Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**RAGHU ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr. R. Kameswara Rao**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08922248011**
Mobile no.	**9949095892**
Registered Email	**principal@raghuenggcollege.com**
Alternate Email	**iqacraghuenggcollege@gmail.com**
Address	**Raghu Engineering College, DAKAMARRI, BHEEMUNIPATNAM, VISAKHAPATNAM, AP**
City/Town	**Visakhapatanam**
State/UT	**Andhra Pradesh**
Pincode	**531162**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**09-Jun-2017**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr P. Jamaleswara Kumar**
Phone no/Alternate Phone no.	**08922248001**
Mobile no.	**9866283104**
Registered Email	**iqacraghuenggcollege@gmail.com**
Alternate Email	**jamaleswara.palakollu@raghuenggcollege.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://raghuenggcollege.com/wp-content/uploads/2022/09/REC-AQAR-2017-18-Report.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://raghuenggcollege.com/wp-content/uploads/2022/09/AY-2018-19-Academic-Calenders-I-Year-to-IV-Year-1.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.06**	**2016**	**11-Jul-2016**	**31-Dec-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**01-Sep-2016**

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
Guest Lecture on Advances in Manufacturing Technology	11-Feb-2019 2	245
Seminar On Entrepreneurship And Business Development	15-Nov-2018 1	90
Quality Enhancement in Curriculum Design and Development for Higher Education Institutions	29-Nov-2018 2	120
world Quality Day	08-Nov-2018 1	101
View File		

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
IQAC	Quality Enhancement	NAAC	2018 2	100000
View File				

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?	**Yes**
If yes, mention the amount	**100000**
Year	**2018**

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

• The Internal Quality Assurance Cell (IQAC) of the Raghu Engineering College plays a significant role in bringing about quality work culture in the institution by ensuring clarity and focus in the institutional functioning. It has also ensured enhancement and coordination among various activities of the institution and has institutionalized good practices like conducting National workshops and international world quality day events. • Internal Quality Assurance Cell ensures the quality of the teaching learning process and its outcome through internal and external audits conducted at regular intervals. • Internal Quality Assurance Cell has taken efforts to improve the quality of teaching by involving students and faculty in NPTEL lectures. It also monitored and ensured the quality of student's activities, departmental activities, and staff members for periodic assessment for the timely, efficient, and progressive performance of an academic task with placement process in the institute • Finally, IQAC strengthened Research and consultancy Development, empowerment, establishing advanced / research labs/centers.

[View File](#)

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 encourage staff members for writing Scopus Journal papers and registering Ph.D programs.	Improved the number of international Journal papers with Scopus related and Ph.D holders in the Institution.
A common and specific format may be designed to collect the feedback from different stake holders associated with the institution.	Measures are taken and framed a common format to acquire the feedback from the students, parents and Alumini
To conduct Internal IQAC Audit for all the departments and other Cells for the effective functioning.	Exams are conducted systematically without any disturbance
Promotion and Encoragement of faculty to do NPTEL courses	Large no of faculty and students are motivated succeeded with good performance. Many are secured Gold medals
To encourage the faculty to attend training programs such as FDPs, STTPs, Workshops, Seminars etc.	Large no of faculty have attend the training programs and they are able to deliver the content beyond the syllabus that created more interest among the students
[View File](#)	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date

Academic council Meeting	09-Mar-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	2019
Date of Submission	20-Jan-2019
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)	Management Information System (MIS) is a system designed to systematically organize information related to the management of educational development. It is responsible for the promotion and the use of information for policy planning and implementation, decision making, monitoring and evaluation of an education system. The institution has a Management Information System using raghuerp.in portal. The following are some of the important modules: • Staff attendance biometric • Staff daily activity report • Staff leave Staff attendance biometric: All the staff members are instructed to use biometric machines for attendance purpose. Staff use biometric during morning (while entering institution) and evening (while leaving the institution). Principal checks the data of staff members attended and the staff members on leaves every day. Staff daily activity report: All the teaching staff are instructed to fill the daily activity report in the same day itself. This involves different works carried out by teaching staff i.e. no of classes taken, lab works, record correction, writing the journal paper, discussion with the students regarding the subject or project work, mentoring, counselling, invigilation duties, paper correction etc. Staff leave: All the staff are instructed to avail the leaves only through Enterprise Resource Planning (ERP) portal. Leaves are sanctioned to the staff on after adjusting the workload/duties. This

task is taken care by the concerned Head of the department. Final approval of the leave is done by the Principal. ERP displays the leave details like number of leaves available, number of leaves taken etc. Library details: The faculty members and the students can see the number of books available on ERP. If any faculty member or student wants books from library, they can borrow the books through ERP, if available. The following options are available in library ERP module. 1. The number of books to be taken 2. Actual of books Borrowed taken 3. Due date. Even exam section also having information system for updating of their complete data.

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	01	Civil Engineering	10/06/2018
BTech	02	Electrical and Electronics Engineering	14/06/2018
BTech	03	Mechanical Engineering	13/06/2018
BTech	04	Electronics and Communication Engineering	09/06/2018
BTech	05	Computer Science Engineering	15/06/2018
View File			

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	Civil Engineering	06/12/2018	Water Resource Engineering -I R1632014	06/12/2018
BTech	Electrical and Electronics Engineering	14/06/2018	English for Employability 17EG481	14/06/2018
BTech	Electrical and Electronics Engineering	13/06/2018	QuaElectrical Distribution Systems RT41029	13/06/2018

BTech	Electronics and Communication Engineering	09/06/2018	English for Technical Communications 17EG381	09/06/2018
BTech	Electronics and Communication Engineering	09/06/2018	Electronic Circuit Analysis Lab 17EC411	09/06/2018
BTech	Mechanical Engineering	13/06/2018	Kinematics of Machinery 17ME405	13/06/2018
BTech	Mechanical Engineering	06/12/2018	Green Engineering Systems RT42032	06/12/2018
BTech	Computer Science Engineering	15/06/2018	Computer Organisation 17CS302	15/06/2018
BTech	Computer Science Engineering	06/12/2018	Artificial Intelligence R1623055A	06/12/2018

[View File](#)

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Technical Seminar-I	15/06/2018
BTech	JAVA Programming	10/06/2018
BTech	FOSS LAB	15/06/2018
BTech	Digital Electronics Lab	09/06/2018
BTech	Mini Project-I	09/06/2018
BTech	Java programming Lab	13/06/2018
BTech	Seminar: Technology & Its Impact	13/06/2018
BTech	Seminar on Technology and its Impact	14/06/2018
BTech	English for Technical Communications Lab	10/06/2018
BTech	Digital Electronics	14/06/2018

[View File](#)

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	CIVIL ENGINEERING	24/06/2017
BTech	MECHANICAL ENGINEERING	24/06/2017
BTech	ELECTRICAL ENGINEERING	24/06/2017
BTech	COMPUTER SCIENCE ENGG	24/06/2017
BTech	ELECTRONICS AND COMMUNICATION ENGG	24/06/2017

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
ESTIMATION AND BAR BENDING SCHEDULE	14/12/2018	33
Detection of Contamination in the Food Drinks	24/09/2018	90
Descriptive Language	25/02/2019	90
DETAILING AND DRAWING OF CONCRETE STRUCTURES	13/08/2018	43
Programmable Logic Controllers (PLC)	04/12/2018	55
Essentials of AutoCAD 3-Dimensional	22/10/2018	32
Automotive Components Modeling using CATIA	19/06/2018	35
Programming in Java	29/11/2018	10
IoT using Arduino Programming	12/02/2019	66
Python Fundamentals SQL	25/06/2018	20
[View File](#)		

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	Electronics and Communication Engineering	23
BTech	computer science and engineering	15
BTech	Electrical and Electronics Engineering	6
BTech	Mechanical Engineering	35
[View File](#)		

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
Feedback is a vital part of communication in any institution. Mainly, the Institution of Raghu Engineering College (REC) collects regular feedback from stakeholders such as the students, alumni, faculty, employers and parents. 1. Students' Feedback taken on the curriculum of REC be used to improve the course design. 2. Faculty Feedback, taken on various aspects of the curriculum such as the provision of adequate time resources for framing the syllabus, coverage of both theoretical and practical components in the syllabus, the coherence of the syllabus with Course Outcomes, Program Outcomes and involvement of the field experts while designing Feedback analysis report. 3. Alumni's Feedback contribution to the activities of the Institution is substantial, especially in the development of the curriculum and different aspects. This feedback is taken during the alumni meet held every year. It is also taken whenever alumni visit the college. 4. Employers are our major stakeholders, Their feedback gives us input to enhancing the employability of our students. 5. Parents' Feedback is taken on various aspects such as infrastructure, facilities and curriculum for the development of the institution. Feedback Analysis Report: • The analysis of students' feedback depicts that they are well satisfied with the development and revision. • The students highly appreciated the academic infrastructural facilities such as the library, laboratories, and playground facilities. • The feedback of teachers revealed the validity and adequacy of the syllabus. Also, it helps reframe the course content according to societal needs. • Alumni feedback analysis report reveals that the majority of the alumni are proud to be a part of this institution and they agreed that they will recommend their friends and relatives to enrol in this institution. They appreciated the academic initiatives taken by the Institution to restructure and update the curriculum as per the current needs. And also calculating PO attainment in this survey. • The employers are happy with the students of our institute and their performance as "Good" and "Satisfactory". The employers like to employ more students from our institute. • They suggested the need for more practical labs for coding algorithms and design patterns. • The feedback analysis reports from the parents depict their satisfaction with the curricular and non-curricular activities rendered by the Institution. • From the analysis it is evident that the parents believe that their wards develop good soft skills and ethical values during their course of study. Collected data has been analyzed and the report was discussed in an IQAC for further action.

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	Civil	60	30	30
BTech	EEE	180	51	51
BTech	Mech	300	192	192
BTech	ECE	240	195	195
BTech	CSE	180	167	167

Mtech	Power Electronics	18	3	3
Mtech	CAD/CAM	18	10	10
Mtech	CSE	18	5	5
Mtech	Embeded Systems	18	4	4

[View File](#)

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	3390	41	203	12	12

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
215	215	15	52	5	15

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

[View File of E-resources and techniques used](#)

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

? Mentoring system is implemented in the institute wherein 16 (approximately) students are assigned to a faculty member who acts as their mentor for the entire programme duration. ? Mentor regularly interacts with the students and monitor their academic performance and attendance. Students are counselled by the mentors, class advisors, subject faculties and HOD for improving their academic performance and attendance. ? Mentors and Class Advisors counsel the students regarding their performance and schedule additional lectures/practical's. At first year level, students academic and personal issues of concern are well looked after by the class advisor/mentors. The critical cases are handled by first year in charges. This way the students realize their responsibilities at the early stage itself. ? Mentoring system is followed by all departments from the second year onwards. The students are given guidance for career, personal, besides academic issues. A special arrangement also, is made available to the students to deal with psychosocial issues arising in cases like single parenting, bread earner in the family etc. For higher semesters, the mentors allocated to the students will council same group of students for three years i.e. the same set of students will be monitored and counselled till they have passed the course. ? The meetings of mentorship are conducted every month, in which students meet their mentors for academic and personal issues. The students who have less attendance and who have missed their internal tests are paid special attention from mentors side. Even the students with many issues are asked to call parents for parents- mentor meetings. ? The mentor is also responsible to provide counselling to the student and provide guidance regarding personal and academic issues. ? The mentor keeps track on their improvements and counsels them accordingly. ? The role of the mentor is to nurture the students and guide them for any issues they are coming across. Students with personal/family problems if any are given counselling and support by a professional counsellor. ? A large number of students who perceive the professional course are quite focussed still they may fall short of score to be promoted to above sections. Such students are given counselling by the mentors and the subject teachers and remedial lectures are conducted. Students are supported and guided both in co-curricular and extracurricular activities. ? The mentor of the class discusses with each and every student individually and supports them in all the possible ways to enrich their academic performance. ? The mentors

contact the parents and educate them, if required about their wards performance, and the academic programmes of the college as well as the support system and the monitor system the student and parents. ? The mentors always keeps a check on the attendance of the student, the marks/grades obtained in the internals externals examinations, and regarding his/her candidature in the campus placement and provides remedial coaching

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3431	215	1:16

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
215	215	0	13	38

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	Singuru Rajesh	Assistant Professor	Young Scientist Conference YSC-2018 under IISF 2018 by Ministry of Science and Technology, Govt. of India
2018	Singuru Rajesh	Assistant Professor	3rd Best Faculty Advisor by International Go-kart Championship -2018, RKDF University and Koshi Motors, Bhopal
2018	Dr, Gupteswar Sahu	Associate Professor	Ph.D
2018	Dr. Vamsidhar Anagani	Associate Professor	Ph.D
2018	Dr,S,Satyanarayana	Professor	Top-1 NPTEL Course Joy of Python
2018	Dr,S,Satyanarayana	Professor	Top-5 NPTEL Course C Programming
2019	G.M.Padmaja	Assistant Professor	NPTEL,Problem solving through programming in c
2019	M.Rupali	Assistant Professor	NPTEL,Joy of computing using python
2019	D.V.S.Ravivarma	Assistant Professor	NPTEl,Programming in C

2019	Abinash Tripati	Assistant Professor	NPTEL,DBMS

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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	01	III Yr -I Sem	19/11/2018	15/12/2018
BTech	01	II Yr - I Sem	24/11/2018	12/12/2018
BTech	02	III Yr -I Sem	19/11/2018	15/12/2018
BTech	02	II Yr - I Sem	24/11/2018	12/12/2018
BTech	03	I Yr - I Sem	14/12/2018	09/02/2019
BTech	03	I Yr - II Sem	11/05/2019	23/07/2019
BTech	04	III Yr -I Sem	19/11/2018	15/12/2018
BTech	04	II Yr - I Sem	24/11/2018	12/12/2018
BTech	05	I Yr - I Sem	14/12/2018	09/02/2019
BTech	05	I Yr - II Sem	11/05/2019	23/07/2019

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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
1	3431	0.025

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://raghuenggcollege.com/wp-content/uploads/2022/09/AR17-Subject-COs.pdf

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	Electrical & Electronics Engineering	69	58	80.84
03	BTech	Mechanical Engineering	332	224	67.46
04	BTech	Electronics and Communic	253	171	67.58

05	BTech	Computer Science Engineering	119	96	80.67
01	BTech	Civil Engineering	68	55	80.88
43	Mtech	Power Electronics	5	5	100
4	Mtech	CAD/CAM	5	5	100
58	Mtech	CSE	7	7	100
55	Mtech	Embeded Systems	2	2	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)

https://raghuenggcollege.com/wp-content/uploads/2022/09/SSSR-2018-19.pdf

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
G. V. Sridhar
View File

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
Nill	Nil	Nil	Nill	Nil
View File				

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)	730	AICTE	1490000	1192000
Any Other (Specify)	151	NAAC	100000	100000

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

2

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
Wolrd Qulaity day: A question of Trust	IQAC	08/11/2018
NAAC sponsored two day national workshop on Quality Enhancement in Curriculum Design and Development for Higher Education Institute	IQAC	29/11/2018
Expert talk on Challenges in CMOS manufacturing in India	ECE	30/03/2019
Research Grants Proposal Writing in Thrust Areas	ECE	30/03/2019
Two-Day Hands-On Workshop: Soldering	EEE	15/03/2019
Industrail Training on Solar PV Designing Installation	EEE	13/03/2019

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
NIL	NIL	NIL	Nill	NIL

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
NIL	NIL	NIL	NIL	NIL	Nill

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics and Communication Engineering	3
Electrical and Electronics Engineering	1

Mechanical Engineering	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)
International	Electronics and Communication Engineering	7	0.2
International	Electrical and Electronics Engineering	3	1.5
International	Basic Science and Humanities	8	1.9
International	Mechanical Engineering	5	0.5
International	Computer Science Engineering	4	0.25
International	Civil Engineering	1	0.36

View File

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
Electronics and Communication Engineering	3
Mechanical Engineering	1
Electrical and Electronics Engineering	2
Computer Science Engineering	2

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
NIL	Nill	0	Nill

View File

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
Catalytic Efficiency of Biosynthesized Silver Nanoparticles in	Kandula V., Balakrishna C., Behera M., Nagababu U., Kumar G.K., Chatterjee	ChemistrySelect	2019	0	Raghu Engineering College	0

Synthesis of Chromones and Reduction of Nitro Aromatics	A.					
Synthesis, characterization and cytotoxic investigations of novel bis(indole) analogues besides antimicrobial study	Choppara P., Bethu M.S., Vara Prasad Y., Venkateswara Rao J., Uday Ranjan T.J., Siva Prasad G.V., Doradla R., Murthy Y.L.N.	Arabian Journal of Chemistry	2019	3	Raghu Engineering College	3
Performance assessment of a sustainable Solar Air Heater (SAH) by using different profiles of absorber plates	Rajesh S., Vinay Kumar V., Sai Ram J.	IOP Conference Series: Earth and Environmental Science	2019	0	Raghu Engineering College	0
Tuning of emission from copper-doped ZnSe quantum dots	Kumar R.A., Prasad M.V.V.K.S., Kiran Kumar G., Venkateswarlu M., Rajesh Ch.	Physica Scripta	2019	0	Raghu Engineering College	0
Mn Modified Mesoporous TiO2 Particles: Synthesis, Characterization and Photovoltaic Application	Ajay Kumar R., Yechuri S., Kiran Kumar G., Rajesh Babu B., Rajesh C.	Journal of Electronic Materials	2019	0	Raghu Engineering College	0
		Journal	2019	0	Raghu En	0

Benchmark Analysis on Magnetic and Photoluminescence Properties of Selective Metal Ions Doped ZnS Nanoparticles	Manojkumar K., Prasad B., Kranthi Y., Varma J.S.K., Vinay K., Amaranatha Reddy D., Subramanyam K.	of Superconductivity and Novel Magnetism				gineering College	
Inter connection of wind and photovoltaic systems: modelling, conversion and control	Melimi R.K., Singampalli S., Vulasala G.	International Journal of Ambient Energy	2019	0		Raghu Engineering College	0
Optimized VLSI design of 2-Bit magnitude comparator using GDI technique	Doddi B.R., Vasanth Kumar Y.E., Sai Kiran G., Sri Sravya K., Pruthivi V.	International Journal of Recent Technology and Engineering	2019	0		Raghu Engineering College	0
Study on influence of Die Angle in Cold Extrusion on Properties of Nano Sic Reinforced 6061 Aluminum Alloy	Kumar A.V., Ratnam C.H., Rao V.V.S.K., Kumar C.R.	Materials Today: Proceedings	2019	0		Raghu Engineering College	0
Synthesis characterization of biologically active Gigantic swallow-	Nagababu U., Govindh B., Diwakar B.S., Kiran Kumar G.,	Materials Today: Proceedings	2019	0		Raghu Engineering College	0

	wort mediated silver nanoparticles	Chatterjee A.					

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
Catalytic Efficiency of Biosynthesized Silver Nanoparticles in Synthesis of Chromones and Reduction of Nitro Aromatics	Kandula V., Balakrishna C., Behera M., Nagababu U., Kumar G.K., Chatterjee A.	ChemistrySelect	2019	5	0	Raghu Engineering College
Synthesis, characterization and cytotoxic investigations of novel bis(indole) analogues besides antimicrobial study	Choppara P., Bethu M.S., Vara Prasad Y., Venkateswara Rao J., Uday Ranjan T.J., Siva Prasad G.V., Doradla R., Murthy Y.L.N.	Arabian Journal of Chemistry	2019	5	3	Raghu Engineering College
Performance assessment of a sustainable Solar Air Heater (SAH) by using different profiles of absorber plates	Rajesh S., Vinay Kumar V., Sai Ram J.	IOP Conference Series: Earth and Environmental Science	2019	5	0	Raghu Engineering College
Tuning of	Kumar R.A.,	Physica Scripta	2019	5	0	Raghu Engineering

emission from copper-doped ZnSe quantum dots	Prasad M.V.V.K.S., Kiran Kumar G., Venkateswarlu M., Rajesh Ch.						College
Mn Modified Mesoporous TiO2 Particles: Synthesis, Characterization and Photovoltaic Application	Ajay Kumar R., Yechuri S., Kiran Kumar G., Rajesh Babu B., Rajesh C.	Journal of Electronic Materials	2019	5	0		Raghu Engineering College
Benchmark Analysis on Magnetic and Photoluminescence Properties of Selective Metal Ions Doped ZnS Nanoparticles	Manojkumar K., Prasad B., Kranthi Y., Varma J.S.K., Vinay K., Amaranatha Reddy D., Subramanyam K.	Journal of Superconductivity and Novel Magnetism	2019	5	0		Raghu Engineering College
Inter connection of wind and photovoltaic systems: modelling, conversion and control	Melimi R.K., Singampalli S., Vulasala G.	International Journal of Ambient Energy	2019	5	0		Raghu Engineering College
Optimized VLSI design of 2-Bit magnitude comparator using GDI technique	Doddi B.R., Vasanth Kumar Y.E., Sai Kiran G., Sri Sravya K., Pruthivi V.	International Journal of Recent Technology and Engineering	2019	5	0		Raghu Engineering College
Study on influence of Die	Kumar A.V., Ratnam	Materials Today: Pro	2019	5	0		Raghu Engineering College

| Angle in Cold Extrusion on Properties of Nano Sic Reinforced 6061 Aluminum Alloy | C.H., Rao V.V.S.K., Kumar C.R. | ceedings | | | | | |
| Synthesis amp characterization of biologically active Gigantic swallow-wort mediated silver nanoparticles | Nagababu U., Govindh B., Diwakar B.S., Kiran Kumar G., Chatterjee A. | Materials Today: Proceedings | 2019 | 5 | 0 | | Raghu Engineering College |

[View File](#)

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

Number of Faculty	International	National	State	Local
Presented papers	5	1	0	0
Resource persons	0	0	0	1
Attended/Seminars/Workshops	0	24	10	0

[View File](#)

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)
Mechanical Engineering	Tensile test of alloy steels	Regent Industrial Products, Ahmedabad	15000
Mechanical Engineering	Tensile test of alloy steels	Regent Industrial Products, Ahmedabad	25000

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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
NIL	NIL	NIL	0	0

[View File](#)

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
World Water Day	NCC	2	107
Republic Day Parade	NCC and NSS	4	104
NCC Day Celebrations	NCC	2	35
Surgical Strike Day	NCC	2	102
Clean Campus Day (Swachta hi seva)	NCC and NSS	4	108
Clean Hostel Day(Swachhta hi seva)	NCC and NSS	4	30
Clean Mess Day (Swachta hi seva)	NCC and NSS	4	45
Beach Cleaning Day	NCC and NSS	4	103
Cleaning of Public Places	NCC and NSS	4	50
Awareness rally on swachta hi seva	NCC and NSS	4	95

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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
Young Scientists conference under Indian International Science Festival	Certificate of Merit: Third prize in theme Swatch Bharat	Ministry of Science and Technology, Ministry of Earth Sciences in association with Vijnana Bharati at Indira Gandhi Pratishthan, Lucknow	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
World Water	NCC	World Water	2	107

		Day		
Clean Campus Day (Swachta Hi Seva)	NCC and NSS	Swachta Hi Seva	4	108
Clean Hostel Day(Swachhta Hi Seva)	NCC and NSS	wachta Hi Seva	4	30
Clean Mess Day (Swachta Hi Seva)	NCC and NSS	Swachta Hi Seva	4	45
Beach Cleaning Day	NCC and NSS	Beach Cleaning Day	4	103
Cleaning Of Public Places	NCC and NSS	Cleaning Of Public Places	4	50
Awareness Rally On Swachta Hi Seva	NCC and NSS	Swachta Hi Seva	4	95
Village Cleaning (Swachta Hi Seva)	NCC and NSS	Swachta Hi Seva	4	89
Nukkad Natakas	NCC and NSS	Nukkad Natakas	4	42
Tree Plantation	NCC and NSS	Tree Plantation	4	49

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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
Collaborative research: Paper Title: Investigation of Microstructure and Mechanical Properties of MIG Welded Mild Steel Plates	Tumula Eswara Rao, (Raghu Engineering College)Guruji Rama Krishna, Mailapalli Vinay Kumar (Gudlavelleru College of Engineering)	Raghu Engineering College	365
Collaborative research: Paper Title: On Two-Graded Manpower Model with Non-Homogeneous Poisson Recruitments in both the grades	1. K. Srinivasa Rao,Department of Basic Science &Humanities,Raghu Engineering College, Visakhapatnam,& 2. P. Mallikharjuna Rao, Dept. of Statistics, Andhra University, Visakhapatnam, ksraoau@yahoo.co.in	Raghu Engineering College	365

Collaborative research: Paper Title: Heat and mass transfer slip flow of MHD Casson fluid over a vertically rotating cone	R. V. Bhaskar (Raghu Engineering College) K. Sujatha,Department of Mathematics, St. Joseph's College for Women (A), Visakhapatnam	Raghu Engineering College	365
Collaborative research: Paper Title: Synthesis characterization of biologically active Gigantic swallow-wort mediated silver nanoparticles	U. Nagababu, Department of Chemistry, KLEF, Guntur, AP, India 2. B.S. DiwakarDepartment of Engineering Chemistry, SRKR College of Engineering, AP, India, 3. B. Govindh,Department of Chemistry, Raghu Institute of Technology, Dakamarri, AP, India	Raghu Engineering College	365
Collaborative research: Paper Title : Design, Modelling and Simulation of Pyramidal Horn Antenna	T.Yogitha, A.B. Tejaswi, S. Balasubramanyam, N. Phani Kumar(Raghu Engineering College) D. Veneta ramana (Scientist-C),SAMEER, Visakhapatnam	Raghu Engineering College	365
Collaborative research: Paper Title: Design Multiband microstrip LOG PERIODIC Dipole Array Antenna for Wireless Applications (1GHz-10GHz)	Y Sowjanya, V. Mohan Sekhar, Reema Roy, Sudharshan Abishek, V. Manikanta & P. Siva Kumar (SAMEER, VSKP)	Raghu Engineering College	365
Collaborative research: Paper Title: Performance analysis of ANN-based multilevel UPQC under faulty and overloading conditions	Sudheer V, Department of Electrical and Electronics Engineering, Raghu Engineering College (A), Visakhapatnam, India; & Venketa Reddy Kota Department of Electrical and Electronics	Raghu Engineering College	365

	Engineering, Jawaharlal Nehru Technological University, Kakinada, Ind		
Collaborative research: Paper Title: GSA-FAPSO-Based Generators Active Power Rescheduling for Transmission Congestion Management	1. R. Peesapati, Electrical and Electronics Engineering Department, Raghu Engineering College, 2. A. Yadav and N. Kumar, the Electrical Engineering Department, National Institute of Technology, Jamshedpur 3. V. K. Yadav is with the Department of E	Raghu Engineering College	365
Collaborative research: Paper Title: An Empirical Study of Performance Improvement in Product Delivery System Through Six-Sigma DMAIC Approach	1) R. Peesapati, Electrical and Electronics Engineering Department, Raghu Engineering College 2) R. Anup Kumar (B) Department of Mechanical Engineering, Chaibasa Engineering College, Chaibasa 831001, Jharkhand, India K. Nilesh Department of Electrica	Raghu Engineering College	365
Collaborative research: Paper Title: Fabrication and Analysis of Solar Air Cooler	T. Kalyani, Department of Mechanical Engineering, Raghu Engineering College (A), S. A . A. Anicia, Jeppiar Institute of Technology, Chennai, Tamil Nadu	Raghu Engineering College	365
	[View File](#)		

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	Duration From	Duration To	Participant

		/research lab with contact details			
Industry Traning coll aboration	Internship	WOZART Technologies Pvt. Ltd	21/01/2019	20/04/2019	MALLIREDDY DEVA MANOHAR KUMAR
Industry Traning coll aboration	Internship	WOZART Technologies Pvt. Ltd	21/01/2019	20/04/2019	HARSHA VARDHAN
Industry Traning coll aboration	Internship	WOZART Technologies Pvt. Ltd	21/01/2019	20/04/2019	SARARAM REVANTH
Industry Traning coll aboration	Internship	OPENTEXT Technologies Pvt. Ltd.	08/04/2019	07/05/2019	KANISHQ KUPPILI
Industry Traning coll aboration	Internship	G KURU MURTHY ,DEPUTY GENERAL MANAGER (HRDC), BHEL (HPVP) -VISA KHAPATNAM	14/05/2019	11/06/2019	KARANAM BHANUSREE
Industry Traning coll aboration	Internship	G KURU MURTHY ,DEPUTY GENERAL MANAGER (HRDC), BHEL (HPVP) -VISA KHAPATNAM	14/05/2019	11/06/2019	SANGAPU ROHINI
Industry Traning coll aboration	Project Training	EcoMitra solar pvt.lt d.,303,AMMA APARTMENTS,V IP ROAD,CBM COMPOUND,VIS HAKAPATNAM-5 30003	20/06/2018	30/07/2018	GEDDA NAVA BHARGAV
Industry Traning coll aboration	Internship	EcoMitra solar pvt.lt d.,303,AMMA APARTMENTS,V IP ROAD,CBM COMPOUND,VIS HAKAPATNAM-5 30003	20/06/2018	30/07/2018	U.S.S.N.V SURENDRA
Industry Traning coll aboration	Internship	J.PRABHAKARA RAO, SR MANA GER(Trg.), COKE OVEN COAL CHEMICALS	25/02/2019	09/03/2019	G. NAVA BHARGAV

Industry Traning collaboration	Internship	EcoMitra solar pvt.ltd.,303,AMMA APARTMENTS,VIP ROAD,CBM COMPOUND,VISHAKAPATNAM	20/06/2018	30/07/2018	M.HARSHA VARDAN

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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
JNTU Kakinada	05/09/2018	Faculty training at JNTUK, Kakinada	15
Imagine to Innovate	28/01/2019	Skill Development and Carrer Advancement	50

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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
300	269.35

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
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Existing
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	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 patially)	Version	Year of automation
BEES CAMPUS SOFTWARE	Partially	1.6	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	35803	8950750	863	323154	36666	9273904
Reference Books	8837	2209250	225	56250	9062	2265500
e-Books	0	0	2141	354060	2141	354060
Journals	0	0	52	105000	52	105000
e-Journals	490	652517	490	742816	980	1395333
Others(specify)	3	361806	3	668789	6	1030595

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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
Dr.G.Sahu	Microwave EngineeringGoo	Google Drive	18/06/2018
Mr.D.Bhaskara rao	Digital Electronics	Google Drive	18/06/2018
Dr.A.Vamsidhar	Electronic Circuit Analysis	Google Drive	18/06/2018
Dr. M. Murali	Solid Waste Management	Google Drive	18/06/2018
Mr. R. Srinivasa Rao	Structural Analysis	Google Drive	18/06/2018
Mrs.B. Sudeepthi	Building Materials and Construction	Google Drive	18/06/2018
Dr.P.Raja goppal	Power systems -1	Google Drive	18/06/2018
Shaik Daryabi	Super position theorem- video lecture	Google Drive	18/06/2018
V. Tata Rao	Cryptography and Network Security	Google Drive	18/06/2018
K. Pavan Kumar	Internet Of Things	Google Drive	18/06/2018

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	598	12	450	1	1	2	6	100	0
Added	62	0	210	0	0	0	0	0	0
Total	660	12	660	1	1	2	6	100	0

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
Recording Facility/ Media Center	https://raghuenggcollege.com/iqac/#tmainab12

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
300	282.48	650	645.35

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)

   Institute has a well-defined group of members to look after maintenance. The following committees are responsible for their respective maintenance works: a. Civil Maintenance: The institute has a well-defined system of maintenance of its physical, academic, and support facilities like a laboratory, library, classrooms, etc. The maintenance Supervisor and his team are involved in the maintenance of overall infrastructure facilities. b. Mechanical Maintenance: The standard procedure followed for service and maintenance of equipment/machinery is as follows: (i) If the equipment is to be serviced during the warranty period, the supplier of the equipment will be intimated about the repair and it will be serviced either in-house or on the supplier premises based on the nature of the defect. (ii) After the warranty period, if the equipment demands service, the technical staff attached to the respective laboratories service the equipment/machinery to the extent possible. (iii) If not, identify the persons outside the organization who repair the equipment, and if necessary, contact the supplier of the equipment. c. Electrical Maintenance: Department of electrical engineering deals with power supply and maintenance. Following SOP is followed for uninterrupted power supply in college premises. (i) Checking diesel in storage tank daily and Replenishing stock of diesel. (ii) Checking lubricant oil and specific gravity of distilled water of batteries daily. (iii) Cleaning the Radiator fan belt, and generators

daily. d. IT Maintenance: (i) System Maintenance: (ii) Network Maintenance: e. Library Maintenance: The library is well maintained by the Librarian and his team, taking the guidance from the library committee which in turn takes input from all stakeholders. The order list shall be prepared on the basis of suggestions of the faculty. The list shall be forwarded to the principal for approval who makes necessary changes, approves it, and forward the same to Library for procurement. An inspection activity will be carried out by the librarian to check quantity, Title, Author, etc., as per the invoice. f. Sports Maintenance: (i) Before facilities are opened to use by athletes and students, physical directors need to ensure maintenance equipment is removed and put in its proper storage area. (ii) Maintenance equipment can include lawnmowers, chemicals, ladders, tools, and cleaning supplies. (iii) Furthermore, maintenance equipment that is stored appropriately will last longer. Athletic administrations don't want to spend the additional funding on neglected equipment they want it to last as long as possible. g. Transport maintenance: (i) The Transport department will look after the College Automobiles like Cars, Buses, etc., performing regular maintenance like cleaning, servicing and repairs periodically. (ii) The transport department consists of both technical and non-technical staff. Technical staff will undertake maintenance of services and repairs whereas non-technical staff will look after cleaning. h. House Keeping: The Classrooms, Seminar halls and Laboratories, Departmental offices, Staff rooms, and administrative offices are cleaned and maintained hygienically. The Green Cover of the campus is well maintained by full-time gardeners. The Classrooms, Seminar halls and Laboratories, Departmental offices, Staff rooms, and administrative offices are having the access to wi-fi facilities

https://raghuenggcollege.com/wp-content/uploads/2022/09/4.4.2-Procedure-for-Maintaining-Physical-facilities.pdf

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	Institutional Free-ship	301	6020000
Financial Support from Other Sources			
a) National	Fee reimbursement Scheme, PM Merit Scholarship, Kshatriya Seva Samithi	2086	84966300
b)International	Nil	0	0
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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 implemetation	Number of students enrolled	Agencies involved
A one day soft skills programme on "Innovative Thinking"	05/12/2018	186	Ms. Swarna Subrahmanyan Six Phase, Chennai
A one day	10/12/2018	168	Ms. Roshi,

programme on "Problem Management"			Elephos, Hyderabad
A Two Day INDUSTRIAL TRAINING ON SOLAR PV DESIGNING INSTALLATION	13/03/2019	145	GREEN ENERGY SOLUTIONS, Hyderabad
Guest Lecture on Design of CMOS Circuits	30/03/2019	146	Dr.Anand Bulusu, Assoc Professor, IIT Roorkee
6 Days Skill Enhancement Program (SEP)- Communicative English	25/02/2019	194	inhouse -REC English Deptt.
6 Days Skill Enhancement Program- Engish for Proficiency	16/07/2018	148	inhouse -REC English Dept
6 Days Skill Enhancement Program- English for Professional Development	27/08/2018	203	inhouse -REC English Dept
Awareness Program on Self Defense Techniques	20/08/2018	124	Mrs. M. Vagdevi, National Referee
"A Talk on Skills required to produce a Short film"	19/10/2018	153	K. Sushma, Associate Software Engineer, IBM
Awareness Program on Cervical and Breast Cancers	04/02/2019	212	DR G Sanyasamma , Gynecologist, Uday Hospitals, VZM
[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
2019	CRT and Career Guidance	411	411	279	279
[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

8	5	10

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
Infosys, Info Design, Strata Geo Systems, Contour Steel	411	279	NIL	0	0
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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	ECE	IIT Tirupathi	Signal Processing and Communcations
2019	1	B.Tech	EEE	University of Hertfords hire	MS
2019	1	B.Tech	Mech	IIT BOMBAY	MTECH (TD)
2019	1	B. Tech	ECE	Central Michigan University	M.S. (Computer Science)
2019	1	B. Tech	ECE	Indiana University-Purdue University Indianapolis	M.S. (Applied Data Science)
2019	1	B. Tech	EEE	Cleveland State University	MS
2019	1	B. Tech	Mech	GITAM VISHAKAPATANAM	MTECH (CAD/CAM)
2019	1	B. Tech	ECE	JNTU,VIZIANAGARAM	M. Tech. (SSP)
2019	1	B. Tech	ECE	UMBC Graduate School	M.S(Data Science)
2019	1	B. Tech	ECE	SAPIENZA, UNIVERSITA DI ROMA	M.S. (Electronics Engineering)
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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	2
GRE	2
TOFEL	3
Any Other	27
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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
Sports / Games	Institute level	1250
Cultural Events	Institute level	1459
Competitions	Institute level	300
Intercollegiate tournaments	University	150
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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Best University Player Award	National	1	Nill	15981A0219	G. Dinesh Sai Pavan
2019	Winners	National	1	Nill	17985A0248	L.ARUN KUMAR
2019	Certificate of Merit	National	1	Nill	17985A02A1	K. Ashish Paul
2019	Winners	National	1	Nill	17985A02A1	K. Ashish Paul
2019	Winners	National	1	Nill	17985A02A0	Y. Dhanunjay
2019	Winners	National	1	Nill	17985A02A4	Reddy Varun sai
2019	RUNNER	National	1	Nill	15981A04B3	V. UJJWAL
2019	RUNNER	National	1	Nill	18981A04H5	T.Pooja Sharmila
2019	1st place	National	Nill	1	19981A0442	CH.PUJITHA
2019	WINNER	National	1	Nill		K

						18981A0371	DHEERAJ LAXMAN

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

The student council of the Institute is comprised of academically competent students. It acts with a feeling of responsibility while handling student-related tasks. Additionally, the Institute supports the involvement of student representatives in different decision-making, academic, and administrative bodies, allowing them to acquire a better academic environment. Consideration is given to student ideas and recommendations in order to encourage and take action on positive ideas springing from students perception. The institute strives for the whole development of its students. The students are members of many professional society chapters, including IEEE, IETE, CSI, Code chief, IE, and SAE. Additionally, student members actively participate in a number of committees at the Institute and Department level. Some of the prominent committees are mentioned below: Women Empowerment Cell: The girl students are part of the committee to address issues on women welfare and empowerment. Hostel Committee: They play a significant role in food quality, cleanliness, and other amenities. They actively observe daily activities and report them promptly to the warden. Course Review Committee: It comprises of the HOD, the class in charge of the section, and student representatives from each class. They examine classroom decorum, lecture delivery, and general discipline. On the basis of the meeting minutes, steps are taken to enhance the academic performance of the class. The National Cadet Corps (NCC): The institution encourages the development of leadership, character, comradery, the spirit of sportsmanship, and the concept of service among young people through NCC. National Service Scheme (NSS): The institution also encourages student participation in service activities such as arranging blood donation, rural health sanitation, adult education, and environmental awareness camps in the surrounding communities. Yoga Club: Students take active part to spread awareness regarding the immense benefits of Yoga. Photography Club: Students who are members of the photography club plan and execute events that provide members with the opportunity to study photography, get the most out of their cameras, and develop a heightened awareness of the world around them. Dance club: The total level of physical fitness, as well as endurance, muscular tone, and strength, may be improved via dance. It includes stretching for flexibility, core and strength training, and cardiovascular and aerobic conditioning. Students collaborate in groups, and this feeling of team spirit inspires and motivates them to do their best. Singing Club: Students take part in singing club activities with a lot of enthusiasm. Students plan and host a variety of fests, technical and non-technical and sports competitions at the national level. Every student member of various clubs and professional bodies are encouraged to take part actively in organizing the various events as listed above. This enhances their managerial skills and gives them exposure to work in teams and timelines.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

REC Alumni Association was formed on 21st March 2019 vide Registered No 247 of 2019 under section 3 of Societies Registration Act, 2001. Since its inception, this association has actively involved in various activities in assisting the college management to reach institute's vision and mission statements and bridge the gap between industry and academia. REC has nominated Vice principal

and Placement officer as ex officio members in the governing body of the RECAA to strengthen and extend support for smooth functioning of the association. The association office bearers consist of a president, vice president, secretary, joint secretary, treasurer, members and ex officio member representatives from college. Objectives of the REC Alumni Association: ? Act as a catalyst to strengthen the College Alumni to help students to reach their goals. ? To help alumni to enhance their inherent abilities to meet global challenges. ? To provide assistance to students on higher studies and career development as and when required. ? To promote social, academic and literary advancement of its members. ? To support its association's president, board members, faculty and student associations in ensuring the overall development of the college. ? To arrange and conduct meetings to plan and implement various strategies to attain the mission statement in an effective manner. ? To organize and promote a fund for the use and benefit of the college and REC Alumni association. ? To built a strong Alumni network to scatter the services to the needy people as a social responsibility. Functions of RECAA ? Delivering Guest lectures. ? Participating in various college functions as a Delegate. ? Conduct of tech talks on contemporary technologies. ? Act as Board members in BOS meetings conducted by college. ? Act as Academic Committee members in reviewing the Curriculum to adopt new technologies. ? To conduct week end on line sessions with the college students to update them with latest developments in the industry. ? Act as a bridge to fill the gap between Industry and Academia. ? To assist college administration as and when required to meet new challenges. ? To assist college students in their placement activities by guiding them. ? Up date on https://www.linkedin.com/school/raghu-engineering-college/ on regular intervals to connect with college Alumni and exchange their views to promote development of the college in all fronts.

5.4.2 – No. of registered Alumni:

491

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

112000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni actively participate in BoS meetings for curriculum development. 2. Deliver guest lectures 3. Support for placement internships 4. Support student projects 5. Students mentoring 6. Alumni chapter meet at regular intervals at different locations.

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)

VISION Envisioning to be a world-class technical institution by synergizing quality education with ethical values. MISSION To enlist the services of expert faculty. To encourage training and research in cutting-edge technologies. To develop and strengthen strategic links with the industry. To kindle the zeal among the students and promote their quest for academic excellence. To encourage extra-curricular activities along with good communication skills. Decentralization management: The Institute supports a trend of a decentralized governance system with properly well-defined inter-relationships. • There are three levels of administrative structures under which all the activities of the institute are carried out. 1) Society level - The institutes management is directed by Governing Body, whose members are appointed per the guidelines provided by the AICTE. 2) Institute level - All the major decisions related to

the institute are taken by the Principal in consultations with the Head of departments. The principal is the academic and administrative head of the Institute and the Member of the Governing Body. Some financial power is given to the principal for the institutions development. 3) Department level - The department Heads are responsible for looking at the departments day-to-day administration and reporting to the Principal. In addition, any institute staff member can give suggestions and ideas for improvement. Students also participate through different formal and informal feedback mechanisms. The suggestion box is kept in every department for suggestions from students. Management and Trustees are approachable and accept all suggestions. 1) Participative management: The institute always promotes the culture of participative management by involving staff and students in various activities. All decisions of the institution are governed by the management. The students and faculty members are allowed to express themselves for any suggestions to improve the excellence in any aspect of the Institute. 2) Strategic Level: The Principal, HODs, dean academics, and staff members are involved in defining the policies and procedures, and rules/regulations related to admission, placement, discipline, grievance, counseling, training development, library services, etc. 3) Functional Level: At the functional level the faculty members participate in sharing knowledge by discussing on latest trends/technology during a faculty meeting. Some staff members are involved in the preparation of the annual budget of the department and institute. 4) Operational level: The Principal of the institution is a member of the governing body. The governing body gives suggestions and monitors the procurement, introduction of new programs, and welfare activities. All the staff members actively participate in implementing the policies, procedures, and framework designed by the management to maintain and achieve the quality standards and achieve the vision and mission of the institution. Office staff gets involved in executing day-to-day support services for the management, principal, students, and faculty members, and the smooth running of the institution.

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
Admission of Students	Our admissions are done strictly as per the norms given by the constituent authorities
Industry Interaction / Collaboration	The institute has constituted IQAC Cell it has Industry representatives for suggestions with regards to curriculum development other academic activities. Our training placement cell continuously strives for networking with industries for placements internships. These MOUS are signed for mutual benefits, mainly for value added courses, Certification courses, internships, incubation centres projects.
Human Resource Management	Teaching faculty requirement is decided as per AICTE student faculty ratio. The cadre ratio is also as per AICTE norms. The nonteaching staff

	requirement is at the discretion of the management to meet the needs of departments.
Library, ICT and Physical Infrastructure / Instrumentation	The Institute has library space in excess of AICTE norms with adequate seating capacity. The campus is wi-fi connected. The labs are state of the art with all modern equipment's.
Research and Development	The Institute has research centre. We are having patents from our faculty. Our faculty has published few books from reputed publishing houses. We also subscribe Elsevier, IEEE online journals.
Examination and Evaluation	We follow University examination scheme of 60:40 wherein 60 weightage is given to end semester exam 40 weightage is given to internal test. This scheme of continuous assessment ensures proper learning outcomes. The University scheme provides us with various heads of evaluation such as assignments, presentations, term work, practical etc. These heads of exams and evaluation enables formative assessment. We also calculate course outcomes with direct indirect assessment methods to ensure effective learning
Teaching and Learning	We are Approved by AICTE, Accredited by NBA. Accredited by NAAC with A Grade, Affiliated to JNTU-Kakinada. To make learning more effective we have choice-based credit and grading system of examinations. We have devised new teaching pedagogies for different category of students. We ensure a perfect blend of classroom teaching ICT enabled teaching so that the students are motivated all the times. We ensure state of the art lab facilities, Computational facilities, Library also competent faculty.
Curriculum Development	The institute is affiliated to the JNTUK therefore follows the syllabus designed by the University. However, the University representatives of our institute other faculty members give inputs in the syllabus revision process. The revision takes place every 3 years. In addition to the syllabus we believe in holistic development of the students. We have formed IQAC for the purpose also take suggestions from Industry experts.

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

E-governace area	Details
Finance and Accounts	Finance and Accounts: The Institute has already taken various steps for implementation of E-Governance in FinanceAccounts: • Online salary payment. • On-line deposit of PF/ESI • Online deposit of TDS • Online payment of LTA and other reimbursements to staff • Online leaves approvals. • Online pay slips and leave records of staff.
Student Admission and Support	Student Admission and Support: Raghu Engineering College provides support to students from entry to exit in various forms: • Scholarships - Merit cum Mean • Tie up with nationalized banks like SBI, PNB, UBI, and IOC for Loan facilities for fee payment. • Welfare Activities – in-campus doctor, state-of-the-art hostel, library. • Club – societies like NGO, Area Specific, Blogging, Photography, Literary, and Cultural for all-round development students. • Sports facilities in the hostel. • Career Counseling.
Examination	The examination schemes come under JNTU K and Autonomous pattern. University can send the soft copy of the question paper before an hour of the exam and the examination department of the college gets its Xerox as per the required number of students appearing for that exam. This system is very safe and secure. Similarly, the results are displayed on the university website and students get an online copy of it.
Planning and Development	To achieve these benchmarks the management is giving all possible inputs to improve the teaching-learning process, improve placements, etc. Institute has its own LAN connection to communicate it with internal stakeholders.
Administration	Administration: The administrative activities involve maintenance of infrastructure, upkeep of the flora and fauna of the estate, and administrative issues. Internal admin team reviews and audits all the functions every quarter. The team further suggests the changes and implements them.

6.3 – Faculty Empowerment Strategies

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

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	P P N G Phani Kumar	NS2-Network Simulator and QUALNET Simulator (Workshop)	Not Applicable	500
2018	M Janaki Ramudu	NS2-Network Simulator and QUALNET Simulator (Workshop)	Not Applicable	500
2018	S Sudhir Varma	NS2-Network Simulator and QUALNET Simulator (Workshop)	Not Applicable	500
2018	B.H.V.S .Narayana	NS2-Network Simulator and QUALNET Simulator (Workshop)NS2-Network Simulator and QUALNET Simulator (Workshop)	Not Applicable	500
2018	D. Yogi Reddy	NS2-Network Simulator and QUALNET Simulator (Workshop)NS2-Network Simulator and QUALNET Simulator (Workshop)	Not Applicable	500
2018	G.Sanyasi Raju	NS2-Network Simulator and QUALNET Simulator (Workshop)NS2-Network Simulator and QUALNET Simulator (Workshop)	Not Applicable	500
2018	D.V.S.Ravi Varma	NS2-Network Simulator and QUALNET Simulator (Workshop)NS2-Network Simulator and	Not Applicable	500

2018	Tata Rao Vana	NS2-Network Simulator and QUALNET Simulator (Workshop)NS2-Network Simulator and QUALNET Simulator (Workshop)	Not Applicable	500
2018	Gadde Sridevi	Cryptology and Cyber security (Workshop)	Not Applicable	1000
2018	L Sreedhar	Data Analytics and Machine Learning (Workshop)	Not Applicable0	1500
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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	A Guest lecturer on " Soil Liquefaction and pavement construction in expansive Soils" conducted by Department of Civil Engineering , Raghu Engineering College	NA	09/03/2019	09/03/2019	132	Nill
2018	QUALITY ENHANCEMENT IN CURRICULUM DESIGN AND DEVELOPMEN	NA	29/11/2018	30/12/2020	90	Nill

	T FOR HIGHER EDUCATION INSTITUTIONS					
2018	NA	Laboratory Training Program On DSP Processors with MATLAB	04/07/2018	07/07/2018	Nill	11
2018	NA	Two days workshop on labview software	23/08/2018	25/08/2018	Nill	15
2018	Online workshop on "effective Letter Writing for Official Purposes"l Purposes"	Online workshop on "effective Letter Writing for Official Purposes"	28/12/2018	30/12/2018	24	16
2019	NA	Identification of Electrical and Electronics Components	03/01/2019	05/01/2019	Nill	13

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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
InfyTQ based Foundation Program organised by Infosys Campus Connect (Faculty Development Programme)	3	06/05/2019	13/05/2019	8
(Workshop) – Quality Enhancement in Curriculum Design and	3	29/11/2018	30/11/2018	2

Development For Higher Education Institutions				
(FDP) - Real Time Embedded Systems and IOT, Its Applications	10	02/06/2018	08/06/2018	6
(Workshop) – Machine Intelligence in Smart Grid and Communication	1	01/06/2018	10/05/2019	6
(FDP) - Op-Amp Practical Applications: Design,Simulation and Implementation	1	01/06/2018	31/10/2018	180
(FDP) – Recent Trends in Communication Engineering(Lab VIEW FEKO,Xilinx)	2	04/02/2019	09/02/2019	6
(FDP) – Computer Organization and Architecture: A Pedagogical Aspect	1	01/01/2019	30/04/2019	120
(FDP) - RF Antenna Design For EMC Applications	2	28/01/2019	02/02/2019	6
(FDP) – Antennas	2	01/01/2019	30/04/2019	120
(FDP) – Switching Circuits and Logic Design	1	01/06/2018	31/10/2018	180
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
215	0	124	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students

Employee Provident Fund Facility, Con sectional Transport Facility, Staffs are provided with free internet and Wi-Fi facility in the college campus, Staff incentives, ATM Facility in the Campus	Employee Provident Fund Facility, Employees State Insurance Corporation (ESI) Facility, Free Transport Facility, ATM Facility in the Campus	Students are provided with free internet and Wi- Fi facility in the college campus.ATM Facility in the Campus. Meritorious Medals, Canteen Facility, Hostel Facility, Transport Facility, Uninterrupted Power supply Plant Water Supply, Medical Facility, Government scholarships, NCC Units and NSS Units

6.4 – Financial Management and Resource Mobilization

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

In every financial year, the college conducts internal audits and external audits by statutory auditors. After accomplishing monthly accounts, the same are audited by internal auditors appointed by the management. While verifying entries, any mistakes Identified will be rectified by the departments. After rectifications, the report is submitted to the governing body. The external statutory auditors visit the office twice a year for vouching for the audit and submit the final audit report. After completion, the final statutory audit report is submitted to the governing body for approval in June/July every year.

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	NIL

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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	Yes	External Experts	Yes	Internal Audit Committee
Administrative	Yes	External Experts	Yes	Internal Audit Committee

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

1) Meetings are conducted with parents and teachers on a regular basis to identify several issues amalgamated with students. 2) There is a strong relationship and periodically interaction between parent-teacher, feedback taken from parents is collected regularly. 3) The collected data supplemented the development of the Institution. 4) Most of the problems associated with students are identified and solved through consultancy with the parents.

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

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

Participation in NIRF • Participation in AISHE • Faculty are encouraged to publish the papers in the journals indexed in SCI, SCOPUS, DBLP databases, and UGC recognized journals • Introduction of inter-disciplinary electives and self-learning electives in the curriculum • Mandatory Internships in the curriculum.Non-teaching

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
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
2018	Quality Enhancement in curriculam design and development for higher education institutions	29/11/2018	29/12/2020	30/12/2020	120

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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
International Yoga Day	21/06/2018	21/06/2018	105	240
Awareness Program on Self Defense Techniques	20/08/2018	20/08/2018	124	0
"A Talk on Skills required to produce a Short Film"	19/10/2019	19/10/2019	153	108
Awareness	04/02/2019	04/02/2019	212	0

program on Cervical Breast Cancer				
International Women's Day Time is now: Rural & Urban activists transforming women's lives	08/03/2019	08/03/2019	250	0
A talk on Women's safety in public places	09/04/2019	09/04/2019	190	40

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
SOLAR PLANT DETAILS: • Total Capacity of Plant: 500 K.W Daily Units Production Average: 2,426 Units • Monthly Units Production Average: 72,780 Units • Yearly Units Production Average: 8,73,342 Units • Solar Power Usage Daily 6 A.M to 6P.M: 70 percent Approx. The details of Solar Power Generation in Raghu Engineering College is as follows: C- Block - 76 kw ECE Block - 83.2 KW H S Block - 59.475 kw Hostel - 36.75 KW Total -255.425kw

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	3
Braille Software/facilities	No	0
Rest Rooms	Yes	4
Scribes for examination	Yes	4
Special skill development for differently abled students	No	0
Any other similar facility	No	0

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
2018	1	1	13/09/2018	1	Blood donation camp	Blood donation	410

2018	1	1	13/09/2018	1	SWA	Cleaning, plantation , Awareness in diseases, conducting games to school children , fans and dry fruits distributed to orphanage	106
2018	1	1	21/09/2018	1	Beach Cleaning Day	Creating awareness regarding cleaning ,diseases by conducting rallies and door to door campaign	109
2018	1	1	21/06/2018	1	International Yoga day	Celebration of yoga	168
2019	1	1	22/03/2019	1	World water day	Importance of rain water harvesting	111

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Life Transformation Talk	22/02/2019	Mr. V. Ranjan Kumar gave a seminar on the topic Life Transformation Talk in the REC Seminar hall. 180 students faculty participated in the seminar.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2018	21/06/2018	158
Clean Campus Day	15/09/2018	15/09/2018	124

Clean Hostel Day	16/09/2018	16/09/2018	45
Beach Cleaning Day	18/09/2018	18/09/2018	125
Cleaning of Public Places	19/09/2018	19/09/2018	110
Awareness Rally on Swachata	20/09/2018	20/09/2018	95
Surgical Strike Day	29/09/2018	29/09/2018	102
NCC Day Celebrations	25/11/2018	25/11/2018	35
Republic Day	26/01/2019	26/01/2019	114

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

Automobile entry is restricted in the campus Usage of polythene carry bags were banned in the campus. Pesticides usage for plants were replaced with natural manure. Institute with lavish green campus has a variety of trees, plants and lawns Dustbins are kept with in the campus. Solar Energy planted is incorporated. A few cattle are reared as a part of eco-friendly environment and also for natural manure.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. STUDENT CENTRIC LEARNING a. To develop learner autonomy and independence. b. To focuses on skills and practices that enable lifelong learning and independent problem solving. c. To design Industry oriented curriculum so as to promote direct industry linkages. d. To extend learning by applying knowledge in new contexts. e. To develop their critical thinking and self reflection skills. 2. COMMUNITY BASED LEARNING a. To make valuable contributions to communities through active participation. b. To provide structured time for students to think, talk or record their experiences with the service activities. c. To create opportunity for the students to use newly acquired academic skills and knowledge in real life situations in their communities. d, To apply knowledge of human behavior and the social environment

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

https://raghuenggcollege.com/wp-content/uploads/2022/09/SCL-17-18.pdf

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

Implementation of Institutional reforms: Sri Raghu Kalidindi, a renowned academician is of the conviction that education is not just a phase in one's life but a lifelong process. He believes that education holds the key to society's progress and prosperity. It is precisely this conviction which prompted him to passionately pursue, promote, educate par excellence and establish this institution. Institute initiated job driven courses and increased industry engagement with students. For the same, Raghu Engineering College collaboration with industries helps the students to groom and further prepare them for their professional journey. • Skill enhancement capsule which involves industry experts-visit the campus, integrating with students, guiding

them to develop their skills. • The objective is to nurture and develop an industry ready candidates. • The class is divided into various groups, who were assigned a predetermined topic for presentation. • A faculty in-charge and head of the department jointly monitor the activity to provide concentrative feedback and further help the student to build his/her confidence. • In addition, there are many clubs to encourage students in co-curricular and extracurricular activities. Raghu Engineering College has a clear Vision statement: "Envisioning to be a world class technical institution by synergizing quality education with ethical values". We have always aspired to be distinctive using a variety of aspects such as interdisciplinary research, motivating start-ups, innovative teaching pedagogy, value-based education, empowering society through introducing projects and motivating entrepreneurship. Interdisciplinary Research Designing curriculum in a way to introduce and train students through interdisciplinary is an approach practiced in Raghu Engineering College. This type of study allows the student to learn by making connections between ideas and concepts across different disciplinary boundaries. Students learning in this way are able to apply the knowledge gained in one discipline to another different discipline as a way to deepen the learning experience. The most effective approach to interdisciplinary study enables students to build their own interdisciplinary pathway between the courses offered in their respective semesters. A carefully facilitated induction programme in the first year ensures that students are educated on the benefits of interdisciplinary studies in the first year itself. Innovative Teaching Pedagogy Raghu Engineering College has adopted innovative teaching pedagogy using Smart Classrooms to help teachers in delivering the concept better, and produce more meaningful learning experiences by using audio/visual aids from various sources. ? Group Classroom Experiments: A number of students work in groups on carefully designed guided inquiry questions. ? Projects and Models: Known as the effective teaching tools, models and projects are used as demonstrative tools to explain a particular concept. Once the child creates his/her own project, it is easier for the child to internalize the concept by 'learning by doing'. ? Interactive Lectures: Easy way for instructors to intellectually engage and involve students as active participants in a lecture. Students are encouraged to participate in an activity that lets them work directly with the material.

Provide the weblink of the institution
https://raghuenggcollege.com/wp-content/uploads/2022/09/7.3-18-19.pdf

8.Future Plans of Actions for Next Academic Year

The plans of the institute are primarily aimed at scaling the intellectual environment of the institute. This includes aiming at inducting a better quality of students, faculty, and intellectual output. Raghu Engineering College possesses certain faculty resources who are dedicated to the field of research. The institution strongly believes that academic research can strongly contribute to engineering problem solving and has a well-developed research plan for the upcoming year. The faculty is involved in actively performing research in the emerging areas of, Block Chain, and the Internet of Things, among several other contemporary areas. The institution plans to host a set of international conferences in the upcoming year. The objective of these research-based forums will be to serve as inter-disciplinary and multi-disciplinary avenues for the exchange of ideas, best research practices, and research outcomes, for the benefit of the industry persons, academicians, and researchers at large. Research workshops and special sessions are also being organized to familiarize individuals with the latest developments in research methods, technological evolution, and research paper writing, thereby aiming at increasing the intellectual output of the institution. To address the requirement of a better quality of students focus will be on Coaching institutes, Merit scholarships for

meritorious students. In the recent past, the faculty recruitment process has focused on inducting faculty with PhDs and good research backgrounds. We plan to improve the ratio of Ph.D. faculty members. We are applying to all possible funding and grant schemes from government and non-government organizations. We have submitted the proposal for MODROBS and Short term training program for faculty to AICTE.