



Yearly Status Report - 2015-2016

Part A

Data of the Institution

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

2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	16-Jun-2016																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr. P.V.S.MACHIRAJU																		
Phone no/Alternate Phone no.	08852252233																		
Mobile no.	9246691641																		
Registered Email	drpvsm.res@gmail.com																		
Alternate Email	machiraju.pvs@pragati.ac.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://pragati.ac.in/igac/																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://pragati.ac.in																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>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														
6. Date of Establishment of IQAC	21-Apr-2014																		
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															
create awareness on IQAC activities	26-Oct-2015 1			174															

GATE/GRE classes from ACE academy	04-Jan-2016 2	512
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	0	NIL	2016 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

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)

Encouraging students to do inline certification courses Conducting GATE classes to final year students from experts conducted OBE based teaching and learning sessions to students

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

Plan of Action	Achievements/Outcomes
To impart Quality Education	(i) Quality of Assignments and Teaching Aids tools are enhanced. (ii) Provision of additional Infrastructural facilities. Enhanced learning environment. (iii) Semester wise

Academic Data from HODs is collected and analyzed.

[View File](#)

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	2016
Date of Submission	13-Feb-2016
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Yes, Institute has its own MIS developed by the faculty to manage general administration, examinations, students attendance and continuous evaluation process.

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	NIL	NIL	Nil
Mtech	NIL	NIL	Nil

[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	NIL	Nil	NIL	Nil
Mtech	NIL	Nil	NIL	Nil

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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
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BTech	Civil Engineering (02)	29/06/2015
BTech	Electrical & Electronics Engineering (08)	29/06/2015
BTech	Mechanical Engineering (02)	29/06/2015
BTech	Computer Science & Engineering (11)	29/06/2015
BTech	Information Technology (13)	29/06/2015
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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	29/06/2015
Mtech	ALL Programs	29/06/2015

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
Basic Electrical Circuits	04/01/2016	8
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	60
BTech	Electrical & Electronics Engineering	138
BTech	Mechanical Engineering	129
BTech	Electronics & Communication Engineering	128
BTech	Computer Science & Engineering	96
BTech	Information Technology	25
Mtech	Power Electronics & Electric Drives	8
Mtech	VLSI System Design	6
Mtech	Embedded Systems	2
Mtech	Computer Science	2
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

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

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	116	116
BTech	EEE	120	110	110
BTech	Mechanical	240	231	231
BTech	ECE	300	293	293
BTech	CSE	180	178	178
BTech	IT	60	55	55

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2015	983	34	210	18	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
240	198	6	12	5	11

[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 of 8 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. ii. 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
3143	238	1:13

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
238	238	Nil	Nil	23

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
2016	NIL	Nil	NIL

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	NIL	NIL	Nil	Nil
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

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

2.6 – Student Performance and Learning Outcomes

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

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

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
01	BTech	Civil Engineering	60	54	90.00
02	BTech	Electrical & Electronics Engineering	138	83	60.14
03	BTech	Mechanical Engineering	131	108	82.44
04	BTech	Electronics & Communication Engineering	144	118	81.94
05	BTech	Computer Science & Engineering	120	94	78.33
12	BTech	Information Technology	25	24	96.00

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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)

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

Mr.P.Satyanarayana

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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
National	NIL	NIL	Nil	NIL
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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
Minor Projects	730	UGC-SERO	420000	399000
Major Projects	730	BRNS, BARC	2694000	1825950
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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
A One Day Workshop on "Entrepreneurship and Leadership Development" by Dr. SrinivasRao.A, Associate Professor – Management, BITS Pilani – Dubai Campus.	Entrepreneur development cell	27/07/2015
A One Day Entrepreneurship	Entrepreneur development cell	10/08/2015

orientation programme is organized by National Small Industries Corporation Limited (NSIC) for III B.Tech students.		
A One Day Workshop on "Start ups and Entrepreneurship Orientation" by Prof. N.M.Bhatta, IIM Indore.	Entrepreneur development cell	11/03/2016
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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
NIL	NIL	NIL	Nil	NIL
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
CSE	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	Electrical and Electronics Engineering	14	Nil
International	Mechanical Engineering	7	Nil
International	Electronics and communication Engineering	4	Nil
International	Computer Science Engineering	31	Nil
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electrical Electronics Engineering	1
Electronics Communication Engineering	1

Computer Science Engineering	7
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
NIL	Nil	0	Nil
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Performance of Eleven Level ZETA Converter based Multi String Multi Level Inverter fed Three Phase Induction Motor Drive	Ms. Ch. V. V. Manga Lakshmi and Dr. K Satyanarayana	International Journal of Scientific Research	2016	0	Pragati Engineering College	Nil
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Presented papers	9	7	2	Nil
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
NIL	NIL	NIL	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
NIL	NIL	NIL	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
World Aids day program	Pragati Engineering College	2	36
One week communal harmony program	Pragati Engineering College	10	60
Fund rising programme for white cane day of Indian Association for Blind	Pragati Engineering College	2	12
A Blood Donation camp and a total of 185 donors donated their blood.	Pragati Engineering College	21	20
140th birthday celebration of Sardar Vallabhai Patel in association	Pragati Engineering College	3	50
Non Violence Week	Pragati Engineering College	3	36
Sadhavana Diwas programme	Pragati Engineering College	5	100
Independance Day Celebration	JNTUK, Kakinada	6	100
Medical health check-up camp	Pragati Engineering College	21	30
Yoga Training Camp	Pragati Engineering College	3	100
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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
Conduction of Blood Donation Camps	Certificate of Appreciation	Rotary Blood Bank ,Kakinada	117

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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 activities	Number of students participated in such activities
NCC	9(A) Air SQN (T) Pragati Engineering College	CATC-I camp	1	84

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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
NIL	0	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
Industrial Training	Interships	Vizag Steel plant	06/07/2015	18/07/2015	04
Industrial Training	Interships	Vizag Steel plant	13/07/2015	25/07/2015	6

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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
National Programme on Technology Enhanced Learning (NPTEL)	29/01/2016	Certification courses for students and Faculty	187

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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
36865500	41099094

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Video Centre	Existing
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 partially)	Version	Year of automation
KOHA	Partially	3.04.02.000	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Nil	Nil	Nil	Nil	Nil	Nil
Text Books	Nil	Nil	Nil	Nil	Nil	Nil
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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
Mrs. D Sirisha	High Performance Computing	Video Camera	09/06/2016
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	888	724	749	25	60	24	30	150	0
Added	0	0	0	0	0	0	0	100	0
Total	888	724	749	25	60	24	30	250	0

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

250 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
High Performance Computing	https://www.youtube.com/watch?v=JK1jZGs_bWZA

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
26150000	29668045	12677992	20427929

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)

Response: The institution has defined procedures for maintaining physical, academic and support facilities as per the maintenance policy. INTERNAL OPERATING PROCEDURE: There is a centralized maintenance section which is headed by a Maintenance Supervisor and supported by skilled technicians. This section takes care of maintenance of infrastructural facilities which includes plumbing works, electrical, carpentry, masonry and sewage works. The section receives maintenance requirements from the departments and other sections and undertakes the necessary work following internal operating procedures. 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. A separate cell called Maintenance Cell is in charge of general maintenance. The engineering branch of the Institution, which consists of skilled civil and electrical engineers, leads the cell. The cell also features a caretaker, supervisor, and other support workers with civil, electrical, and mechanical. The team oversees the cleanliness of the buildings, classrooms, laboratories, furniture, seminar halls, conference hall, campus ground, sports facilities, staff and students amenity areas, canteen etc. The cell also looks after the maintenance of generators, solar panels, sewerage treatment, rainwater harvesting pits, water coolers, RO water treatment, firefighting and fire alarm system, pest control etc. Housekeeping services are made available during daytime. Regular visits on a periodical basis are conducted by team head and based on the site conditions, renovations are proposed for works such as civil work, electrical work, painting, furniture etc. Students optimally utilize all classrooms during the daylong working hours and are also mentored to upkeep the furniture. The physical facility complaints are handled by maintenance cell. The complaints can be registered through phone or directly in the maintenance room.

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. The maintenance of all the above are taken care by this committee which conducts periodic examinations, and the status of computers and associated equipment for appropriate action. 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. The internal operating procedures are followed for maintaining the furniture in the institution.

<http://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 Scholarships	188	2880000
Financial Support from Other Sources			
a) National	Fee Reimbursement from State Government	1190	82373800
b) International	Nil	Nil	Nil

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Planning for a Successful Career in Engineering Education	01/02/2016	983	TCS

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2015	Career Guidance	722	931	4	261

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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
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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
20	621	248	6	272	15
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
Nil	Nil	0	0	0	0
No file uploaded.					

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	4
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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
:PRISM Cultural Day	Institute	276
Sports Day	Institute	364
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
Nil	NIL	Nil	Nil	Nil	Nil	NIL
No file uploaded.						

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

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 comprises 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 2009, 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 reviewing the syllabi, bridging the gap between industry requirements and academics by restructuring the syllabi.

5.4.2 – No. of registered Alumni:

1631

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Guest Lectures, Mock Interviews and Mentoring Sessions

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)

1. The College adheres to UGC guidelines, government policies and affiliating University guidelines on the implementation and review of welfare measures to the staff members. The College has constituted a welfare committee with the senior faculty members of the college. S.No Name Designation 1. Dr.G.Raghuram Director 2. Dr.G.Naresh Dean 3. Mr.S.Vamsi Kiran TPO 4. Dr.M.Radhikamani HoD-CSE 5. Mr.M. Raja Kumar Assoc Prof in CSE A detailed analysis of the welfare measures to be adopted and implemented by the college is carried out by the Committee and is placed before the College management for consideration and approval. The management takes all efforts to foster a family feeling on the campus and has approved all the recommendations put forward by the committee without any delay. The following proposals / recommendations are placed before the management for approval:

- All women employees who have completed the period of probation are entitled to maternity leave with half pay and allowances.
- Financial incentives for employees who serve the institution for 10 years-Rs.30,000/- and an additional amount for 15 years- Rs.20,000/-
- Casual leaves are enhanced from 12 days to 15 days in a calendar year.
- Employee children are eligible for tuition fee concession, on the basis of merit, if admitted to courses offered by the college.
- Employees, who upgrade their educational or professional qualification, become eligible for additional increments / qualification allowance.
- Faculty members are offered reimbursement of membership fees for recognized academic/ professional bodies/ associations with conditions per financial year.

2. Employees of the institution are well motivated as the management maintains cordial relations with all the staff members of the college, there by promoting family atmosphere. College encourages faculty participation in chalking out the road map for the development of the Institution and implementation thereafter. This is clearly evident in the inclusion of faculty representation in the apex decision making bodies like Governing Body, IQAC, CAC, etc. The college conducts frequent meetings with class representatives regarding various academic and non academic aspects. College maintains effective interrelations with the community and encourages participative management by:

- i. Maintaining student reporting procedures to parents.
- ii. Interacting with parents and other citizens.
- iii. Disseminated necessary information to parents, students, other stakeholders and public.

Management continuously provides and maintains funds and facilities by:

- i. Determining the need and planning for facility maintenance, and renovation expansion.
- ii. Determining and inventorying specifications for supplies and equipment.

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
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

To imbibe research culture among students and staff, RD cell has been constituted with the following members. The objectives of this cell are : To raise the level of research in the emerging areas of different fields of engineering. To facilitate students to publish papers and undertake projects in the advanced areas of engineering. To contribute to the training and research needs of community. To foster international cooperation and collaboration. To enhance the industry awareness of the research and implement the results. To conduct certificate courses in the different fields of engineering.

Human Resource Management

Top management ensures quality in teaching learning activities by.

- Transparent policies.
- Systematic selection procedure.
- Systematic self and performance appraisal system for faculty.
- Support for Academic advancement. Congenial atmosphere for team work

Industry Interaction / Collaboration

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.

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

E-governance area	Details
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<p align="center">Examination</p>	<p align="center">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 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</p>
<p align="center">Student Admission and Support</p>	<p align="center">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.</p>

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
Nill	NIL	NIL	NIL	Nill
No file uploaded.				

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)
2016	Big Image Data Processing On Hadoop Framework	Nill	19/03/2016	20/03/2016	43	Nill

2016	Soft Computing Techniques and	Nil	19/02/2016	20/02/2016	52	Nil
No file uploaded.						

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
NIL	Nil	Nil	Nil	0
No file uploaded.				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
238	238	244	244

6.3.5 – Welfare schemes for

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

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	NIL
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Null	Yes	Null
Administrative	No	Null	No	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	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2015	Autonomy in Private Institutions	08/06/2015	08/06/2015	08/06/2015	216
2015	Reforms in Examination in Autonomous Institutes	16/11/2015	16/11/2015	16/11/2015	36
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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
Seminar on Women Empowerment	19/09/2015	19/09/2015	21	231
Awareness of Law and Criminal Justice	12/12/2015	12/12/2015	10	206
International Womens Day	08/03/2016	08/03/2016	14	175
International Day for the Elimination of Violence against Women	25/11/2015	25/11/2016	27	192
Session on "Protect the Girl Child"	10/11/2015	10/11/2015	47	201

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
None

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
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Ramp/Rails	Yes	14
Physical facilities	Yes	23
Rest Rooms	Yes	Nil
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2016	1	1	21/02/2016	1	VOTERS AWARENESS PROGRAM	Fundamental rights, Responsibilities of a citizen in governance	189
2016	1	1	25/01/2016	1	ROAD SAFETY HELMET RALLY	Road Safety rules, First Aid	236
2015	1	1	27/06/2015	1	Swaatch Bharat	objectives of swachh bharat, Pledge for swachhata, Role of students towards Swachhata Programmes	326
2015	1	1	16/08/2015	1	Traffic Safety Program	Traffic Rules, Youth and safety, First Aid measures	264

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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	11/11/2015	On 11.11.2015, National Education Day conducted in the campus by NCC. National Education Day is observed on November 11 every year, since 2008, to

		<p>commemorate the birth anniversary of independent Indias first education minister Maulana abdul kalam Azad.He played a significant role in shaping the education system of the country. The Principal of the college Dr.S.Shambu Prasad addressed the participants and expressed the importance of National Education Day and the role of the education in the life of man.</p>
Seminar on Women Protection	10/11/2015	<p>On 10.11.2015, Women Grievance cell organized a seminar on Women Protection the Guest Speaker Mrs.Madhavi, Assistant Professor, Taining and Place ment Cell devliverd a Speech on importance of women Protection in the present society and for ages,in the name of tradition and culture,women are subjected to violence.Hence,the aim of this seminar is to provide a platform to deliberate various conventional and contemporary issues challenging the protection of womens rights. 252 students participated and expressed their thankfulness towards the speaker for the awairness.</p>
Teachers Day celebrations	05/09/2015	<p>On 05.09.2015 celebrated Teachers Day in the college campus, It is celebrated annually on September 5 as the birth anniversary of Dr.Sarvepalli Radhakrishnan.Teachers Day is marked to show honour and gratitude to all teachers,mentors and</p>

guides. Teachers are also recognised for their unspokrn contribution to the development of Society. All the teachers participated and expressed their views on role of the teachers on the society. Principal of the college greeted all the faculty.

International Yoga Day

21/06/2015

International Yoga Day celebrated in the college campus by NCC on 6.12.2015. 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 teaches them to perservere, be patient, and work towards their goals. Yoga also provides tools for practicing compassion, min dfulness, generosity, focus ,strength and flexibility. participants expressed their feedback orally their understanding regarding the importance of Yoga in the life.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction Program	03/07/2015	11/07/2015	841
International Yoga Day	21/06/2015	22/06/2015	321
Womens Day Celecration	03/08/2015	03/08/2015	189
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Sprinkler system is used for Greenery and Lawns. The plantation is set in the majority of places of the campus and maintained to make the campus eco-friendly. Water Harvesting Plastic-Free Campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Student Mentoring Objective : The college has a well-planned student mentoring system in place and it is implemented meticulously in each class

across different programs. A teacher engaging more lectures in a particular class as per the time-table is appointed mentor of that class right at the beginning of the academic year. The mentoring system is employed to enable students to succeed both, in college and career. Its objectives include: To guide students in their academic progress and set realistic goals To motivate students to become members of various forums and fests conducted by the college. Attend to the distress and issues faced by the students in class with regard to the academic, social, emotional problems of the students. To undertake academic counselling and career counselling tasks. 2. waste management in the campus The objectives of this group are: a)to generate awareness among students of managing wastes. b) to involve the students in cleaning their college campus. c) to set up waste bins in sufficient numbers to avoid littering. d) to generate consciousness among students about e-waste accumulation and disposal of e-waste from the college campus. e) to promote a sense of hygiene among students.

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

<http://www.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

The motto of the Pragati Engineering College is "Learning is Supreme deity" for which college is continuously working to improvise over the standards of the college in terms of facilities, faculty to make student realize and achieve their goals. The vision of the institution being the idea To emerge as a Premier Institution for Technical Education in the Country through Academic Excellence and to be recognized as a Centre for Excellence in Research Development, catering to the needs of our Country. The institution has tried to support the learners by identifying the capabilities of different individuals and guiding them to achieve excellence. The students enrich from the contact with college towards attainment of knowledge and wisdom. The aim of the college is to prepare those graduates who can apply the knowledge they gained and be instrumental in redefining the standards of education. The priority of the college is to prepare graduates who are well equipped with confidence, expertise and a vision to do greater good to mankind.

Provide the weblink of the institution

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

8.Future Plans of Actions for Next Academic Year

Research 1. Encourage the faculty to submit Research Proposals for Research Grants from various funding agencies like DST/AICTE/UGC/DRDO/ISRO/BRNS/MoEF/MoWR etc., 2. Motivate faculty to attend Seminars and Workshops, Conferences and Publish papers in reputed Journals. 3. Organizing department wise Conferences/Seminars on contemporary topics. Teaching and Learning: 1. Effective monitoring of the attainment of Course outcomes, Programme outcomes and Programme educational objectives. 2. Adapting innovative delivery methods. 3. Collaboration with Industry and Institutions of repute. Infrastructure: The institution would like to organize the following programs: 1. Strengthening of Networking and Computing Facilities. 2. Enhancing built up space as per the sanction intake. 3. Up lifting the sports ground and facilities for sports and games. 4. Conducting FDP programs on current topics. 5. Obtaining NBA Accreditation for UG Programs. 6. Organizing Campus Recruitment Training programs to Engineering students to enhance their employability skills.

