



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		CHADALAWADA RAMANAMMA ENGINEERING COLLEGE
Name of the head of the Institution		Dr. S.Mallikarjunaiah
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08776451118
Mobile no.		9440847290
Registered Email		info@crectirupati.com
Alternate Email		principal.p1@jntua.ac.in
Address		Chadalawada Nagar , Renigunta Road, Tirupati
City/Town		Tirupati
State/UT		Andhra Pradesh
Pincode		517506

2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	06-Apr-2017																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Dr. J.Srinu Naik																		
Phone no/Alternate Phone no.	08776451118																		
Mobile no.	9491808141																		
Registered Email	creciqac@gmail.com																		
Alternate Email	srinu.instru@gmail.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://cre.tirupatihost.in/aqar/																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.crectirupati.com/pages/AcademicCalender/19-20.html																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>A</td> <td>3.11</td> <td>2018</td> <td>31-Dec-2018</td> <td>31-Dec-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	2	A	3.11	2018	31-Dec-2018	31-Dec-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
2	A	3.11	2018	31-Dec-2018	31-Dec-2022														
6. Date of Establishment of IQAC	08-Feb-2013																		
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																
sensitization program on	18-Aug-2019		112																

research funding opportunities for faculty members	01	
workshop on effective teaching through online mode for faculty members	14-Sep-2019 01	56
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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
nil	nil	nil	2020 0	0
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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 Sensitize faculty members on research funding opportunities 2 Training and preparing faculty for complete online teaching during covid19 lock down period 3 Short term training programme on IPR for faculty 4 Identify electronic resources for all the courses facilitate online teaching learning process 5 Create awareness for Patent, innovation technology and modern tools for online assignments

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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	Achievements/Outcomes				
1. As research forms important and academic components and since faculty members actively need to be engage R D activities IQAC propose to conduct programme on enhancing awareness on R D project opportunities and motive them further for Appling research funding	<ul style="list-style-type: none"> • 112 faculty members attend the programme conducted on 18/08/2019. . • Finally, 14th proposal submitted to AICTE/DST and outcome yet to be known. 				
2. Since Covid-19 pandemic has affected on campus teaching and learning process it was decided to drive all the faculty members for varying competence on various online teaching learning flatform.	Faculty members were trained on engaging classes through various on-line plat forms including collecting online attendance and conducting online exams extra. All the faculty members successfully conducted to class on second semester of 2019-20.				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="118 898 796 943">Name of Statutory Body</th> <th data-bbox="798 898 1476 943">Meeting Date</th> </tr> </thead> <tbody> <tr> <td data-bbox="118 945 796 999" style="text-align: center;">Institute Governing Body</td> <td data-bbox="798 945 1476 999" style="text-align: center;">02-May-2020</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Institute Governing Body	02-May-2020
Name of Statutory Body	Meeting Date				
Institute Governing Body	02-May-2020				
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	2020				
Date of Submission	02-Mar-2020				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	The institution currently employees institute wide integrated information system. Amongst all the modules, the examination unit, admissions, training and placement, pay roll and the library have been in extensive usage for monitoring and tracking. The information pertain into students and faculty members since the institution is the autonomous institution. The examination section has to handle different sets of academic regulations (such as R17, R19) and the necessary conduct off examinations, selection of				

valuers, consolidation of the internal and end semester marks and publications of results has been flawless as integrated information system has been supporting the same. It has been immensely useful to provide remote access of electronic accessories to student during COVID19 lockdown period as normal campus teaching learning activities was not possible. In addition to the above the integrated system supported the much needed online training programming for III year and IV year students preparing for the placement drive on also competitive admissions entrance examinations.

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
BTech	02	EEE	03/06/2019
BTech	03	ME	03/06/2019
BTech	04	ECE	03/06/2019
BTech	05	CSE	03/06/2019

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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
BTech	EEE	03/06/2019	02	26/08/2019
BTech	ME	03/06/2019	03	26/08/2019
BTech	ECE	03/06/2019	04	26/08/2019
BTech	CSE	03/06/2019	05	26/08/2019

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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
BTech	CSE	26/08/2019
BTech	ECE	26/08/2019
BTech	ME	26/08/2019
BTech	EEE	26/08/2019

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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
BTech	ME	26/08/2019
BTech	EEE	26/08/2019
BTech	ECE	26/08/2019
BTech	CSE	26/08/2019
MBA	Mangement Studies	18/06/2019
MCA	Computer Application	18/06/2019

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
0	Null	0
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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	EEE	42
BTech	ECE	45
MCA	Computer Applications	65
MBA	Management studies	112
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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
<p>The institute has three stages of compiling feedback from most of the stakeholders the feedback is compiling both online and offline and is doing analyzing to enhance efficiency and effectiveness of teaching learning process, utilization of resources and modifications in process extra. The feedback is collected periodically during the academic year at the departments level and is doing consolidated at the institute level. In addition to this informal feedback is also compiling by the faculty members during counseling hours and appropriate feedback action is under taken by the HOD department/Principal. The feedback from the faculty members is also compiled which is used to further strengthen teaching learning process at the end of each semester. The feedback is also collected while the students leave the institution on completion of graduation also feedback is collected from the alumni during the alumni meets.</p>

The feedback is also collected from parents while conducting parents meet. In addition to ,the feedback is collected from employees. The overall feedback is analyzed on institution performance has been very use full for continuous improvement.

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	EEE	60	Nill	17
BTech	ME	120	Nill	15
BTech	ECE	120	Nill	101
BTech	CSE	120	Nill	128
MBA	Management Studies	180	Nill	99
MCA	Computer Applications	60	Nill	32
Mtech	Computer Science & Engineering	36	Nill	13
Mtech	CAD/CAM	36	Nill	14
Mtech	VLSI System Design	18	Nill	12
Mtech	Power Electronics & Drives	36	Nill	13

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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
2019	261	183	84	45	5

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 Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
129	129	7	22	1	5

[View File of ICT Tools and resources](#)

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

A batch of twenty students is assigned to one faculty member who would be officiating as a mentor/counselor. Every student will be counseled Frequently meeting with the faculty -counselor every semester. Issues which can be resolved at the faculty level would be taken care off and those beyond their capability will be referred to higher authorities for resolutions. The counseling would be centered on issues pertaining to student performance in academics, overall development of their personality by getting trained in soft skills and English language competence, specific skill set training to be managed by students for better career prospects apart from any specific personal issues which might be affecting their progress.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2522	129	1 : 20

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
24	24	0	24	4

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
Nil	nil	Nil	nil
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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
MCA	Nil	I II/I II III	Nil	Nil
MBA	Nil	I II/I II	Nil	Nil
BTech	02030405	I II/I II III IV	Nil	Nil
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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
12	2522	0.47

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.crectirupati.com/?q=node/348>

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
02	BTech	EEE	37	24	64.8
03	BTech	ME	81	60	74.07
04	BTech	ECE	100	86	86
05	BTech	CSE	87	68	91
Nil	MBA	management studies	123	95	77.24
Nil	MCA	computer application	65	65	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)

[Nil](#)

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

Yes
Name of the teacher getting seed money
Dr.S.Mallikarjunaih,Dr. P. Krishna Murthy, Dr. A Rama Mohan Reddy,Dr L Ramamurthy

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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
Nil	0	0	Nil	0

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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
Major Projects	1825	DST/FIST	1600000	50000

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

0

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
IPR Workshop for Faculty and Students.	Institute level programme	06/09/2019
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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
0	0	0	Nil	0
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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
0	Nil	0	Nil	Nil	Nil
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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
0	0

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)
International	ECE	32	0.45
International	ME	3	0.32
International	CSE	6	0.26
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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
ECE	2
CSE	2
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Smart Healthcare	Published	201941024141 A	26/07/2019

using IOT-aware architecture for real-time health monitoring.			
Enhanced Traffic Management with Artificial Intelligence Congestion Control Algorithm	Published	201941034794 A	18/10/2019
Memory architecturing based on design of domain wall memory technology	Published	201941049389	02/12/2019
An Efficient and Automated SmartHeating Bucket.	Published	2020103897	20/04/2020
Collective network channel decentralized fountain design codes for secure communication in vanet.	Published	202041001490	12/01/2020
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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
0	0	0	Null	0	0	0
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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
0	0	0	Null	0	0	0
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Null	4	Null	Null
Presented papers	1	1	Null	Null
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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)
0	0	0	0
No file uploaded.			

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
0	0	0	0	0
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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
National Unit Day	NSS	46	285
Constutional Day	NSS	31	140
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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
0	0	0	0
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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
Gender Issue	NSS unit CREC	National Womens Day	6	110
Gender Issue	NSS unit CREC	Sensitizing on Womens protection Through Disha ACT	3	120
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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
Nil	0	Nil	0

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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
Nil	Nil	Nil	Nil	Nil	0
No file uploaded.					

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
JETKing	16/08/2019	JETKing Learning Center	233
APSSDC	01/11/2019	CMS Skill Excellence	476
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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
2105650	2056641

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
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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 partially)	Version	Year of automation
NEWGENLIB	Fully	HELIUM	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
e- Journals	3	1020	Nil	Nil	3	1020

Text Books	33969	1069782	246	112656	34215	1182438
Reference Books	2195	156230	30	8654	2225	164884
Digital Database	1	15000	Nil	Nil	1	15000
CD & Video	1496	Nil	Nil	Nil	1496	Nil
e-Books	150	Nil	12	Nil	162	Nil
Library Automation	1	108000	Nil	Nil	1	108000
Journals	46	102356	30	85641	76	187997
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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	Platform on which module is developed	Date of launching e-content
0	0	0	Nil
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	564	420	0	0	37	11	62	100	46
Added	20	8	6	6	0	0	0	0	0
Total	584	428	6	6	37	11	62	100	46

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

100 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
Nil	Nil

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 incurred on maintenance of physical facilities
656231	581626	690630	618520

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 following common facilities are open to all students for effective utilization and better maintenance of physical facilities, there are clearly specified procedure exist. The five fully furnished seminar halls which are used for all academic purposes have to be pre booked for their usage clearly specifying time, date and any specific additional arrangement to be done. On receipt of the same subjected to the availability requisite seminar hall among the five is allotted by the in charge. The in charge for these five seminar halls monitors the up keep and maintenance of these seminar halls. Every department has a house keeping in charge (an additional responsibility of faculty member) shall monitor general up keep of the department resources such as class rooms, laboratories and faculty rooms and lodges any maintenance complaint available in the institute engineer's office. The institute engineer's office has three types of registers for civil, electrical and general maintenance complaints. Any complaint registered in any of the category shall be attended with in a maximum of 24hours and status of complaint also registered. All the registered shall be verified once a week by the office of the principal. Every laboratory in every department has a maintenance register where in weekly maintenance details have to be recorded which will we verified by the concerned lab in charge and respective HOD, every fortnight these registers will be pre verified by the office of the principal. The institute also has an annual stock verification review where in stock verification committee will form (Two members from other departments, one member from home department) which will verify all the stock equipment, machinery etc. and also indicates any obsolete to be return off. On compilation of such stock verification report across the entire institute wherever it is necessary items/equipment is return off. Library follows certain protocols in the usage of books. The entry register is kept for both staff and student at the entrance to the library. Anybody who enters the library must enter in the register to use the facilities in the library. Library committee set up a book bank system for students. By this system, new books will be issued for every semester to the students only after the previous semester borrowed books are returned in good condition. At the end of every semester, all the students must return the books to the library. Likewise the teachers are allowed to take five books for every semester. The institute operates 8 buses to help students and the employees to commute safe and conveniently from places such as Renigunta, Tiruchanur, Tirupati Town, Chandragiri and Tirupati RS. These buses allow only students and employees who have valid bus pass issued by the institute. The buses are fitted with speed governors so that the maximum speed of the buses is restricted to 60KMPH. The indoor and open-air auditorium is also used on a pre booked basis and follows the similar procedures and that of seminar hall. Boys Girls Hostel Facility The institute maintains separate

<https://cre.tirupathost.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	Meritorious student scholarship	109	720000
Financial Support from Other Sources			

a) National	RDT, TTD	3	232000
b) International	Nil	Nil	Nil
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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 implementation	Number of students enrolled	Agencies involved
Yoga and Meditation	24/06/2019	1123	In house
personal counselling	17/06/2019	2252	In house
Soft Skills /English	14/06/2019	334	Seelam Rambabu(Ram) Soft Skills Trainer, Hyderabad
Aptitude Reasoning	14/06/2019	335	Shaik Fayaz, Aptitude Reasoning Trainer, Hyderabad
Python Programming	25/06/2019	176	P.Suhas, Python Expert.
Programming in C	16/07/2019	95	J.Naga Muneiah
Database concepts in Placements perspective	01/08/2019	90	Cheruku Sudarsan Reddy, Free lance Trainer, Technical, Tirupati.
AMCAT(SVAR)	29/10/2019	187	Seelam Rambabu(Ram), Soft Skills Trainer, Hyderabad
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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 passed in the comp. exam	Number of students placed
2019	Guidance for competitive examinations	268	245	7	198
2019	Career Counseling	2252	243	7	198
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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
2	2	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
28	345	156	06	154	38
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2019	5	B.Tech	EEE	Chadalawada Ramanamma Engineering college	M.Tech (PE D)
2019	1	B.Tech	EEE	Yogananda institute of technology	M.Tech (PE D)
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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
GATE	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Constitution day	National	112
Rashtriya Ekta Diwas	National	156
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
Nil	Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.						

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

The Institution has an active 'Student Council' which is formed every academic Year. The Student Council is selected in the presence of a committee comprising of the Principal and HODs. The Student Council comprises of the following members:

- All Class representatives
- All Forum/Clubs/Associations Presidents
- All Forum/Clubs/Associations Secretaries
- Cultural Secretary
- NSS Representative
- Sports Representative

Each academic department has a representative known as class representative (also Girls representative), based on the academic performance of the student. Various clubs, forums and associations of each department have nominated student representatives. The important highlighting features of the Student Council are as follows: The council works as a facilitator between the students and the Institute. It takes care of all the extracurricular, co-curricular activities and annual social fest of the Institute. It maintains the overall discipline on the campus. The University representative represents Institute at University level for various student activities. It provides information to the students regarding various beneficiary schemes available at Institute and University level and campaign to create awareness regarding these schemes. Various student chapters comprising of professional bodies such as ISTE is functioning through Student Council.

Apart from these professional bodies, there are other forums/clubs/associations such as:

- ? Mechanical Engineering association
- ? Electrical Engineering association
- ? Electronics and Electronics Communication Engineering association
- ? Computer Science and Engineering association
- ? Mathematics club
- ? Literary club
- ? Cultural club
- ? Sports Committee
- ? Innovation club

The above mentioned clubs, forums, associations and committees of students work as a platform where the students can show their skills. The Students Council is responsible for conducting the annual day celebrations, sports day and national level technical fest "VISTOSA" smoothly. The Students Council organizes a technical fest, "VISTOSA" which includes various activities like paper presentations, poster competitions, street plays and events like picture save, crack O circuit, construct, bob the builder, water jet propulsion, best manager contest, youth parliament etc. are conducted during these celebrations. On the occasion of Independence Day and Republic Day, street plays on social issues are performed by student groups under Student Council on topics such as 'Alcoholism' 'Evils of drugs', 'Save the girl child', 'Save Water' etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institute has an independent alumni charter which organizes various alumni meets every year in and outside the campus. The Head of the departments, faculty and staff are in constant touch with the alumni through e-mail, social media and various activities conducted by alumni charter. Alumni are invited to deliver expert lectures and evaluate student projects. Faculty members are in personal touch with former faculty and alumni to collaborate for conducting faculty development programs and workshops. Every department invites distinguished alumni and arranges interaction with the present students. The alumni share his/her experience and the problem faced by him/her to the current students. Presently, the alumni are planning to start quarterly webinars on individual topics for the benefit of all the students which would be available on a secure platform. Over the years, CREC, Renigunta Rd, has provided a platform for various successful careers. This is evident from the success that has been achieved by our alumni across the globe. The Management of CREC is generous enough to provide employment to alumni of the Institute. At present, 15 alumni are working across various departments of the Institution. These alumni faculty members meet once in a month and decide the strategy to organize events for the benefit of current students. Following are the activities carried out by Alumni charter :

- Provide a variety of benefits and services

that help alumni to maintain connection with their educational institution and fellow graduates. • Alumni groups often support new alumni and provide a forum to form new friendships and business relationships with people of similar background. • Arranges guest lectures by alumni members and other prominent people for students on current technical and non-technical topics. • Donates books to library. • Organizes social events. • Helps students to get sponsored projects and internships. • Conducts mock interviews and resume writing sessions for enhancing placements.

5.4.2 – No. of registered Alumni:

77

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet was held on 14-09-2019 at Bangalore, around 35 Alumni from 4 batches participated Alumni meet was held on 08-02-2020 at Chennai, around 42 Alumni from 6 batches participated

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)

The Institute extensively practices participative management. The important prerequisite enable such a management practice is decentralization. Decentralization coupled with delegation of authority shall enhance extensive and effective participation of all employees and stakeholders in decision making process. The Institute has organization structure with governing body as highest authority followed by governing council. And each department has a HOD supported by an associate HOD. Based on the IQAC recommendations institute also has formed 14 committees which facilitates, conduct and monitor various academic, nonacademic and administrative activities. To cite such a recent example of a decentralized and participative management practice this year annual day celebrations "Annual Day" is a classic example. So for it has been customary for the institute to conduct annual day in two sessions on the same day and academic achievers and students who excel in sports and games were felicitated on the same day. However, this year based on the feedback of the students through the counselors a meeting of HODs and Associate HODs was conducted to review the annual day program. With extensive deliberations and students feedback it was proposed to conduct a separate sports day and a separate annual day and such proposal was placed before "All Hands" (All faculty meeting). This meeting allow extensive discussion through involvement of every faculty member as it was for the first time and following action points were agreed.: 1. Number of sports and games to be conducted for boys and girls 2. Mechanism of arriving overall championship for boys and girls 3. Method of conduct of the sports day program 4. Identify/formed various committees for conduct of the two day programs. A three members coordination committee was formed including with Physical director. The individual committees submitted detailed schedule of the sports/games competition along with the budget proposal. This detailed proposal was further discuss in the heads of the departments so as to ascertain and modify academic time table of the class work. The finalized proposal was approved by the principal. Such a modified program was arrived at through an extensive involvement of the all stakeholders in the institution.

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

Partial

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
Admission of Students	The institute encourage prospective student group visit to present campus and the facilities. During their visit competition were held to test their ability in science and mathematics and those students were awarded prizes to motivate them. This has helped meritorious students to choose our institute. Secondly the top ranker students in this state entrance examination engineering are given scholarship. This has helped bright students to seek admissions in our institute.
Industry Interaction / Collaboration	The institute has initiated efforts to coordinate industrial cluster in Sree City(SZ) for student training and internship and also collaborative academic industrial research . the efforts also on are collaborative with IIT Tirupati which is also located in the same premises
Human Resource Management	The institution is in the process of developing employ well fare police to future enhance and support existing welfare measure including free school education for the children class 3, class4 employees and free transportation for the needy employees. It is also proposed to the governing body to support and nurture R D initiative a seed money provision accepted.
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"> • Name of the ILMS software : NEWGENLIB • Nature of automation (fully or partially) : FULLY • Version : HELIUM 3.2 • Year of automation : 2018
Examination and Evaluation	Since the academic autonomy granted to the institute is being practice it is more critical for a meticulous academic assessment evaluation student's performance. The mechanism for continuous internal assessment through quizzes, assignment's unit tests and mid examinations is put in place. This is combined with end term external examination. The ratio of internal assessment to external

	<p>assessment is 30 :70 has approved by academic council. the answer scripts are double valued and both valuations are carried out by senior faculty member other reupdated institute. The better of the two valuations is consider for award of the marks. To further attend any student grievance. The probation for committee recounting and revaluation of answer scripts is also made</p>
Teaching and Learning	<p>Since it was 3rd year of autonomy and new regulation have come in to practice the faculty members were trained on adopting wide variety of teaching methods and providing practically insides of the subjects dealing talks. As per the R19 regulations the industry experts were also invite to deliver specialized talks so as to substantiated students learning. To further enhance effective teaching "micro teaching" further identify faculty members.</p>

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

E-governace area	Details
Planning and Development	<p>The Management confine to formulated vision, mission and objectives and has healthy surveillance with regard to implementation of the same. Providing adequate financial support as and when needed. Periodic meeting of management with Principal and accordingly meeting of Principal with HOD's facilitates smooth day to day functioning of the institution. Annual meeting of the management with all staff members</p>
Administration	<p>Effective administration is very much essential in any organization. For smooth administrative functioning, an organization chart is prepared which is shown on the Institute website. To maintain quality and standards in effective and efficient manner each member of teaching and non-teaching staff follow the practices mentioned in the administrative manual of the Institute. For the proper functioning of Institute, hierarchy is maintained as per the organization chart and responsibilities are carried out at all the levels.</p>
Student Admission and Support	<p>Principal of the Institute takes every effort to ensure that the decisions taken at the top level</p>

percolate to all levels for effective implementation of the same. Principal plays a healthy supervisory role by delegation of authorities through various committees. Principal plays a vital link between the faculty, administrative staff and management. Principal plays a role model for the faculty members in enhancing academic credentials and inculcating total quality management culture among the administrative staff. Principal acts as a chief warden for boys and girls hostels.

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
Nil	Nil	Nil	Nil	Nil
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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	Emerging Trends and Research Challenges in Cyber Security, Crypt analysis and Cyber Physical Systems	Nil	10/06/2019	22/06/2019	65	Nil
2020	Advances in "Python (Django and Flask), Python for Data Science and Cyber Security" Advances	Nil	21/05/2020	27/05/2020	1179	Nil

	in "Python (Django and Flask), Python for Data Science and Cyber Security"					
2019	Three days National Conference on Sensor Networks, Internet on Things (IOT) and Internet of Everything	Nil	17/10/2019	19/10/2019	20	Nil
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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
Details are provided in the Excel sheet	250	04/07/2019	06/07/2020	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
12	12	4	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. lunch and Tea (twice a Day) are provided to all employees without any charge. 2. Free medical support is provided in Krishna Teja Dental college.	1. lunch and Tea (twice a Day) are provided to all employees without any charge. 2. Free medical support is provided in Krishna Teja Dental college.	Free medical support is provided in Krishna teja Dental college

6.4 – Financial Management and Resource Mobilization

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

At the end of every financial year, the Institute conducts audit through auditor. Institute maintain accounts as per the procedure. It also provides complete details of balance sheets which includes income, expenditure, use of

estimates, revenue recognition, fixed assets, depreciation and previous year figures are recast and regrouped whenever necessary. The Institute has a well formulated financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purpose. Every year, the budget is prepared well in advance by taking into consideration the financial requirements of every department. Each department prepares the budget based on the recurring and non-recurring requirements such as equipment consumables required for the next academic session. The budget proposed by the department is reviewed by the Principal and the management reviews the budget forwarded by Principal and approve this after necessary changes. As and when required, the Institute makes a provision for advance/ additional funds. The Principal and the Heads of the department discuss the requirements and decide the priorities while allocating funds for various purposes ensuring optimum utilization of available fund. The Principal monitor the purchase as per the sanctioned budget. Budget utilization is periodically reviewed by the management and corrective measures are taken, if required. Financial audits are conducted by a chartered accountant every financial year to verify the compliance with established processes.

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
Nil	0	0
No file uploaded.		

6.4.3 – Total corpus fund generated

0

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	No	Nil	Yes	IQAC
Administrative	No	Nil	Yes	Internal

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

The parents meet is conducted twice a year once's in the beginning academic year and second end of the 1st semester. The feed back from the parents has been very useful in restructuring of the extracurricular activities including sports facilities. The parents meeting also help to modify forward/alt daily menu in the hostels.

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

FDP's for the various department staff members Technical skill development programmes Technical workshops Personality development program

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

Addition of physical and IT infrastructure, modernization of existing laboratories and establishing new laboratories in line with industry's requirements, establishment of centers of excellence (research laboratories) to provide a platform for research for both students and faculty. Working towards accreditation by NBA by reinforcing OBE system: faculty are encouraged to innovatively improve the processes including evaluation processes to achieve
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attainment higher levels of course outcomes. Motivating and supporting entrepreneurial drive amongst students by establishing Business incubation Centre.

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	No

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	Sensitization program on Research funding opportunities for faculty members	18/08/2019	18/08/2019	18/08/2019	112
2019	workshop on effective teaching through online mode for faculty members	14/09/2019	14/09/2019	14/09/2019	56

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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
Sensitizing on Womens protection Through Disha ACT	28/12/2019	28/12/2019	56	64
International Womans Day	08/03/2020	08/03/2020	45	65

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 institute had entire campus consumes an average of 2600 unit's conventional electricity provide by the APSED. However, this consumption is being reduced to installation of Roof Top Solar systems by which around 600 units of electricity is generated and consumed by 2024 the institute in tend to install Solar system to meet complete energy requirement. The institute also has made provision rain water harvesting so as to replenish ground water table.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	3
Ramp/Rails	Yes	3
Rest Rooms	Yes	3

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	2	2	15/09/2019	3	Digitization	Digitization of Records	65
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Nil	Nil	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
0	Nil	Nil	Nil
No file uploaded.			

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

- The institution is using Solar Systems for its energy needs.
- The hot water supply in hostels is completely through Solar Water Heaters
- The street lights in the campus are gradually being replaced with Solar LED lamps

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 Title of the practice: Preparation of the Fourth year (last affiliated batch) B. Tech students for university examinations Objective: Being an affiliated college the students have to appear for the end semester exams conducted by the university in addition to the mid examinations conducted by the institution. The students in pre final year of their undergraduate program have to parallelly fine tune their domain skills through training and certification programs and further enhance their social skills. In the student's performance in first semester of final year is positive and good, it also enhances students moral and enhances their confidence and encourages them to focus and prepare for GATE examination and also employment related examinations in final year. Hence the primary objective is to enhance final year's first semester university results. Context: Based on the four previous semester university results it was noticed that the student performance in the first semester of fourth year across all branches was declining. This decline in pass percentage has not only made the students with low moral and also made the students to focus clearing the backlogs in third year there by their

preparation for placements in final year through acquiring the domain skills and socially relevant skills was taken a back stage. Such a scenario had infected students performance in final year placements related activities. Hence it was identified and decided to device a mechanism to enhance and prepare the students better for the fourth year first semester examination. The main challenge in addressing this was to redefine the assessment method currently in use however since being an affiliated institute, the assessment practices through examinations cannot be altered. Therefore it was very pertinent that within the framework of the regulations of the university the new mechanism of preparing the students for the examination. The practice: Synopsis (detailed lecture schedule) was made very elaborate by including the schedule of the invited guest faculty/training/workshop, schedule of industrial visit if any and also schedule of the tutorials, details of the electronic resources such as NPTEL material and also schedule of unit test after completion of syllabus of each unit. Conduct of such unit tests is not the requirements of the university however the institute is introduced this practice for all the third year first semester students during the academic session 2018-19. The performance of the students in each unit test was evaluated and appropriate feedback was provided on time. Secondly, after two units an assignment is given to students so as to verify the efficacy of the reinforcement of their learning in the contents of the syllabus taught until then. The unit test and assignments after every unit continued until the end of the semester. Before the students appeared for the university examinations „A mock Exam? was conducted for each subject so as to check the preparation of the student and performance. This three phase examination in addition to the university prescribed examination certain academic hours have to be extended there by faculty members have to be convinced to work for longer hours and also to provide better feedback on the way the student have been performing the examinations.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://cre.tirupatihost.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 institute Vision To impart the best technical and management education instilled with discipline, values and leadership qualities that will produce professional technocrats. The Institute Mission has the following three strands: The institute conduct, work etiquette and performance revolves around the adherence and compliance of procedures, practices to fulfill the above. In summary, reflecting on the vision and mission statements , the institution focuses on (holistic student development). Since the institute predominantly caters to the students belonging to the rural community and to provide means and methods for holistic professional education are also reflecting of the institutes commitment for the same. Deriving from the traditional values and norms combined with modern methodologies the thirst has been on holistic professional development of the student through the following means. Adherence to pre-defined discipline norms for the students Effective counseling system catering to academic and social needs Engaging the students through practical learning through workshops, training, and internships Sensitization and involvement of the student on green energy and eco-friendly practices since the institution also uses solar energy to meet all its energy demands Encouraging student's participation in professional association and charters. Proactive of student in addressing socially pertain causes such as save water etc.(Since institute is being located in drought prone region). Exposure to the students

to the student through virtual learning for better interaction with outside institutes, experts. Encouraging students to participate outside technical symposiums and workshops so as to make them to networks other compatriots. To make the students learn organization abilities and leadership qualities, students associations are formed department wise and opportunities are given to them to conduct technical symposium called "VISTOSA". To encourage innovation and creativity "IDEA club" acts as a platform. The EDC focuses on identify, nurture the ability being entrepreneurial among the students. The institute adheres to all the norms and regulations of the statutory authorities so as to make the students also to prepare themselves to be law avoidance citizens of tomorrow. To maintain the transparency and objectivity with all the stakeholders ECAP, an ERP package is primarily used. Different support mechanisms are built to address issues of academic weak learners, socially disadvantaged community students. To appreciate and to recognize student performances and achievements the institute honors on the annual day which truly has been motivating remaining students. As indicated above all the exercises are meticulously carried out so as to comply with the objective of the providing holistic professional education to complete alignment with Institute Vision and three stands of the Mission.

Provide the weblink of the institution

<https://cre.tirupatihost.in/>

8.Future Plans of Actions for Next Academic Year

The institute has clearly year marked Road map for next five years. The five dimensions of the road map are as indicated below. a) To encourage and motivate faculty members to apply for more research funds of grants. b) To further enhance industry collaboration and encourage entrepreneurship among the students. c) Set-up Incubation center within the campus. d) All the conventional energy needs to be met with Non-conventional energy sources. e) Enhance the number of internships per student to three in the next two year. f) Strengthen the alumni association