as technology training is focused by various departments. • More Practical orientation is supported through Mini projects, Technical seminars. • Improved Membership in various professional bodies. • Improved class room facilities with ICT tools. • Incentives for research publications and encouraging the faculty for need based training. • Nurturing social responsibilities among students. • Conducting induction program for first years for a period of two weeks. Best practices in industry institute interaction • Practice of conducting Guest lectures, Industrial visits and Industrial training has been enhanced. • Industry Internship is encouraged for all students • MOU with reputed industries to train faculty and students on latest technologies. • Solar power generating system with a capacity of 200 KW is provided on the rooftop. Best practices in training and placement • Dedicated Entrepreneur development cell for motivating the students towards entrepreneurship. • Training on specialized soft skills and professional skills

during semester break and vacations for improving employability.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.nrtec.ac.in

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The performance of the institution is inline with vision. Technical Skill development centres are established in the institute to make qualitative improvements in Technical education on latest technologies such as Robotics, 3D printing, IOT, Big Data etc. to serve the needs of industries. This will promote research and skill up gradation among Faculty members and to improve employability opportunities of students. Applied Robot control Lab: Robotics lab is established with the association of European centre for Mechatronics, RWTH university, Aachen, Germany and APSSDC. Through this centre students from Mechanical, ECE and EEE were given training on Advance robotics. IOT Lab: This lab is established in the institution for promoting innovative ideas based on IOT technology. Students from ECE and CSE are regularly undergo training to develop IOT ideas.

Provide the weblink of the institution
http://www.nrtec.ac.in

8.Future Plans of Actions for Next Academic Year

• Undertaking funded R and D projects and consultancy works. • Planning to increase more number of MOUs with industries. • Increasing the number of journal and conference publications. • Preparing documentation for extension of NBA from July 2020 as per NBA guidelines. • Planning to apply for recolonization of JNTUK kakinada research center for MECH, ECE and CSE branches. • Planning to collaborate with foreign universities. • To promote entrepreneurship skills of students through venture development center. • Planning to have open library software. • Planning to organize more certificate courses, workshops, and short term courses. • Planning to increase the number participation in online certification courses such as SWAYAM NPTEL, MOOC'S Etc. • Improving the security and safety in the campus. • Adapting innovative teaching and learning methods • Organizing Campus Recruitment Training programs to the students to enhance their employability skills