



Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	PRAKASAM ENGINEERING COLLEGE
Name of the head of the Institution	Dr M.Lakshmana Rao
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08598222288
Mobile no.	9849265251
Registered Email	principalf9@gmail.com
Alternate Email	kumarece0@gmail.com
Address	O.V.Road
City/Town	Kandukur Prakasam Dt
State/UT	Andhra Pradesh
Pincode	523105
2. Institutional Status	


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KANDUKUR-523105, Prakasam Dt, A.P.

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Ch. Ravi Kumar
Phone no/Alternate Phone no.	08598222288
Mobile no.	9849140465
Registered Email	IQAC.pecf9@gmail.com
Alternate Email	kumarece0@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.pec.com/iqac/aqar/AQAR-2017-18.pdf
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4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website:
Weblink :

https://www.prakasamec.com/pdf_file/ACADEMICCALENDAR2018-19.pdf

5. Accrediation Details

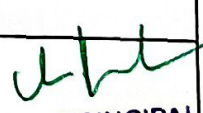
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.81	2019	18-Oct-2019	17-Oct-2024

6. Date of Establishment of IQAC

26-May-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
Initiation of Participation in NIRF	01-Mar-2019 2	2 
Initiated Online Student	22-Feb-2019	

25
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feedback system	1	
Workshop on Research Methodology	21-Feb-2019 2	45
Internal Audit of Institution	28-Nov-2018 3	20
Review of Certificate Programs	27-Aug-2018 3	55

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8. Provide the list of funds 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
NILL	NILL	NILL	2019 00	0

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

Yes

Upload latest notification of formation of IQAC

[View Link](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

No

Upload the minutes of meeting and action taken report

No Files Uploaded !!!

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)

- Quality Indices for departments and the Institute are generated and implemented.
- Based on the indices, analysis is done in the areas of attendance, results, faculty publications, projects, faculty quality, placements, intake gender ratio etc.,
- Periodical meetings are conducted to review the progress.
- Organized International conference ICMPEP on 24th 25th May 2019.
- Conducting seminars / workshops, FDPs, Guest Lectures, training / programmes on quality related issues
- Softskills Training program has been organized with IT Curve Technologies, Hyderabad for 2nd, 3rd 4th year students.
- ISTE student forum has been established in ECE, EEE departments
- Institute has taken permanent ISTE

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membership

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

Plan of Action	Achivements/Outcomes
To strengthen the soft skills training	Organized softskills trainings with ION technologies, Hyderabad for 2nd, 3rd & final year students
To associate with professional bodies	ISTE membership IAENG, IACSIT etc. taken
To improve technical activities	Associated with Q-Spiders Bangalore , for technical support
Communication with Parents	Particulars of percentage of attendance, Mid- exam marks, SGPA and Backlogs have been intimated to parents through mentor system.
To Improve Co-Curricular Activities	Workshops, seminars, industrial visits, soft skill development programmes, communication skill development programmes organized regularly
To encourage staff to pursue higher studies	some of the faculty have been registered for Ph.D
To provide Value added courses	Programs were conducted on latest technologies for the benefit of the students
To get accreditation by NBA for eligible B.Tech. programs	NBA orientation programmes are Conducted
To Monitor Teaching Learning process	Academic Audit is done at the end of every semester
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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 ?

Yes

Date of Visit

04-Oct-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2018


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Date of Submission	30-Jan-2018
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, the Institute has Manage Information system through EZLibrary Through EZ Library digital library online student academic performance is maintained. The management information system has been utilized for performing the following activities: 1. The information is shared to all students, teaching and non teaching staff through the following media: a. Notices and Circulars. b. Examinations Display of Internal Marks, external Marks, Invigilation duties and examination schedules. c. Open access to e books, journals, and NPTEL courses to all faculty and students through digital library d. Bulk SMS facility is also available to intimate important notices to students like attendance, results, examination dates etc., 2. Campus is connected through WiFi. 3. Whatsapp groups have been available sectionwise in each department to regularly inform the academic activities of the college through respective class incharges and HOD

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Curriculum Planning and Implementation Orientation programme will be organized for students & parents at the starting of each academic year with personality development trainers, industry experts & professors from reputed colleges. The Personality development helps the students to develop an impressive personality and makes you stand apart from the rest. Personality development also plays an essential role in improving one's communication skills. Students will be also exposed to importance of various branches and latest technologies. The students are also educated about Anti ragging through police department for seniors. The well-planned curriculum delivery and documentation is explained below: A.

Communication of Vision; Mission and Objectives to stakeholders Our Vision/Mission well communicated to all stakeholders. The College Vision, Mission, Objectives are communicated through the following. • In College site www.prakasamec.com • Display boards • Admission Brochure • media B. Preparation and distribution of master and class time-tables to students The time tables are prepared strictly as per the guidelines of JNTUK university curriculum. The time table consists of study hour, Departmental Association activities (DAA), Sports, Library & Internet hours in addition to

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regular teaching hours. The time table is communicated to students by pasting in class room notice boards, laboratory notice boards, & HODs notice boards etc., In DAA hours, the respective departments will plan interaction with alumini students to guide students on job opportunities, quiz's on department subjects, seminars on latest technologies, debates on social activities etc.,

C. Extent of interaction with industry to enhance employability and entrepreneurial skills: The departments plan various workshops on latest technologies; conduct guest lectures, seminars, industrial visits, soft skill training programs. Students will also be encouraged to attend competitive exam coaching's, internship programmes during intra semester break.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Certificate Course on TOTAL STATION	NILL	03/08/2018	2	NO	YES
FOUNDATON ELECTRONICS	NILL	30/08/2018	3	NO	YES
ANSYS	NILL	04/09/2018	3	NO	YES
Certificate Course On PCB Design	NILL	17/09/2018	2	YES	YES
Certificate Course on HADOOP BIG DATA	NILL	27/09/2018	4	YES	YES
Certificate Course on Mobile Application Development	NILL	17/10/2018	3	YES	YES

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NILL	Nill
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CSE	16/07/2018
BTech	ECE	16/07/2018
BTech	EEE	16/07/2018


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BTech	MEC	16/07/2018
BTech	CIV	16/07/2018
BTech	IT	16/07/2018
Mtech	CSE	16/07/2018
Mtech	ECE	16/07/2018
Mtech	EEE	16/07/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	310	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
WORKSHOP ON MATLAB SIMULINK	10/09/2018	61
WORKSHOP ON IOT WITH EMBEDDED SYSTEMS	09/03/2019	100
Communication skills	04/08/2018	150
CRT Training	19/02/2019	150
WORK SHOP ON VLSI	15/03/2019	100
workshop on amazon web services	29/12/2018	80

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1.3.2 – Field Projects / Internships under taken during the year

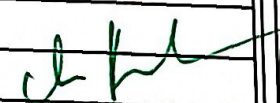
Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	EEE	95
BTech	ECE	167
BTech	CSE	80
BTech	ME	44
BTech	CE	40

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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


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

Feedback Obtained

i) The feedback is taken twice in each semester one before the first mid examination and 2nd at the end of the semester. The feedback is summarized and the consolidated report is submitted to the Principal. The faculties with average and poor feedback are counseled by Principal in the presence of HOD. Based on the report of HOD, Principal will take the necessary action to solve the issues raised by the students through feedback. ii) In addition to that the principal regularly visit class rooms and take the feedback both on academics and facilities provided by the college. iii) In addition to that the feedback of the student about his/her attendance, academic performance, back-logs, conduct and behavior is regularly informed to the parents. iv) The college will also regularly conduct personality development programmes to keep good conduct and behavior of the students in the campus

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	LE: ECE, CE, ME, EEE	162	50	32
BTech	ECE, CSE, EEE, M EC, CE, IT	540	430	424

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	424	71	144	38	45

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
144	144	6	48	10	5

[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 college has well established mentoring system for all round development of students since the inception of the college. Each faculty will be assigned 15 students. Through the mentoring system the teachers maintain a comprehensive record of their activities, academic, co-curricular and extra-curricular achievements. The mentor also keeps a complete record of the student's accomplishments, his attitudes, interests, weakness etc., The main objectives of the mentoring system are as follows: ? To identify the students who may require necessary

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attention, counselling and help ? To identify any mis-behavioral issue of the student at the initial stage itself to correct ? To guide average and below average students to improve performance in academics ? To identify the students who have attendance less than 65, having mid marks less than 60, having more backlogs and Communicating the same with the concerned parents ? To ensure students to regularly attend college and maintain attendance not less than 65 as per guidelines of the university ? To improve the students in Handling stress, time management, communication skills, soft skills, career planning, placements, higher studies etc., ? To achieve overall good pass percentage in academics ? To achieve good employability skills in the student through various employability related programs.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1682	144	1 : 12

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
2	2	0	2	1

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
Nil	NILL	Nil	NILL

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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	UG	I SEM -2018	30/03/2019	25/05/2019
BTech	UG	I SEM -2018	03/11/2018	26/12/2018

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As per the JNTUK curriculum 30 Internal Assessment Marks to be assigned to every student in each subject, out of which 15 marks are awarded based on mid examination (Descriptive), 10 marks for online test conducted by JNTUK and 5 marks are awarded for assignment. • Two sets of question papers are prepared by the staff member and question paper set is decided by the principal before 10 minutes of commencement of mid examination. • Examination Cell follows full security while uploading the internal marks to the university. • One hour is assigned as study hour in the time table where the faculty will make the students to read the important topics of the unit • The HODs will monitor the syllabus coverage monthly twice by interacting with the students and ensure the syllabus coverage as per the academic calendar of university. • To award 5 marks for assignment the faculty will give 5 important questions and student will submit record of answers, based on the answers the faculty will assign marks for assignment

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The DAP of the university will prepare the academic calendar to the affiliated colleges prior to the commencement of the academic year. The calendar consists of commence of class work, mid examination dates, end date of semester, university examination dates etc., The principal of respective affiliated college will circulate the same to the HODs. The HODs will circulate the same to staff members, concerned notice boards, to students through SMS, phone calls whatsapp groups etc., The class work, mid examinations, online examinations, and university examinations are conducted strictly as per the guidelines of the university. In accordance with university academic calendar the staff will prepare the lecture schedule to ensure the syllabus coverage in the prescribed duration.

2.6 – Student Performance and Learning Outcomes

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

<https://prakasamec.com>

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	CE	49	42	85.71
02	BTech	EEE	41	22	53.66
03	BTech	ME	41	24	58.54
04	BTech	ECE	96	84	87.50
05	BTech	CSE	93	83	89.25
12	BTech	IT	50	38	76.00

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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)

<https://prakasamec.com>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Nil	00	NILL	0	0

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Linkage Practices during the year

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Title of workshop/seminar	Name of the Dept.	Date
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Intellectual Property Rights Valuation	CSE ECE	19/12/2018
E-Commerce: International Retailing and Rural Retailing	ECE	03/12/2018
Smart grid and smart metering technologies and application	EEE	04/01/2019
General Introduction about IPR and its Emerging tRENDS	ME CE	07/02/2019

3.2.2 – 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
Solar cars	R.V G D Sai Dinakar	PACE INSTITUTE OF TECHNOLOGY SCIENCES ,	15/02/2019	First
Paper Presentation	Sk.md.Fayaz	PEC ,Kandukur	27/02/2019	Second

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3.2.3 – 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
NILL	NILL	NILL	NILL	NILL	Nill

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
ece	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ECE	5	2.0
International	ME	2	2.0

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
NILL	0

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3.3.5 – 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
Wireless sensor based smart binding control systems applications	Dr. Ch. Ravi Kumar.	IJR Journal, Oct-2018	2018	1	PEC Kandukur	4
Neuro-Fuzzy based two stage spectrum allocation to ensure spectrum efficiency in CRN-CSS assisted by spectrum management	R.Giriprasad	IJPT, Feb, 2019	2019	1	PEC Kandukur	6
Reconfigurable Antenna for Cognitive Radio Applications	K.Vijaya Chandra	JARDCS, Vol-9, Issue1 March, 2019	2019	1	PEC Kandukur	3
Multimodal medical image fusion using NSCT and DWT fusion framework	K.Koteswara Rao	IJITEE, Dec 2019	2019	1	PEC Kandukur	5
Multimodal medical image fusion with Butterworth filter in NSCT domain based on	K.Koteswara Rao	IJAST, May 2019	2019	1	PEC Kandukur	4


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on dual fusion framework						
Fatigue minimization by development of fatigue risk management model for small scale manufacturing industries	GV. PUNNA RAO	International journal of research in mechanical, mechatronics and automobile engineering (URMMAE)	2019	1	PEC Kandukur	3
Augmentation of production level using different lean approaches in medium scale manufacturing industries	GV. PUNNA RAO	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	PEC Kandukur	3
Group Based Multi Channel Synchronized Spectrum Sensing in Cognitive Radio Networks	R. Giri Prasad	ICMR-18	2018	1	PEC Kandukur	4
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3.3.6 – 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
NILL	NILL	NILL	Nil	0	0	NILL
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	75	10	2	2
Presented papers	10	5	1	


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Resource persons	2	1	10	10
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3.4 – Extension Activities

3.4.1 – 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
Vote Awareness programme	NSS Unit, Pec Foundation	50	200
Teachers Day celebrations	NSS Unit, Pec Foundation	40	400
Kerala relief collection	NSS Unit, Pec Foundation	42	150
Celebrations of International yoga day	NSS Unit, Pec Foundation	20	100
Awareness on save Water	NSS Unit, Pec Foundation	44	200
Ceremony of Sri.Tanguturi Prakasam Panthulu	NSS Unit, Pec Foundation	30	200
Road Transport Vaarostavalu	NSS Unit, Pec Foundation	32	350
Blood Donation Camp, Distribution Of Fruits	AP Government, NSS unit	30	110
Republic Day Celebrations	NSS Unit, Pec Foundation	42	800
Swachhata Pakwada	NSS Unit, Pec Foundation	24	300
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3.4.2 – 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
NILL	NILL	NILL	0
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3.4.3 – 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
Swachhata Pakwada	NSS	Social Activity	10	100
NSS-SPECIAL	NSS	Free medical	10	


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CAMP		camp		
Awareness on police complaints	AP Police Dept, KDKR	AP Police Dept, KDKR	35	430
NSS	PEC	Plantation	10	100
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
NILL	NILL	NILL	00
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3.5.2 – 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
Industry	Training	Data Point Solutions, Hyderabad	10/12/2018	20/12/2018	Students
Industry	Internship	IETE STUDENT FORUM	12/09/2018	12/10/2018	Students
Institution	Training	Coign Technologies Hyderabad	14/11/2018	10/12/2018	Students
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
European Center for Mechatronics APS GMBH	07/02/2019	To skill the ongoing graduates from the State of AP in Mechatronics and Industrial Robotics	50
Construction India Development Council, New Delhi	29/01/2019	Generation of livelihoods for unemployed rural/Semi Urban Youths	150
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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
450	400

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
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	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
Ez-library	Partially	2.0	2012
Delnet	Fully	2.0	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	25745	20596000	52	11500	25797	20607500
Reference Books	3680	76500	45	9300	3725	85800
e-Books	1000	22000	48	10600	1048	32600
e-Journals	54	3400	18	2200	72	5600

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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
NILL	NILL	NILL	Null

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

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Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	650	12	1	3	5	10	6	40	0
Added	0	0	0	0	0	0	0	0	0
Total	650	12	1	3	5	10	6	40	0

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

80 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
NPTEL	NILL

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
540	490	300	275

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, provide link)

The following procedures policies have been adopted to maintain and utilize physical, academic and support facilities such as class rooms, laboratory, library, sports complex, computer etc.,

- Civil maintenance** The civil maintenance is maintained by a senior faculty from the civil department. He takes care of the following activities
 - Gardening
 - Water plant maintenance
 - Plumbing works
 - Carpentry related works
 - Welding works
 - Rest room maintenance
 - Civil structure maintenance
 - Cleanliness with support of Housekeepers and sanitary workers
- Laboratory equipment** The laboratory equipment is maintained by the concerned laboratory non-teaching staff along with concerned lab in-charge staff. They maintain the student login registers, stock registers, breakage registers, component issue registers etc., They regularly takes care of cleanliness of laboratories civil support with concerned civil maintenance staff in consultation with HODs. They also regularly inform about circuit/machinery damage, shortage of consumables and any other lab issues to the concerned HODs to initiate necessary action.
- Computers software and networking** The computers are maintained by system administrators who work under the control of Head of Computer Science Engineering Department. They keep record of stock registers, consumable registers etc., They give support for installing softwares in respective departments, printers maintenance, Xerox machines maintenance, website, biometric services, troubleshooting of hardware, networking equipment's including internet connectivity etc.,
- Vehicle transport** They vehicle support is maintained by Physical Directors of the college. The vehicle meter readings are regularly registered by the drivers with security department. **PRINCIPAL** transportation is provided to the day-scholars, hostler's, **PRINCIPAL** non teaching. Sperate buses are maintained for both boys and girls. **PRINCIPAL** in addition

to that college will provide transportation in emergency cases to take care of safety of the staff students. 5. Electrical maintenance The electrical maintenance section is headed by the Head of the Department, EEE. The non-teaching staff of EEE department will maintain the record of generators, consumables like diesel, petrol for maintenance of generators. They also maintain the record of electrical consumable like fans, switches, boards etc., They will give electrical support to various departments of the college, hostels etc., 6. Library The library department is headed by senior librarian. He is supported by non-teaching staff. He maintains the digital library, NPTEL softwares, library computers, national international journals, News papers and other library details. In addition to that each department consists of department library maintained by the respective head of the departments. 7. Physical Education: The physical department is maintained by qualified Physical directors. To provide physical activities to the students two hours are allotted in time table. During this interval the students will play various sports games in assistance with sports department. In addition to that PDs will regularly train the students to participate at National level competitions. They will maintain the record of activities attended by students, sports material, rewards of the students and other related information. 8. Health Centre: Each department maintains regular medicines

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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	PEC Foundation	150	2000000
Financial Support from Other Sources			
a) National	State Government tuition fee reimbursement scheme	1800	593467123
b) International	NILL	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
CRT TRAINING	18/02/2019	150	Coign Technologies, HYDERABAD
Group Discussion	03/07/2018	17	PEC Kandukur
SOFT SKILLS TRAINING	26/12/2018	250	Q-Spiders Bangalore, .
SOFT SKILLS TRAINING	10/12/2018	250	Coign Technologies, HYDERABAD
Communication skills	31/07/2018	320	PEC Kandukur

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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 counselling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	GATE	100	100	5	2

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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
0	0	0

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
Elcompo Electronics	150	23	Cognizant Technology Solutions	150	1

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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
2018	10	B.Tech	ECE and CSE	PEC	M.Tech


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

Items	Number of students selected/ qualifying
GATE	1
Any Other	1

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

Activity	Level	Number of Participants
KABADDI	UNIVERSITY SELECTIONS AT SRK College7	
VOLLY BALL	Inter Univ. K.L Unin	PRINCIPAL PRAKASAM ENGINEERING COLLEGE WANDUKUR-523105, Prakasam Dt, A.P

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KHO-KHO	Inter.Univ Dr.Br.Univ	1
KABADI D ZONE	PACE Engg.College	12
CENTRAL ZONE KHO-KHO	PEC	15
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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
2018	WINNERS	National	1	1	TEAM	TEAM
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The following activities being organized in every academic year: 1. Orientation programmes: The orientation program is organized every year for newly joined students with their parents. This program is addressed by the Chairman, Secretary, Principal, Academic in-charge and respective Head of the Departments to inform the facilities available in the campus quality measures they are taking to provide quality education. 2. Mentoring: The college has mentoring/ tutoring system to take care of students individually which functions as follows: • For every 15 students, one faculty is assigned as mentor in all departments. • Mentor continuously monitors the attendance details, academic performance and conduct of the student. • Mentor will also monitor the sports activities, extra-curricular and co-curricular activities of the student. 3. Placement and counseling cell: The placement cell organizes various soft skills, training, aptitude reasoning programmes etc., The placement continuously interacts with various HRs, alumni students, industry experts consultants to provide quality genuine placements to the students. 4. College has committees like grievances Redressal cell, Women grievances cell, Library committee, Physical education committee, culture committee, NSS unit, NCC unit to give various facilities and opportunities to the students.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words): YES Alumni association of the college has been available the students leaving the college automatically become a member of alumni. The following are the activities of alumni associate: 1. Alumni association meetings are held in the campus with available students to make it as a platform between college and the alumni for interaction on new developments in different disciplines of engineering. 2. Members of Alumni are in the Boards of Studies, IQAC. 3. Alumni will address the third year and fourth year students periodically towards carrier guidance. 4. Heads of departments regularly are in touch through emails with the respective alumni to get regular updates.

5.4.2 – No. of enrolled Alumni:

410


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

230000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Orientation on job opportunities in Software field and Banking sector
2. Orientation on job opportunities in VLSI domain
3. One Alumni association meeting per year

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Vision Institute Vision • To emerge as a premier institution for engineering education and serve as a resource centre for the industry and society Mission ? To excel in providing quality education at undergraduate levels. ? To encourage research and innovation. ? To provide infrastructure and facilities to meet the latest technological needs. ? To establish Centres of Excellence through active interaction with industry. ? To nurture students towards holistic development with human values and ethics. Institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards decentralized governance system. ? Staff members discharge various responsibilities in administrative, curricular and extra-curricular activities. ? Every lab has a faculty member a lab assistant in respective departments to initiate all purchases and repairs. ? HoDs have been authorized to invite quotations from competitive firms and a comparative statement is prepared and recommendations are made by the Department for various procurements in consultation with principal. ? HoDs have been authorized to organize Industrial tours, workshops, FDPs, seminars, quizzes, Symposiums with prior permission from Principal. ? Principal is administrative Head of the Institution who takes financial decisions in consultation with management ? For other curricular and extra-curricular activities, the Departments HoDs will put up proposals for financial approval by the Principal. Organization of such activities is done by the department itself

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Being an affiliated college to the university, the principal will direct the HODs and staff members to adhere to the university curriculum.
Examination and Evaluation	As per JNTUK, Semester system endorses continuous learning and instills regular studying habits among the students there by contributes to their growth and excellence.
Industry Interaction / Collaboration	Regular Industrial Visits are conducted for students to enhance their technical skills.
Research and Development	RD Cell on campus support

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and faculty in terms of guidance for applying projects for funding. Necessary help is provided accomplished doctorates from various departments. Encouragement for research publications and incentives like conference registration fee are offered to faculty.

Teaching and Learning

Teaching Learning: ? Students are provided an opportunity to access the e content from the digital library where a number of NPTEL Videos of eminent academicians of IIT, NIT are available. ? Students are facilitated to learn new technologies with workshops ? A Number of Industry Interactions, Seminars are organized ? Providing opportunity for industry internships.

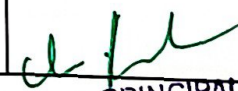
6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Examination	All the examinations related information like examination fee payment and results are displayed in the institution website and brief notice and the same is communicated through student social groups. On line examinations are conducted through the JNTUK online quiz platform.
Administration	The Institute is utilizing e-cap software in-house to cater to the needs of the institute in conducting various activities. The main components of the ecap Software are: a.) Examination Information b.) Library information c.) Faculty Information d.) Student Information e) Fee payment and expenditure Information etc..

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	S.Chandra Sekhar Reddy	3D Printing Processing and Applications	Brindavan institute of technology and sciences	4000
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6.3.2 – Number of professional development / administrative training programmes organized by this College for teaching and non teaching staff during the year

Year	Title of the	Title of the	From date	To Date	Number of	Number of
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	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2019	AUTODESK-AUTO CAD	NILL	25/03/2019	29/03/2019	25	2
2018	Introduction to PHP Programming	NILL	10/10/2018	11/10/2018	28	0
2018	Training Program on Industrial Robotics	NILL	20/09/2018	22/09/2018	20	0
2018	Training Program on Cloud Computing	NILL	05/07/2018	07/07/2018	30	0

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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
Simulation Emulation Software - FDP - PACE institute of technology sciences, ongole	10	12/11/2018	17/11/2018	3
Faculty Development Programme on "Innovation to Academicians"	10	14/12/2018	19/12/2018	3

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
144	144	40	40

6.3.5 – Welfare schemes for

Teaching	Non-teaching	
Free Transportation to college, Free Mid-day	Free Transportation to college, Free Mid-day	Free campus medical Assistance

Principal
 BRUNEL ENGINEERING COLLEGE
 Free campus medical Assistance
 Dr. J.

meals

meals

6.4 – Financial Management and Resource Mobilization

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

The institution has established a system to audit all the financial transactions by both internal auditors and auditors of external agency. The books of accounts and the supporting evidences are subjected to both internal and external audit. The internal audit practices to monitor financial management of the institution ensure sound financial health of the institution. External audit carried out ensures total compliance with statutory requirements and obligations. The external audit is carried out biannually. There have been no major objections surfacing out of both internal and external audit.

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
NILL	0	NILL
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6.4.3 – Total corpus fund generated

00

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	JNTUK	Yes	HOD
Administrative	Yes	JNTUK	Yes	HOD

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

1) On the day of re-opening of College, an orientation was given to both parents and students of first year about the college and its functioning with rules and regulations. 2) Parent- Teacher meetings are held twice a year for all students. 3) There is a constant interaction between staff and parents through phone calls and personal meetings throughout the year.

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

1) Faculty Development Programmes are organized and support to attend FDPs outside 2) Refresher courses on usage of software tools as per curriculum changes 3) Personality development programs orientation programmes on research funding 4) Support for doing higher studies 5) Encouraging faculty to attend national international conferences

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

1. Continuous assessments of POs and PSOs based on the results of every student in internal and external examinations. 2. Recruitment of faculty with higher qualification Ph.D 3. Working towards accreditation by NBA faculty are encouraged to innovatively improve the processes including evaluation processes to achieve higher levels of course outcomes.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal

Yes

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b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Workshop on industrial automation with PLC	27/08/2018	27/08/2018	01/09/2018	55
2018	National instruments LABVIEW	28/11/2018	28/11/2018	30/11/2018	50
2019	AUTODESK-AUTO CAD - ICT Academy, Chennai	21/02/2019	21/02/2019	21/02/2019	45
2019	Skill development program - Q-Spiders Bangalore .	01/03/2019	01/03/2019	01/03/2019	100
2019	Skill Development Program by Coign Technologies Hyderabad	02/02/2019	02/02/2019	02/02/2019	160
2018	CNC Programming	05/09/2018	05/09/2018	09/09/2018	30

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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
WOMEN'S DAY CELEBRATIONS	08/03/2019	08/03/2019	350	0

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
set up solar panel system to meet at least 50 percent of power requirement of the College met by the renewable energy sources.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

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Physical facilities	Yes	1
Provision for lift	No	0
Ramp/Rails	Yes	2
Braille Software/facilities	No	0
Rest Rooms	Yes	4
Scribes for examination	Yes	2
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
Nil	0	0	Nil	00	NILL	NILL	0
No file uploaded.							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct and Ethic policy	15/06/2018	The purpose of code of conduct and code of ethics is to implement a clear frame work within which students, teaching and non teaching at the rakasam Engineering College
Teaching	15/06/2018	1. Advance the interests of the teaching profession through responsible ethical practices. 2. Regard themselves as learners and engage in continual professional development. 3. Be truthful when making statement about their qualifications and competencies. 4. Contribute to the development of an open and reflective professional culture.


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Non-Teaching	15/06/2018	1. They must be transparent, responsible, unbiased and impartial towards all (Students, Parents, Staff, Members, Teachers and managing body). 2. They must work with care, responsibility and dignity. 3. They must be present at their allotted and allocated sheets. 4. They must not leave their place or go to leave without permission from a competent authority
Students	15/06/2018	1. All are required to attend all classes regularly. 2. Students who will fail to attend 75 attendance will not be allowed for examination. 3. Should maintain discipline and silence in the premises.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
YOGA CLASSES	21/06/2018	21/06/2018	200
Youth day	12/01/2019	12/01/2019	250
No file uploaded.			

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

1. Plantation of the Trees 2. Rain water harvesting 3. Inhibition of Plastic usage 4. Sprinklers for landscape and lawns 5. Use of solar energy 6. Water Hydrants for fire safety

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Extra Class for Slow Learners Course Plan for All Subjects. A detailed course plan for every paper is prepared and available to the students in the 'Moodle'. The course plan contains course objectives in behavioural terms, the themes/topics to be learned, the method of learning/ teaching-learning delivery, books and journals to be referred before coming to the class and recommended reading for learning the topic in detail. The course plan also contains the method of internal evaluation of the courses taught. The College also makes special efforts for solid waste management, Rain water harvesting unit and the optimal use of water resources. The College has hundreds of trees and plants maintaining a green campus. The College has a clinic and the Doctor visits twice a month. College has an understanding with a Hospital which is ten minute away from the Campus to cater to any emergency service. The First Aid Boxes are placed in all the Departments and Hostels. The College facilitates health insurance for all the students and strictly maintains a 'No smoking' and 'No Drugs/Alcohol' Policy in the campus. BEST PRACTICE II Mentoring system The mentoring system is designed to assist the students in academic and general

issues they face during the four year period of the degree. A faculty member is assigned as a mentor for a group of 15 to 20 students in the first year itself.

The mentoring is conducted in a structured way. The mentor and the students meet at least one hour in every week as per the schedule in the time table. The mentor counsels the students in not only the issues related academics but also some of their personal issues and a proper guidance and support is provided to ensure the comfort of the students in the campus. In the cases where advanced counseling is needed, the student is referred to the psychological counselor. The mentors also participate in the class review meetings and discuss about the students with the teachers of the class. OR Title of the Practice:-Students Associations of Department and College.

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

<http://www.prakasamec.com>

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

? Free transportation to faculty members both teaching non-teaching from various places ? Free Mid-day meals to all teaching, non-teaching staff, other workers. ? Maternity leaves are provided to lady faculty ? Contributory provident fund for faculty ? Employees Provident Fund for Non-teaching Staff

Provide the weblink of the institution

<https://www.prakasamec.com/>

8.Future Plans of Actions for Next Academic Year

? To introduce fully e-based system for different administrative processes ? To ensure 100 utilization of lecture timings ? To strengthen mentor systems ? To conduct more seminars and workshops of National and International level ? To inculcate Research activities in various departments ? To initiate NBA accreditation process in eligible departments ? To establish solar power system throughout the campus to meet the demands of college electricity ? To utilise more effectively the organic waste ? To encourage faculty to attend various workshops, conferences and FDP programs and to persue higher education ? To strengthen the training placement activities with more training programs ? To strengthen the departmental labs with updated machinery and simulation tools


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