



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		<b>PRAGATI ENGINEERING COLLEGE</b>
Name of the head of the Institution		<b>S SAMBHU PRASAD</b>
Designation		<b>Principal</b>
Does the Institution function from own campus		<b>Yes</b>
Phone no/Alternate Phone no.		<b>08852-252233</b>
Mobile no.		<b>7893103266</b>
Registered Email		<b>pragati@pragati.ac.in</b>
Alternate Email		<b>principal@pragati.ac.in</b>
Address		<b>1 - 378, ADB Road, Surampalem, Near Peddapuram.</b>
City/Town		<b>Kakinada</b>
State/UT		<b>Andhra Pradesh</b>
Pincode		<b>533437</b>

<b>2. Institutional Status</b>																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	16-Jun-2016																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Dr.A.Radha Krishna																		
Phone no/Alternate Phone no.	08842346677																		
Mobile no.	9440614466																		
Registered Email	iqac@pragati.ac.in																		
Alternate Email	radhakrishna.a@pragati.ac.in																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.pragati.ac.in">https://www.pragati.ac.in</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.pragati.ac.in">https://www.pragati.ac.in</a>																		
<b>5. Accrediation Details</b>																			
<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>1</td> <td>A</td> <td>3.08</td> <td>2015</td> <td>11-May-2015</td> <td>31-Dec-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.08	2015	11-May-2015	31-Dec-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.08	2015	11-May-2015	31-Dec-2021														
<b>6. Date of Establishment of IQAC</b>	21-Apr-2014																		
<b>7. Internal Quality Assurance System</b>																			
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															
Quality Research	20-Jul-2019 1			265															

Pedagogical Initiatives in Teaching and Learning	17-Jun-2019 1	236
Impact of Certification Courses in Modern Education	02-Dec-2019 1	238
Readiness for NBA/NAAC Accreditation	06-Jan-2020 1	239
No Files Uploaded !!!		

**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

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

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

5

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)**

- Continuous encouragement to the Faculty towards Research, to attend International/National Conferences / to organize Orientation and Training Programmes / FDPs.
- Encouragement of faculty towards using ICT in teaching and learning process.
- Outcomes Measurement for various courses in the related Programmes.
- To organize Skill Development Programs in various disciplines for the benefit of the students to get placements with higher packages.
- Continuous Encouragement to students to participate in Cocurricular and ExtraCircular activities to enhance their personal skills and self confidence in the present competitive world. .

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

Plan of Action	Achivements/Outcomes
Placements of Students	Display of the information related to the improvement in the number of students selected for placements with packages in various companies.
Sending SMS alert to the parents about progress of their wards	SMS to be sent to the parents daily about the attendance and performance of their children.
Organizing the need based Teaching	Multiple revisions on difficult topics present in syllabus are being conducted.
Imparting Quality Education	Quality Assignments are prescribed, conduction of interactive sessions on important topics along with creative teaching for the enhancement of innovations among the students.
Planned to monitor and attain the Course Outcomes with the Programme Outcomes and Program Educational Objectives	Data collected from all the departments for NBA. Data analysis is made on attainment of course outcomes with program outcomes and educational objectives.
No Files Uploaded !!!	

**14. Whether AQAR was placed before statutory body ?**

No

**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

20-Feb-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)

College has information system used for decision making, and for the coordination, control, analysis, and visualization of information in an organization

## CRITERION I – CURRICULAR ASPECTS

### 1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

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

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Civil Engineering (08)	10/06/2019
BTech	Electrical & Electronics Engineering (14)	10/06/2019
BTech	Mechanical Engineering (17)	10/06/2019
BTech	Electronics & Communication Engineering (21)	10/06/2019
BTech	Computer Science & Engineering (35)	10/06/2019
BTech	Information Technology (43)	10/06/2019
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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	All Programs	10/06/2019
Mtech	All Programs	29/07/2019

### 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
No Data Entered/Not Applicable !!!		
<a href="#">View File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field
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		Projects / Internships
BTech	Civil Engineering	261
BTech	Electrical & Electronics Engineering	363
BTech	Mechanical Engineering	683
BTech	Electronics & Communication Engineering	782
BTech	Computer Science & Engineering	188
BTech	Information Technology	39
Mtech	Power Electronics & Electric Drives	10
Mtech	VLSI System Design	5
Mtech	Embedded Systems	4
Mtech	CAD/CAM	10
No file uploaded.		

## 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>All the departments of Institute collect the feedback on all aspects from students, teachers, employers, alumni, and parents through course end feedback, exit feedback, employer feedback, Parent feedback and Alumni feedback. After collecting the feedback from the stakeholders, the contents of feedback are analyzed and the important suggestions will be forwarded to the Department committee and department Advisory Committee to suggest possible changes in the course content and structure for the design of next curriculum. Exit Feedback is collected to measure the satisfaction level of students and to identify the necessary steps for improvement. Feedback is also collected on institutional resources and services such as class room, laboratory and computer center facilities and also on other supporting facilities and services like library, sports and games and hostels. A consolidated result will be forwarded to the appropriate departments for necessary improvements. Student Feedback is collected thrice in a semester on Course delivered by Faculty and HOD of respective Department Counsel those faculty members who have secured low scores and negative comments. Alumni and Employer Feedback is taken on Vision, Mission, PEOS and PSOs and also on curriculum on regular intervals to improve the quality of the teaching- learning process</p>

## 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	120	84	84
BTech	EEE	120	112	112
BTech	Mechanical	240	180	180
BTech	ECE	321	321	321
BTech	CSE	192	192	192
BTech	IT	64	64	64

[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
2019	953	34	236	10	10

## 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	Number of smart classrooms	E-resources and techniques used
256	225	12	24	5	10

[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)

The institution follows a structured mentoring system where a faculty mentor is assigned to each and every student. The scheduled counseling sessions are conducted and the remarks of the counseling are recorded in the counseling book. The subject experts and class teachers through classroom interaction and counseling classes, identifies the strengths and weakness of individual students. The faculty members will identify the student's strengths as early as possible and find ways to develop them rather than focusing on weakness.

**Advanced Learners: Identification of Advanced Learners:**

- Students with a CGPA/Percentage of 8 or 75 and above are identified as Advanced Learners.
- Students are also identified based on their performance in the class.

**Methodologies to support Bright Students:**

- Students will be encouraged and guided based on their area of strength.
- Students are encouraged to participate in the International and National level Inter Institute Events, Project Exhibitions, Annual Student Technical Symposium (STRIDES), NPTEL online certification courses, Coursera Certifications, Smart India Hackathon, Coding Competitions etc..
- Institution is organizing various training sessions (in-house and external experts) on enhancing employability skills.
- Awards, rewards and gold medals are distributed to the students in various occasions.

**Slow Learners: Identification of Slow Learners:**

- Based on the previous semester end examination result, students who failed in each course are identified as slow learners for that course.
- Based on the performance of the students in the first internal examination (Mid-I), i.e., students who secured less than 40 marks are identified as slow learners for each course in the current semester.

**Methodologies to Support Slow Learners:**

- Makeup classes are conducted to the students in the courses of the current semester and handouts, lesson notes, previous end exam question papers with solutions are given so that they can improve their learning skills.
- Remedial classes are conducted to the students who

failed in the regular examinations. Handouts, lesson notes and previous end exam question papers with solutions are given so that they can improve their learning skills. • Institution is focusing on organizing training sessions on enhancing soft and communication skills for the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4137	256	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
234	256	Nil	57	32

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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

## 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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
1110	4137	26

## 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)

<a href="https://pragati.ac.in/">https://pragati.ac.in/</a>
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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
1	BTech	Civil Engineering	137	104	87.96



2	BTech	Electrical & Electronics Engineering	141	130	94.32
3	BTech	Mechanical Engineering	274	261	96.02
4	BTech	Electronics & Communication Engineering	324	314	95.26
6	BTech	Computer Science & Engineering	176	166	92.20
12	BTech	Information Technology	58	51	75.91
<a href="#">View File</a>					

## 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://pragati.ac.in/naac/studentsatisfactionsurvey/>

## 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.M.Radhikamani
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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
No Data Entered/Not Applicable !!!				
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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
Any Other	Nill	AICTE	19.2	19.2

(Specify)				
Any Other (Specify)	Nil	AICTE	5	5
Major Projects	180	DST	14.7	14.7
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

3
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### 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
Successful Entrepreneur "Deepinder Goyal", Zomoto, Organized By Entrepreneurship Development Cell	127	10/02/2020
Successful Entrepreneur "Shravan Sanjay Kumaran"- Go Dimension App Organized By Entrepreneurship Development Cell	107	11/07/2019
Successful Entrepreneur "Ritesh Agarwal , OYO , Organized By Entrepreneurship Development Cell	114	21/11/2019
case study of Successful Entrepreneur "Deepinder Goyal" founder of zomoto	127	22/12/2020
Live session on SIH 2020 by DR Mohit Gambhir , Innovation Director, MHRDS Innovation cell(MIC) for III B Tech Students.	98	24/01/2020
An interaction session on " CHALLENGES IN ENTREPRENEURSHIP" with B.Tech(II III Year) students by Mr.MD Abdullah, CEO, Conduit.	122	07/09/2020
A One Day Seminar On " AWARENESS ON ENTREPRENEURSHIP" for students attending E-SUMMIT-2020 BY students of IIT Bhubaneshwar	124	12/12/2019

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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
No Data Entered/Not Applicable !!!				
No file uploaded.				

### 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
No Data Entered/Not Applicable !!!					
No file uploaded.					

## 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	2
Basic science and humanities	2

### 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	Electrical Electronics Engineering	4	Null
International	Mechanical Engineering	14	Null
International	Electronics Communication Engineering	18	Null
International	Computer Science Engineering	25	Null
International	Information Technology	10	Null
International	Basic Science and Humanities	3	Null
No file uploaded.			

### 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
Information Technology	2
Computer Science Engineering	22
Electronics Communication Engineering	14
Mechanical Engineering	13
Electrical Electronics Engineerin	1
No file uploaded.	

### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Method and Device for Monitoring the Critical Parameters of Oil pipeline	Published	201911047782	12/06/2019
Design of a Textile Array Antenna	Published	201941036705A	10/11/2019
No file uploaded.			

### 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
No Data Entered/Not Applicable !!!						
<a href="#">View File</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
No Data Entered/Not Applicable !!!						
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Presented papers	26	10	Null	Null
No file uploaded.				

## 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
No file uploaded.				

## 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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

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
Best NSS Programme Officer Award	Mr P Raj Shekhar Phaneendra	JNTUK, Kakinada	Nil
Best Faculty Award	Mr B Rajesh Kumar	ESN publications, Chennai	Nil
Best SPOC Award for the SWAYAM- NPTEL Local Chapter	Mr M V rajesh	NPTEL PIC Director, IIT Madras	Nil
Best Researcher Award	Dr M Radhika Mani	Institute of Bioinformatics and Computational Biology	Nil
Best Faculty Award	Mrs P Sri Lakshmi	Indian Servers in Association with Lions Club International, Telangana IT Association	Nil
'C'certificate	'C'certificate	NCC Certificate exam NCC Certificate exam	13
'B'certificate	'B'certificate	NCC Certificate exam NCC Certificate exam	39
State level Youth Festival -NSS	Mr S. Mukesh Krishna Reddy, III Prize in Debate Competition Category	GITAM,VIZAG under JNTUK,Kakinada	Nil
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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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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
0	0	0	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
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

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
Talent Sprint (Talent Sprint Centre of Excellence)	11/09/2020	Training students	720
UiPath	26/06/2020	Training students	650
AWS academy	30/09/2020	Training students	450
Wipro TalentNext	10/07/2020	Training students	720
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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
398.8	140

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Nil
Seminar Halls	Nil
Classrooms with LCD facilities	Nil
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

## 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
KOHA	Partially	3.04.02.000	2010

### 4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
<b>No Data Entered/Not Applicable !!!</b>			
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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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

## 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	1074	910	935	25	60	24	30	110	0
Added	0	0	0	0	0	0	0	150	0
<b>Total</b>	<b>1074</b>	<b>910</b>	<b>935</b>	<b>25</b>	<b>60</b>	<b>24</b>	<b>30</b>	<b>260</b>	<b>0</b>

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

260 MBPS/ GBPS
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### 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
Scratch Programming	<a href="https://youtu.be/q3ca5TJwk4">https://youtu.be/q3ca5TJwk4</a>
Computer Graphics	<a href="https://youtu.be/4Qp7h6sIaKY">https://youtu.be/4Qp7h6sIaKY</a>
Scratch Programming	<a href="https://youtu.be/I5KZhTZzV9M">https://youtu.be/I5KZhTZzV9M</a>
Scratch Programming	<a href="https://youtu.be/92mugsFf4Es">https://youtu.be/92mugsFf4Es</a>
Data Warehousing and Data mining	<a href="https://youtu.be/lPdzw1Zl1jM">https://youtu.be/lPdzw1Zl1jM</a>
Software Engineering	<a href="https://youtube/EG8ZJ_vEQWM">https://youtube/EG8ZJ_vEQWM</a>
Design and Analysis of Algorithms	<a href="https://youtube/AQheF1SP00A">https://youtube/AQheF1SP00A</a>
Formal languages and Automata Theory	<a href="https://youtube/qHN48n2BlW8">https://youtube/qHN48n2BlW8</a>
Java Programming	<a href="https://youtube/j0C51zfOH-s">https://youtube/j0C51zfOH-s</a>
Network Security	<a href="https://youtube/OqRo2sYxFy8">https://youtube/OqRo2sYxFy8</a>

Data Structures through C	<a href="https://youtube/TQkNB07yoZg">https://youtube/TQkNB07yoZg</a>
Software Engineering	<a href="https://youtube/j15QW2NRd1Y">https://youtube/j15QW2NRd1Y</a>
Data Structures	<a href="https://youtube/HMUArUqfF8s">https://youtube/HMUArUqfF8s</a>
Java Programming	<a href="https://youtu.be/ihHDLTwax">https://youtu.be/ihHDLTwax</a>
Single stage air compressor	<a href="https://www.youtube.com/watch?v=AnvYroo85-M">https://www.youtube.com/watch?v=AnvYroo85-M</a>
Trusses Derivation in FEM	<a href="https://www.youtube.com/watch?v=S_h3xhf_tPBE&amp;t=70s">https://www.youtube.com/watch?v=S_h3xhf_tPBE&amp;t=70s</a>
IC Engines and their Classifications	<a href="https://www.youtube.com/watch?v=t9IbACGgKn8">https://www.youtube.com/watch?v=t9IbACGgKn8</a>
Rankine Cycle	<a href="https://www.youtube.com/watch?v=t9IbACGgKn8">https://www.youtube.com/watch?v=t9IbACGgKn8</a>
Projection of Solids	<a href="https://www.youtube.com/watch?v=n00bwF_joBs">https://www.youtube.com/watch?v=n00bwF_joBs</a>
Heat Conduction Equation	<a href="https://www.youtube.com/watch?v=cYsj340i-Jc">https://www.youtube.com/watch?v=cYsj340i-Jc</a>
Gas turbines	<a href="https://www.youtube.com/watch?v=XOe-at8_MX0">https://www.youtube.com/watch?v=XOe-at8_MX0</a>
Transportation problem	<a href="https://www.youtube.com/watch?v=jCPxUOwFm_4">https://www.youtube.com/watch?v=jCPxUOwFm_4</a>
Air Refrigeration System	<a href="https://www.youtube.com/watch?v=GAEPuAAxtbw">https://www.youtube.com/watch?v=GAEPuAAxtbw</a>
Vector Calculus	<a href="https://www.youtube.com/watch?v=6p8LkhLvTs">https://www.youtube.com/watch?v=6p8LkhLvTs</a>
Electromagnetic Wave	<a href="https://www.youtube.com/watch?v=MFazWjyQ-7w">https://www.youtube.com/watch?v=MFazWjyQ-7w</a>
Communication	<a href="https://www.youtube.com/watch?v=5FJA2gyhQLw">https://www.youtube.com/watch?v=5FJA2gyhQLw</a>
Wireless Sensor Networks	<a href="https://www.youtube.com/watch?v=eVB2gJg4y8M">https://www.youtube.com/watch?v=eVB2gJg4y8M</a>
Wiener Filter	<a href="https://www.youtube.com/watch?v=JJHlTyyCfng">https://www.youtube.com/watch?v=JJHlTyyCfng</a>
Satellite Communications	<a href="https://www.youtube.com/watch?v=VBB2vdvBjCQ">https://www.youtube.com/watch?v=VBB2vdvBjCQ</a>



Image Segmentation	<a href="https://www.youtube.com/watch?v=xOyXdso_OVI">https://www.youtube.com/watch?v=xOyXdso_OVI</a>
CMOS Inverter	<a href="https://www.youtube.com/watch?v=5l86r1e6zA4">https://www.youtube.com/watch?v=5l86r1e6zA4</a>
Antenna Propagation	<a href="https://www.youtube.com/watch?v=mQkd5yhkc10">https://www.youtube.com/watch?v=mQkd5yhkc10</a>

#### 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
626	550	393.56	295

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

The institution has defined procedures for maintaining physical, academic and support facilities as per the maintenance policy. MAINTENANCE SECTION: Across all departments, the college has competent and skilled personnel to carry out maintenance tasks. Academic facilities such as classrooms, laboratories, skill-related workshops, conference halls and seminar halls have their own financial allocation. Furthermore, general facilities such as sports and games rooms, washrooms, and landscaping are all maintained with a budget set aside for them.

1. Physical Facilities Electrical Maintenance: The campus has powerhouse which takes responsibility of supplying uninterrupted power to the entire campus. The maintenance of generators and solar panels are done through periodic visits for their proper functioning. These are maintained by Electrical Maintenance Committee headed by the faculty from Electrical Department. The department also has faculty and supporting staff to oversee the maintenance of generators, lighting loads, solar plant etc. Systems and Internet Facilities Maintenance: Replacement or repair of computers and accessories, hardware upgrades, software installations and upgrades, Wi-Fi maintenance, and troubleshooting issues are all included in the maintenance services under the supervision of Systems and Internet Facilities Committee. Furniture Maintenance: The Department of Mechanical Engineering maintains the central workshop facility which provides the services including custom fabrication of cabinets, desks, counter tops, installation of doors and windows, and frames for displaying banners Building Maintenance: A Supervisor is responsible for new construction works and the civil maintenance of buildings including laying and maintenance of the plumbing, water pipelines, and sanitary fittings following the internal operating procedure. 2. Academic Facilities: Library: The Librarian and his support personnel are in charge of the librarys upkeep. The library conducts internal audits on a regular basis to ensure that the volumes are in good condition. The librarian interacts with students and staff on a regular basis to learn about their needs and take the appropriate steps to address them. Laboratories: • The in-house maintenance and repairs are addressed by the respective department technicians who are qualified and trained. • Major problems and repairs will be attended in consultation with the suppliers following the central purchase procedure. Classrooms: • Every Department has a faculty in-charge who will periodically check the condition of classroom / laboratory amenities like benches, chairs, black boards, fans,

lights, and LCD's. • The in charge will resolve the problem through the Head of the Department following the internal operating procedure. Computer Facilities: • Around 935 computers are available for the students. • Computers and software in the laboratories are maintained by computer hardware technicians under the supervision of IT Manager. 3. Supporting Facilities: Sports: • The upkeep of sporting facilities including Gym facilities is the responsibility of the physical education department, which is managed by a physical director and supported by support staff. The department maintains the sports ground on a regular basis, either in-house or through a third party. 4. Other Facilities: • The Institute has RO plant, which provides purified drinking water facility. • Adequate water coolers are available in the college to provide clean drinking water.

<https://www.pragati.ac.in>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Pragati Scholarship	179	2250000
Financial Support from Other Sources			
a) National	Ap Government Fee Reimbursement	2669	132255000
b) International	Nil	Nil	Nil
No file uploaded.			

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
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

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	CAREER GUIDANCE FOR STUDENTS ASPIRING TO GO TO OVERSEAS	236	Nil	Nil	Nil
2020	HIGHER EDUCATION THROUGH GRE	145	Nil	6	Nil
2019	CAREER IN	231	Nil	9	Nil

	GLOBAL EDUCATION SYSTEM				
2019	CAREER OPP ORTUNITIES IN CORE ENGINEERING SECTOR THROUGH GATE AND ESE	892	Nil	Nil	Nil
2020	MOCK GATE 2020	756	Nil	14	Nil
2019	HOW TO MEMORIZE FASTERAND RETAIN IT FOR LONGER DURATION AND AND CAREER ASPECTS AFTER B.Tech	931	Nil	Nil	476
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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
Nil	Nil	15

## 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
38	756	500	5	158	6
<a href="#">View File</a>					

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
2020	Nil	Nil	Nil	Nil	Nil
<a href="#">View File</a>					

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	3
Any Other	11

CAT	9
GRE	6
No file uploaded.	

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

Activity	Level	Number of Participants
Sport Day	Institute	246
No file uploaded.		

### 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
No Data Entered/Not Applicable !!!						
<a href="#">View File</a>						

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

Students have active representation on academic and administrative bodies and committees of the Institute. Class Monitoring Committees All programmes have class committees for each course that comprise of student members representing meritorious as well as weak students, along with faculty members nominated by the Head of the Department, other than the course teacher. The Class Monitoring Committees provide feedback on all aspects of the programme and respective course. Class Monitoring Committee Meetings are held regularly, at least twice in each semester. Cultural and Sports Committees Students have strong representations in all cultural and sports and games committees and help in organization and management of events. Organization of Special Events Students organize, and celebrate the National Teachers Day, on Sept. 5, every year by honoring retired teachers and presenting cultural programme, intra-faculty and inter-faculty cultural and sports competitions, PRISM Cultural activities and other National celebrations that include, Independence Day, Republic Day, Engineers Day, Science Day and various NSS and social service activities. The Institute also encourages participation of student representatives in various decisions making, academic and administrative committees, this enable them in acquiring better academic environment. Student opinions and suggestions are considered to take measures in view of students perception. Institute puts efforts for the all-round development of a student. They take part in various professional society chapters like IEEE, ISTE, and CSI. Also student members are involved in several Institute and Department level committees with active participation. They are explained below. Internal Quality Assurance Cell (IQAC): Student representatives are nominated for this cell, who participate in the decisions regarding the quality initiatives of the institute. Hostel Committee: They play major role regarding food quality, hygiene and other general facilities. They voluntarily monitor day to day activities and bring to the notice of the warden immediately. Class Committee (CC): It consists of HOD, faculty handling the particular section and student representatives in each class. They discuss the conduct of class work, delivery of lecture and overall discipline. Based on the minutes of the CIC meeting, action is initiated to improve the academic performance of the class. The National Cadet Corps (NCC) is encouraged in the institute aiming at the development of leadership, character, comradeship, spirit of sportsmanship and the ideal of service, among

the youth. NSS is also encouraged in the institute enabling the student to participate in service activities like organizing blood donation, rural health sanitation, adult education, and environmental awareness camps in the neighbouring areas as a social responsibility

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

we have registered Alumni Association formed in 2006, Alumni are one of the main stakeholders of the Institute as they contribute immensely to the development of the College in multiple dimensions. Alumni of the Institute visits regularly to college and conducts guest lectures and Mock interviews to students . They also provide mentoring services to all department students to understand the industry institute gap and also the way to plan and shapeup their career in right direction and making the students to understand various business opportunities and providing all the support required for preparing the students to become industry ready or to make as entrepreneurs by knowing the current dynamics of the industry. The college is conducting many alumni based events like online virtual meets, Reunions for each of the batch, Mentoring sessions, Guest lectures and knowledge sharing sessions, During the events, the Alumni are sharing their success stories to the ongoing students. Alumni are invited for participating in their respective BoS for curriculum updates and in reviewingthe syllabi, bridging the gap between industry requirements and academics by restructuring the syllabi.

5.4.2 – No. of registered Alumni:

2639

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Guest lectures, Online Alumni Meets, BoS meeting

### **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)

Decentralization Institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards decentralized governance system. 1. Principal Level The Governing Body delegates all the academic and operational decisions based on policy to the College Academic Committee headed by the Principal in order to fulfill the vision and mission of the institute. College Academic Committee formulates common working procedures and entrusts the implementation with the faculty members. 2. Faculty Level Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular, and extracurricular activities. They are given authority to conduct industrial tours and to have tie up with industry experts and appointed as coordinator and convener for organizing seminars/workshops/conferences/FDPs. For effective implementation and improvement of the institute following committees are formed. Other units of the institute like sports, library, store etc. have operational autonomy under the guidance of the various committees/cells 3. Student Level Students are

empowered to play an active role as a coordinator of co-curricular and extracurricular activities, social service group coordinator. Participative management The institute promotes a culture of participative management by involving the staff and students in various activities. All decisions of the institution are governed by management of facts, information and objectives. Both students and faculties allowed to express themselves of any suggestions to improve the excellence in any aspect of the Institute. Strategic Level ? The principal, head of the departments and staff members are involved in defining the policies and procedures, framing guidelines and rules regulations pertaining to admission, placement, discipline, grievance, counseling, training development, and library services etc., and effectively implementing the same to ensure smooth and systematic functioning of the institute. ? For the various programs to be conducted by the institute all the staff members will meet, discuss, share their opinion and plan for the event and form various committees involving students and coordinate with others. ? Staff members are also involved in deciding academic activities and examinations to be conducted by the college. Functional Level ? At functional level the faculty members participate in sharing the knowledge by discussing on the latest trends in technology during faculty meeting. Staff members are involved in preparation of annual budget of the institute. They also correspond with the University and AICTE. ? Faculty members also write joint research papers and share their knowledge. Operational level ? The principal of the institution is a member secretary of the GB. The GB gives suggestions and monitors the procurement, introduction of new programs and welfare activities. ? The Principal of the institution is responsible for academic, nonacademic and administrative activities of the institution. ? On behalf of the institution, he interacts and corresponds with AICTE, , Govt. of Andhrapradesh, UGC, Affiliating University JNTUK, etc., ? The budget is earmarked for staff members and students to participate in various programmes organized by the institute.

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

Yes

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	BoS is constituted with Academic and Industry Experts, Alumni also plays important roles in framing Curriculum to meet the needs of the country
Teaching and Learning	Provision of State-of-the art learning resources in Central Library Information Centre and department libraries. Digital Library with subscription to well reputed online journals. Development of student support material. Organizing Remedial classes. Delivery of Add-on-courses. Conduct of placement training sessions. Conduct of GATE coaching classes. Structured course files and lab manuals on all courses. Academic audit. Continuous improvement of resources. Separate Committees are constituted to look into the activities related to specific disciplines like RD, TP, Career

	guidance, Entrepreneurship development, NSS, NCC and Cultural activities.
Research and Development	<p>To imbibe research culture among students and staff, RD cell has been constituted with the following members. The objectives of this cell are :</p> <ul style="list-style-type: none"> <li>To raise the level of research in the emerging areas of different fields of engineering.</li> <li>To facilitate students to publish papers and undertake projects in the advanced areas of engineering.</li> <li>To contribute to the training and research needs of community.</li> <li>To foster international cooperation and collaboration.</li> <li>To enhance the industry awareness of the research and implement the results.</li> <li>To conduct certificate courses in the different fields of engineering.</li> </ul>
Human Resource Management	<p>Top management ensures quality in teaching learning activities by.</p> <ul style="list-style-type: none"> <li>• Transparent policies.</li> <li>• Systematic selection procedure.</li> <li>• Systematic self and performance appraisal system for faculty.</li> <li>• Support for Academic advancement.</li> </ul> <p>Congenial atmosphere for team work</p>
Industry Interaction / Collaboration	<p>In accordance to mission statement, the management encourages and provides adequate support for continuous industry -institute interaction by Signing MoUs with various reputed organizations. Obtaining feedback from industries for strategic planning. Organizing guest lectures by Industry personnel. Developing rapport with industry personnel for getting placements and internships. Organizing industrial visits to local and nearby industries Providing consultancy services to various industries.</p>

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

E-governance area	Details
Examination	<p>BET is the first version of examination cell automation software. The entire pre and post examination process is executed using BET. This interface will help the student users to view their performance and feedback through online. This interface is used to maintain exam fee set up, curriculum. allotment, marks setup for different courses, examination timetables, exam fee challan</p>

	generation, omr codes generation, promotion of students from the current semester to the next semester, details of attendance shortage and credit shortage, creation of changes in the academic year and financial year and for various other purposes
Student Admission and Support	ECAP is college automation package used in the college for immediate availability of data in required formats. It increases the transparency and accountability in administration. Using this tool students marks and attendance are analyzed. Log in Id and password is created for every student and faculty for quick access and tracking of the records. It is used to maintain academic, correspondence and counseling details of students.

### 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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)
2020	A free and open source EDA tool	Nil	15/06/2020	19/06/2020	356	Nil
2019	Recent Trends in Power Electronics Applications in Smart Grid, Electric Vehicles and Renewable Energy	Nil	26/08/2019	31/08/2019	42	Nil



2020	One week online FDP on Python organized by Department of IT in a ssociation with SpokenTutorial, IIT BOMBAY.	Nil	08/06/2020	13/06/2020	895	Nil
2020	Python Web Application Framework Using FLASK and DJANGO	Nil	01/06/2020	06/06/2020	414	Nil
2019	FIVE DAY ONLINE FDP ON QGIS	Nil	29/06/2020	04/07/2020	563	Nil
Nil	ARDUINO BASED LOW COST DATA ACQUISITION SYSTEM USING SCILAB	Nil	08/06/2020	13/06/2020	340	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
No Data Entered/Not Applicable !!!				
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
234	234	182	182

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
As a part of Performance appraisal, based on High Pass Percentage in the courses taught by the faculty, the incentives are given	supporting staff are encouraged to continue their education for improvement of their qualification personal accidental insurance for	personal accidental insurance for students Merit scholarships

Based on feedback and Result in examinations, non-financial incentives/measures are given Based on publication of research works in Journals by the faculty, the incentives are given Based on FDP training programs conducted or attended by the faculty, the incentives are sponsored to those faculties Based on faculty Membership in Professional Bodies, the incentives are sponsored to those faculties Based on performance in NPTEL Online Certification Courses , the incentives are sponsored Incentives are given to the faculty who completed 10 Years/ 15 Years of service personal accidental insurance for Teaching staff

non teaching staff

#### 6.4 – Financial Management and Resource Mobilization

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

Internal Audit Organization's accounting section records financial transactions using Tally ERP 9.0 software every day. Accounting section staff verifies the transactions once in a quarter. This includes examining internal controls around accounting, financial reporting, and IT general controls. External Audit External Auditors have been appointed by the institution as per the statutory requirement. The External Auditor conducts audit in accordance with the Generally Accepted Accounting Policies, applicable Financial Reporting Framework, Statutory Provisions and regulations, etc. External audit is conducted to enhance the overall quality of organization's financial statements to enable users such as the govt. agencies and other stakeholders gain more confidence in the organization's activities. Auditors verify the registers such as minutes of the governing body, student's fee register, and cash book and counter files of receipts etc. Thus auditors confirm effectiveness of internal check of accounting. Auditors also review financial statements to certify the financial position of the institution.

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
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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	Null	Yes	Null
Administrative	Yes	Null	Yes	Null

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

1) Informal meetings are being conducted to identify the issues related to students. 2) Parent teacher association is not in existence. However, feedback from parents is collected at times and it is analyzed for taking measures further development of the Institution at all levels

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

1. Supporting staff are encouraged to continue their education for improvement of their qualification. 2. Supporting staff are encouraged to participate in the upskilling and knowledge enhancing sessions

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

1) Welfare measures for faculty 2) Internal and External Academic Audit is implemented 3) Faculty Development programmes/Faculty knowledge enhancement programmes are being conducted frequently

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
2020	Awareness on Online Classes	06/04/2020	06/04/2020	06/04/2020	2856
2020	PEP portal Usage for Quiz	04/05/2020	04/05/2020	Null	75

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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 Womens Day	08/03/2020	08/03/2020	187	65

International Day for the Elimination of Violence against Women	15/11/2019	15/11/2019	274	48
Seminar on Women's Health: Issues and Remedies	16/10/2019	16/10/2019	188	52
Seminar on gender sensitivity and social cohesion	11/09/2019	11/09/2019	262	32

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
<p>Solar Power Generation plant: Pragati Engineering College(A) with its innate social and environmental Consciousness as a part of its progressive development has established a Solar power generation plant in the college on 24-3-2018. 615 solar panels established over the main block having the capacity to generate 200kw power is connected to 4 inverters each of 50kw i.e.,200kw power storage which is sent to Surampalem Substation Grid. The solar plant is regularly monitored by the team of the Department of Electrical Engineering with respect to generation, Utilization, and unused power transferred to Grid.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4512
Provision for lift	No	Nil
Ramp/Rails	Yes	12
Rest Rooms	Yes	Nil
Braille Software/facilities	No	Nil

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
2020	1	1	24/01/2020	1	Poster Presentation on Save Girl	Initiatives of girl child protection, women empowerment	267
2019	1	1	22/08/2019	1	Seminar on Say NO to	Anti ragging rules	280

					RAGGING	,Pledge and information of important officials on urgency, and punishments if found in ragging activity	
2019	1	1	27/06/2019	1	Green Initiative by NSS	Awareness on Environment Protection and need for plantation on regular practice	186
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#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
National Education Day Celebrations	11/11/2019	On 11.11.2019, National Education Day conducted in the campus by NCC.National Education Day is celebrated across the country, every year on November 11, to commemorate the birth anniversary of India's First Education Minister Maulana Abul Kalam Azad.Maulana Abul Kalam Azad served the country from 1947 to 1958 as the first minister of Education in Pandit Jawaharlal Nehru's cabinet.
International Yoga Day	21/06/2019	International Yoga Day celebrated in the college campus by NCC on 21.6.2017. NCC Coordinator addressed the participants and expressed how the Yoga helps to install confidence and to bring learning to students on an experiential level.Yoga helps to

		install confidence and to bring learning to students on an experiential level. Yoga teaches them to persevere, be patient, and work towards their goals. Yoga also provides tools for practicing compassion, mindfulness, generosity, focus, strength and flexibility.
Teachers Day celebrations	05/09/2019	It is Celebrated annually on September 5 to mark the birth anniversary of Dr Sarvepalli Radhakrishnan. Teachers Day is marked to show honour and gratitude to all teachers, mentors and guides. Teachers are also recognised for their unspokrn contribution to the development of Society. On 5.9.2019, Teachers Day celebrated in the college campus on this event the principal of the college greeted all the faculty.
Constituent Day Celebrations	26/11/2019	November 26 was officially earmarked as the Constitution Day of India by Prime Minister Narendra Modi in 2015 as part of the year-long celebrations of the 125th birth anniversary of Dr. BR Ambedkar. The governments decision was seen as a move to claim Ambedkars legacy, aimed to promote Constitution values among citizens and its architect, Dr. BR Ambedkar. It was celebrated in the college on 26.11.2028.
Celebration of National Integration day by NSS	24/09/2019	On 24.09.2019 celebrated a National Integration Day by the NSS. National integration is really important for a vast country like India. India is a multi-lingual and multi-racial country.

From time immemorial people from different communities, castes and religions are living here peacefully. In fact, unity in diversity is the strength of our civilization. Religious intolerance affect the unity, integrity and solidarity of the country. It must be removed from the country at any cost and removal of poverty and castes are also the need of the hour.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction Program	05/08/2019	24/08/2019	920
International Yoga Day	21/06/2019	21/06/2019	211
Womens Day Celebration	08/03/2020	08/03/2020	252
Seminar on Plastic Pollution	05/06/2019	05/06/2019	176
Awareness Campaign on Save water	02/03/2020	02/03/2020	146
Seminar on Work Ethics	21/05/2020	21/05/2020	214
Online program on Awareness Programme on Covid-19	25/03/2020	25/03/2020	2156
Awareness programme on Work from Home	06/04/2020	06/04/2020	178
Awareness programme on Online Teaching	12/04/2020	12/04/2020	136
Awareness programme on stay home and stay safe	11/05/2020	11/05/2020	272
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Sprinkler system is used for Greenery and Lawns 2. The plantation is set in the majority of places of the campus and maintained to make the campus as eco-friendly • 3. Swachh Bharat program 4. water harvesting 5. plastic-free environment

7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**Title of the practice:** "Conducting ONLINE Teaching-Learning Activities due to Covid-19 Pandemic  
**Objectives of the practice:** To conduct academic activities and engage students in their academic activities during lockdown due to Covid-19 pandemic. **The Context :** The institution was closed due to nationwide lockdown announced by the government to prevent spread of Covid-19 infection in March 2020. The pandemic situation seemed to last long for over a year. Stopping academic activities completely was a huge setback to students as well as the faculty. To address the issue ONLINE teaching-learning strategies were implemented effectively. **The Practice :** A one-week online orientation of online meeting apps usage including Microsoft Teams App, Zoom, Google Meet and Cisco WebEx app was conducted to students by the concerned subject teachers. Online classes and seminars were conducted as per the regular timetable by teachers. The faculty and students also attended many webinars and online workshops using online meeting apps. **Evidence of Success :** The teachers were able to complete the syllabus for the academic year 2019-20 well in time through online teaching in spite of lockdown. Hence it was possible to conduct internal examinations and quiz through online platforms which was very important for their progression and career. **Problems Encountered:** Since the online teaching-learning activities were implemented all of a sudden due to Covid-19 lockdown the teachers and students had to adopt with the usage of technology overnight.

**Title of the practice:** "Awareness on Covid-19 and precautions and Measures"  
**Objectives of the practice:** To conduct awareness sessions to students and Faculty about impact of Covid-19 on health and measures to be taken during lockdown and when conducting offline Examination. **The Context :** The institution was closed due to nationwide lockdown announced by the government to prevent spread of Covid-19 infection in March 2020. The pandemic situation seemed to last long for over a year. Due to limited knowledge and negligence some of the students and staff are affected by Covid symptoms, so special sessions are conducted through online for staff and students from reputed doctors and Health Department Advisors. **The Practice :** A 2-day Online class was conducted for Staff and students by Dr. Sarojini about symptoms of Covid-19 and measures and precautions to be taken during this pandemic. Senior Faculty members conducted a session to educate students to maintain social distance when going out and also advised to wear masks and use sanitizers regularly at the point of contact. Students' Leaders are nominated to know the details of students and their parents' health and intimate to Class teachers. Management of Pragati purchased oxygen cylinders as there is a lot of shortage during Covid outbreak and provided to the members when and where required. Financial Aid is also provided to students who are affected by Covid and who cannot accommodate the Hospital Expenses. **Evidence of Success :** Due to a lot of Awareness Campaign and monitoring we have less Covid cases with 0 death rate. Also, the college is able to conduct Offline Examination successfully with the measures and precautions taken by the College.

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

<https://pragati.ac.in/>

### 7.3 – Institutional Distinctiveness

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

Pragati Engineering College, as an institution has some clear visionary principles which have been stated in the Prospectus of the College. Academic excellence and to be Excelled in R D is the vision of the College. As the college is located in an area which is economically and educationally backward comprising diverse groups of population, achievement of excellence is the most



important mission of the college. As the world is being developed with the new technologies, discovering and manipulating new ideas and concepts of online education are changing rapidly. In response to these changes, many states, institutions, and organizations have been working on strategic plans to implement online education. Pragati has tied up with the various online learning platforms of LinkedIn, Coursera, edX, , NPTEL and google class room. In presence of Instructors the students have participated in many online certification courses during this pandemic without disturbing their Academic. The faculty utilized the concept of work from home and registered to many courses to enhance their teaching and learning skills and same is presented to students. During this Pandemic time major part of the staff concentrated on research activities like publishing papers and writing patents.

Provide the weblink of the institution

<https://pragati.ac.in/>

### **8.Future Plans of Actions for Next Academic Year**

Institute has been initiating and implementing various activities to assure and improve quality in the different aspects of academics, co-curricular and extra-curricular activities and faculty development programmes. Another aspect, institute is focusing is social exposure to students and faculty by conducting extension activities. In view of the vision, mission and core values, institute has planned for following initiatives. 1. To apply for NBA Accreditation for 5 UG programs(ECE,CSE,ME,EEE, and IT) 2. Institute is planning to Organize more community service activities to contribute to the wellness of the society. Along with NSS and NCC Units, departments are involved in the organization of different social activities. 3. Industry is the major stake holder of technical institution. Continuous interaction between technical institution and industry is an essential requirement to enhance an employability of engineering graduates. Institute has been in association with various industries and providing very good industrial exposure to the students. In order to sustain and enhance the interaction with the industries, Institute has planned to focus on interaction with industry with the involvement of every faculty and students as well. Also, planned to firm up association with industry by signing MoU for formal collaboration. More focus through interaction with industry will be to motivate students for industry sponsored projects, for industrial internships. 4. To enhance the smooth functioning of library, institute has implemented Radio Frequency Identification (RFID) system. 5. Institute has formulated action plan for competitive examinations. To provide support to students who are willing to prepare for various competitive examinations and for creating conducive environment for students for the same. 6. Institute has developed "Entrepreneurship and Skill Development Cell" and planning for enhanced activities in this area. Skill development will be the focused area for enhancing employability of students. 7. Due to Covid Pandemic now its essential for students to be ready with both offline/Online class approach so effective utilization of ICT facilities is needed.