Yearly Status Report - 2019-2020

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

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.	9849265251
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-2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.prakasamec.com/pdf_file/ACADEMICCALENDAR2019-20.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
Review of Certificate programmes	05-Aug-2019 4	50
Internal Audit of	19-Aug-2020	75

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Institution	3	
Research Methodology	18-Sep-2019 2	45
Feedback Surveillance of Audit	23-Oct-2019 1	25
Initiation of Participation in NIRF	21-Nov-2019 2	2

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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	2020 nill	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)

• Organized various seminars, FDPs workshops in association with Coign Technologies Hyderabad, for quality improvement. • Conducted seminars workshops, FDPs, Guest Lectures on quality related issues and Entrepreneurship awareness programs • Organized various social awareness programs with NSS unit • Aptitude reasoning classes are initiated for 3rd year students (17 batch) in association with professional institute • Organized various CRT programs with Andhra Pradesh Information Technology Academy (APITA) and other professional institutes • Organized various workshops in different departments with AP Skill Development Corporation (APSSDC)

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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
Enhance in Quality Teaching and Learning	Faculty are trained with FDP's, NPTEL, CourseEra etc.
Certificate Programs	. certificate programs organized in the departments
Strengthen the Outrich programs	Various social service and awareness activities are organized through NSS unit.
Placement Quality	Students are placed in MNC's.
Research and Development	Organized various activities and FDP's on Research Methodologies and Improved publication quality.
Enhancement of Industrial Collaborations	MOU's with reputed industries Viz.
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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	2019
Date of Submission	11-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Yes, The Institution is having a computerized management information system for performing the following activities: 1. Through MIS system library is digitalized 2. Campus is connected through WiFi. 3. Accounting software packages as part of office automations 4. Online Public Catalogue

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services for the provision of automated book search, issue, return and other valueadded services. 5. Student attendance monitoring software is implemented in all the departments to monitor student's class attendance.,Assignment and test Reports.

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 All the students start their journey with PEC by undergoing an Orientation Programme, which was held on 10th July, 2019 • In College Web site .www.prakasamec.com • In College Magazines • Display boards • Admission BrochureS B. Preparation and distribution of master and class time-tables to students Time Table has been prepared strictly in accordance with guidelines of JNTUK University curriculum. The time table and faculty load maintained strictly as per the University credits. Value addition activities are also included in the time table to benefit the students in their career opportunities. Time table is also communicated to all students by pasting it on the Notice Boards respective class rooms and also communicated through CR and by posting on social media. C. Extent of interaction with industry to enhance employability and entrepreneurial skills: The department also plan for the industry visit, guest lectures, workshop, seminars and conferences. This helps the students to get to know the work culture at industrial/corporate/relevant organizational places. Summer internships and training is offered to the students as per the curriculum requirement of the University.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Certificate Course on STAAD PRO	NILL	06/08/2019	3	NILL	Skill Development
Certificate Course on GIS	NILL	04/09/2019	3	NILL	Skill Develomment
VLSI FUNDAMENTALS	NILL	25/09/2019	3	NILL	Skill Development
Certificate Course on WEB TECHNOLOGIES	NILL	17/10/2019	3	Employabil ity	Skill Development
Mobile Application	NILL	26/12/2019	4	NILL	Skill Development

Development					
	NILL	12/02/2020	3	NILL	Skill Development
Certificate Course On Embedded system Funda mentals.					

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	ECE,CSE,EEE,IT,CE,ME	15/07/2019
Mtech	ECE,CSE,EEE	15/07/2019

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

	Certificate	Diploma Course
Number of Students	150	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
IETE STDUENT FORUM	10/09/2019	65
Work shop on machine Learning	08/10/2019	100
Work shop on Amazon Web Services	29/11/2019	100
Workshop on Digital Image Processing	24/12/2019	110
IETE STDUENT FORUM (ECE)	10/09/2019	65

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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	ECE	58
BTech	CSE	105
BTech	ME	27

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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
At the end of first month of each semester, feedback is collected from students. The feedback is summarized and the consolidated report is handover to Principal by respective Head of the Departments. The faculty with average and poor feedback are counseled and given necessary steps to be followed to improve their pferformence 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.

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	ECE,CSE,EEE,ME,CE,IT	540	400	373
BTech	LE: ECE,CE,ME,EEE	162	50	49
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	370	89	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	Numberof smart classrooms	E-resources and techniques used
144	144	6	48	5	8
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

A unique and important feature of our college PEC is mentoring system which was introduced since the inception of the college, in this system, the faculty is allotted with a small group of students The interaction between the teacher and students help the students to have a comprehensive record of their activities inacademics co-curricular and extra-curricular achievements. The mentoring system was required for the present day and college students to have friendly atmosphere with councilors on the campus to discusses their problems. The practices are aimed at forming a better report between the students and the teachers at a personal level. The teacher collects the personal information for her word. The teacher takes care not to touch sensitive issues and does not force any information out afterwards. The teacher meets her wards informally outside class hours. Students are guided regarding their career options. In our college as per AICTE Norms, about 15 students are linked to one teacher, who is teaching them and will be their mentor. During the First year, where students are fresh from schools, have their own inhibitions. First year subjects are mostly from Science and Humanities, hence faculty from those departments are identified as mentors. The student can meet his/her mentor and pose his/her adjustment and academic problems and seek redressal. From second year onwards, students move to the departments of their choice and hence one of their department faculty is nominated as a mentor, who will be mentoring them during the next 3 years. The mentor keeps a complete record of the student's accomplishments, his attitudes, interests, weakness etc. In the first year, students come from a protected environment at the school, to the college, where their counterparts may or may not think and behave as he has been accustomed to. They come across fast learners, slow learners and sometimes they might even feel that they have landed in an institution not to their liking and feel depressed. Such cases are referred to the student counselor, who is a qualified psychologist, who talks to them individually and counsels them as needed. A class committee, comprising a cross-section of students – slow learners, fast learners, girls, boys, sports-persons and the faculty teaching the class, chaired by one senior professor from the department, is formed during the beginning of the semester. This committee meets thrice a semester to discuss about the teaching – learning process and to get a feel of difficulties encountered by the students and faculty. During the First meeting, the discussions are about the purpose of the class committee, University regulations, how the students can express their difficulties and get them redressed. The second meeting is after the first Unit test and the Third one will be after the second test. It has been found to be very useful to both the faculty and students to faculty about the inattentiveness in the class and absenteeism of students and to students that the teaching being fast, not audible etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1726	144	1:12

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

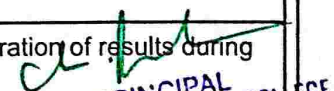| No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
2	2	0	2	1

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
Nill	NILL	Nill	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	II SEM -2019	19/09/2019	10/10/2020
BTech	UG	I SEM -2019	08/11/2019	03/12/2019

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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 norms Internal Assessment Mark to be assigned to every student is 30 marks in every subject in which 15 marks is based on midterm test, 10 marks on online test conducted by JNTUK and 5 marks for assignment. • Transparency is followed in Evaluation System Two sets of question papers are prepared by the staff member and question paper set is decided by the principal on lottery basis. • Examination Cell follows full security while awarding marks for internal assessment for each paper submitted to JNTUK using OMR issued by university. • As per JNTUK norms mid- term exam with 50 of syllabus weightage is conducted at institutional level.

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

The affiliating University (JNTUK) design the academic calendar for all affiliated institutions. It is implemented at our institutions as per the university. Every activity of the academic calendar is got approved by the university. Accordingly, the mid-term schedule is shared for approval of the university. Setting of question papers for mid term examinations were prepared and evaluation is done as per JNTUK rules and regulations. All the examinations are conducted as per our university schedule.

2.6 – Student Performance and Learning Outcomes

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

https://www.prakasamec.com/cse.html

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	47	30	63.83
02	BTech	EEE	64	57	89.06
03	BTech	ME	26	26	100
04	BTech	ECE	117	102	87.18
05	BTech	CSE	103	81	78.64
12	BTech	IT	51	45	88.24

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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://assessmentonline.pec.com/public/index.php/hei/revers_s

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
Nill	0	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 Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Surface Engineering	ME	21/12/2019
Patent Strategy: Filling a Provisional Patent Application	CSE,ECE,ME,CE,EEE	03/02/2020
Indian Patent Management System	CSE,ECE,ME,CE,EEE	04/09/2019
Managing Innovation and Intellectual Property Rights- IP Formulate	ME,CE,EEE	18/11/2019

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
HAZARD DETECTION USING ROBOTS AURDINO	B.Lavanya	Dr. SAMUEL GEORGE INSTITUTE OF ENGINEERING TECHNOLOGY ,MARKAPUR	15/03/2020	TECHNO CULTURAL FEST-2ND PRIZE
PROJECT EXPO -SOLAR DETECTOR USING BLUETOOTH CONTROL ROBOT	Y. SAI JAYANTH R. PRAVEEN KUMAR REDDY	RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS	28/02/2020	FUSION - 2020-06-02 1ST PRIZE
QUIZ	R.V G D Sai Dinakar	QIS COLLEGE- ONGOLE	22/02/2020	QUIZ-1ST PRIZE

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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
PRAKASAM ENGINEERING COLLEGE KANDUKUR	PEC	MSME - HIBI	NILL	NILL	30/10/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International

0	0	0

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	CSE	3	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
Cryptana lysis of Minimized SKINNY Block Cipher	K.V.Srin ivasa Rao	Journal of Advanced Research in Dynamical and Control Systems	2019	1	PEC Kandukur	5
A Brief Review on Methodolog y of Crypt analysis	K.V.Srin ivasa Rao	Internat ional Journal of Scientific Research in Computer Science, E ngineering and Inform ation Technology	2019	1	PEC Kandukur	5
Multiple Techniques of Block Ciphers	K.V.Srin ivasa Rao	Internat ional Journal of Engineerin g Science and Advanced	2019	1	PEC Kandukur	5

		Technology				
Single Image based Optics Temperature Dependent Uniformity Correction with Deep Filter	Dr. Ch.Ravi Kumar	Muktshabd	2020	1	PEC Kandukur	5

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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	Nill	0	0	0

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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	1	1	1	0
Presented papers	1	1	0	0
Resource persons	0	0	1	3

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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
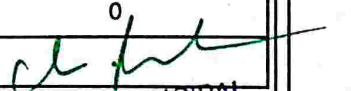
Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
NILL	NILL	0	0

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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, Prakasam Dt, AP

Name of the scheme	Organising unit/Agency/collaborating	Name of the activity	Number of teachers participated in such	Number of students participated in such

	agency			activites	activites
NSS-SPECIAL CAMP	PEC KANDUKUR, JNTUK	Free medical camp		8	55
SPECIAL CAMP	PEC KANDUKUR, JNTUK	SWATCHASCHOOL		6	62
SPECIAL CAMPSPECIAL CAMP	PEC KANDUKUR, JNTUK	PLANTATION		9	95
NSS-SPECIAL CAMP	PEC KANDUKUR, JNTUK	DIGITAL AWARENESS		8	85

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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	0

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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	Internship	APSSDC	22/01/2020	25/01/2020	Students
Industry	Training	ICT Academy Chennai	09/09/2019	12/09/2019	Students
Institution	Training	Nethaji Institute of Compettitve exam coaching, Hyderaad	22/08/2019	24/08/2019	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	07/02/2019	To Skill the ongoing graduates from the State of AP in Mechatronics and Industrial Robotics	50

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
460	450

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Web Pros solutions	Partially	2.1	2020

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	25745	259600	413	68050	26158	327650
Reference Books	3680	62000	42	9500	3722	71500
e-Journals	53	6300	5	1200	58	7500

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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	Nill

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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	650	12	1	3	5	10	6	40	0
Added	10	0	0	1	1	0	0	0	1
Total	660	12	1	4	6	10	6	40	1

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
NILL	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 facilites
950000	88500	1020000	950000

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 maintenance and upkeep of the infrastructure facilities are carried out with the support of the heads of the particular infrastructure department. The following list explains in detail. 1. Civil maintenance The civil maintenance is headed by one of the senior staff in the civil engineering department, he looks after various sections like gardening, water plant, plumbing works, carpentry, rest rooms maintenance and civil structure maintenance with the co-ordination of in charges of above mentioned activities. The sergeant takes care of the cleanliness inside the college with the support of Housekeepers and sanitary workers 2. Laboratory equipment Each department is assigned with two lab coordinators. The equipment and machineries in the laboratory/workshop are maintained by the lab In-charge(s)/workshop In-Charge(s) in consultation with the lab coordinators and proposes to the Heads of the various departments. 3. Computers software and networking The computers are maintained in the Institution by "Information System Support Admins". This division provides the integrated IT services like smooth running of procurement of hardware, software-installation, up-gradation and maintenance of automation package, college website, biometric services, troubleshooting of hardware, networking equipment's including internet connectivity. 4. Vehicle transport There are fifteen buses, 4 cars one Ambulance. The buses are plying covering all the routes for the use of staff and students. Cars are exclusively used for HODs, Senior Professors and Guest speakers. The Emergency Van (Ambulance) is available in the college 247 hours for students and faculty at the time of emergency. 5. Electrical maintenance The electrical maintenance section is headed by the HOD/EEE. A senior professor in the electrical department is supported by an electrical maintenance (Manager) of the campus with the support of Supervisor and Electricians. 6. Library The library is headed by librarian.

He is supported by the assistant librarian, supporting staff (Senior and junior clerks) for Journal and Reference sections and attenders will help the students for searching and lending of the books in the library. In addition to that department library is acknowledged for the reference purpose of staff and students. 7. Physical Education: The physical education department is facilitated by the physical directors to educate the students. Department wise staff are engaged with the students for a stress free makes the play field ready for the students, by marking the ground and providing the play kits. 8. Health Centre: The health center of the college is governed by the Medical officer. The Doctor is supported by a pharmacist and a nurse. The nurse is assisted by nursing assistants. The health center has three beds and has enough space to cater the needs of the patients and it is utilized by students, staff (teaching and non-teaching) 9. Security: The Security of the college is headed by the Administrative officer. He is supported by the Security officer. Security officer assigns the duty to the security guards to control and monitor the college premises.

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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	100	2000000
Financial Support from Other Sources			
a) National	State Government tution fee reimbursement scheme	1850	53000000
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
NANDI FOUNDATION – MAHINDRA PRIDE CLASS ROOM- SOFT SKILLS, LIFE SKILLS, COMMUNICATION SKILLS, PRESENATION EMPLOYBILITY SKILLS	02/03/2020	40	APSSDC
CRT TRAINING	06/02/2020	250	IT CURVE TECHNOLOGIES, HYDERABAD
SOFT SKILLS FOR IV YEARS	04/09/2019	162	APITA, ANDHRA PRADESH
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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 passedin the comp. exam	Number of studentsp placed
2019	Gate	25	50	2	1

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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		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
LIQUID HUB	200	8	TCS	40	4

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	7	B.Tech	ECE	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)
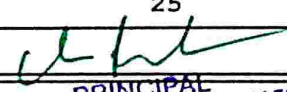
Items	Number of students selected/ qualifying
Nill	0

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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
CRICKET	INSTITUTIONAL	125
VOLLY BALL	INSTITUTIONAL	75
DANCE	INSTITUTIONAL	25

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
Nill	NILL	Nill	0	0	00	NILL

No file uploaded.

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

The following are the methods of counseling of students followed every year. 1. Orientation programmes: On the day admission orientation programme is organized by the college for all the first year students and their parents. There will be address by Chairman, Principal, and Deans etc. This is followed by the orientation programme by the concerned department. 2. Mentoring: The college adopts mentor/ tutor system to look after the learning capabilities of students Individually • For 15 students, one faculty is assigned as mentor • Mentor continuously track the mentee attendance details and academic performance • Mentor will assist mentee in selecting open electives, professional electives and career guidance • Mentor will track the mentee sports activities, extra-curricular and co-curricular activities 3. Placement and counseling cell: Placement and counseling of college organizes number of activities involving industry specialists to guide the third year and fourth year students to be ready for placement interviews. These involve skill development, personality development, attitude, body language etc. In the addition to the above short term programmes, college organizes CRT (Campus recruitment training) programmes for three weeks during winter vacation which is continuous programme. All these programmes have resulted in many students are getting placed by companies. 4. College has committees like grievances Redressal cell, Women grievances cell, Library committee, Physical education committee, culture committee in which students are involved to plan for various activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Aims and Objectives 1. To extend the help to the students of PEC, Kandukur for placement and industrial training. 2. To act as a bridge between college and the industries for interaction on new developments in different disciplines of engineering. 3. To assist the college to promote R D activities, testing and consultancy. 4. To extend financial help to economically backward and deserving students in the form of scholarship for UG, PG and higher studies abroad. 5. To encourage the students from this college by awarding prizes to meritorious students showing bright performance in the field of education, sports and cultural. 6. To enrich the central library by donating books and also by subscribing journals in the field of engineering and technology. 7. To extend every possible help to the college authorities for overall progress of the institution. 8. To organize programs on personality development, interview technique and leadership development. 9. To serve as a link between the institution's faculty, students, management and the industries. Alumni Responsibilities are: • Adopt the Alumni Association core values of excellence, lifelong relationships, lifelong learning, • Participate faithfully and consistently in Alumni Committee meetings and functions • Participate actively in strategic and long range program planning to promote alumni awareness, engagement and commitment to the college

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5.4.2 – No. of enrolled Alumni:

320

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

250000

5.4.4 – Meetings/activities organized by Alumni Association :

1.Orientation on job opportunities in Software field and Bank 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)

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

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The admission of students is conducted as per the norms prescribed by the Andhra Pradesh state Government. Students are admitted in convenor quota through EAMCET /ECET ranked students and management seats are filled as per state government norms by inviting applications from meritorious non qualified students in EAMCET /ECET.
Examination and Evaluation	The Department of Examination and evaluation follows procedures as per affiliating university JNTUK, KAKINADA for the conduction of examinations to provide quality in the evaluation and conduction. Some of the quality improvement followed are a) Validation of Results for accurate results. b) Internal Online Quiz to ensure students

	face the competitive exams confidently. c) Continuous Assessments for student progression.
Teaching and 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.
Curriculum Development	Being an affiliated college to the university, the principal will direct the HODs and staff members to adhere to the university curriculum

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

E-governace area	Details
Planning and Development	To use ICT in the process of planning college-events and activities,institute uses personal e-mails .Important notices and reports are also circulated via e-mails and whatsapp groups
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 e-cap Software are: a.) Examination Information b.)Library information c.) Faculty Information
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.For end examinations of semester, the encrypted question papers sent from the university are decrypted before 20 mins of the exam
Student Admission and Support	Course intake details and admission procedure are displayed on the college website and admission process is carried out as per state Government norms. 70 percent of the students are admitted through AP EAMCET counseling and remaining 30 of the students are admitted through management quota

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
2019	Dr. Ch.Ravi Kumar	ARC Workshop	APSSDC	4000
2019	K.V.Srinivasa Rao	Workshop on Python Programming	APSSDC	4000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	3-Day FDP on Data science with python	NILL	21/01/2020	21/01/2020	30	0
2019	An Awareness Programme On Government Funded Research Schemes - 1.Prof.H.B.Singh, DST -Director. 2. Prof.Basin, Former VC Of Delhi University	NILL	27/12/2019	27/12/2019	60	0
2019	Training Programme on VLSI Design	NILL	20/11/2019	20/11/2019	30	0
2019	Training Programme on MAT Lab	NILL	16/08/2019	16/08/2019	60	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
ICT tools in education using Moodle	50	20/01/2020	25/01/2020	3
VLSI and job opportunities in semiconductor industry	55	09/12/2019	12/12/2019	2

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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	Students
Free Transportation to college, Free Mid-day meals	Free Transportation to college, Free Mid-day meals	Free campus medical assistance,

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)

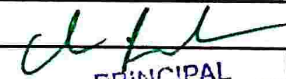| Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NILL	0	00

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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	Principal HOD

Administrative	Yes	JNTUK	Yes	Principal HOD

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

> 6.5.2 Activities and support from the Parent – Teacher Association (at least three) .Parents-Teachers Association is formed with the following objectives: TO BE MODIFIED ? To promote unity and fraternity among Parents, Teachers and the Management of the College by establishing a healthy environment in and outside the College. ? To actively involve the Parents, the Teachers, the Members of the Community at large and all the people associated with the College in the student's development programmes in educational and related activities undertaken by the Association. ? To serve as a link between the College and the Community at large. All the parents are requested to become the members of the Association to achieve these objectives

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

> 1. Training programs are conducted for support staff in the areas of computer knowledge like MS word excel and utilizing printing and scanning. 2. Training Programmes will be conducted to enhance their knowledge in maintenance of Laboratory 3. Yoga Programmes are being conducted.

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	DIGITAL IMAGE PROCESSING WITH MATLAB	12/09/2019	12/09/2019	14/09/2019	35
2019	Orientation Programme for 1st years about engineering education	10/08/2019	10/08/2019	10/08/2019	300

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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	08/03/2020	08/03/2020	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
Solar plant is installed in our college and 80 percent of power requirement of the College met by the renewable energy sources i.e., solar energy

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	No	0
Ramp/Rails	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	4

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	27/12/2019	3	Awareness Programme on Health Blood Donation	Blood donation	50
2019	1	1	Nill	7	Medical camp is conducted to help the poor in Kandukur	Distribution of medicines	100
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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	26/07/2019	The purpose of code of conduct and code of ethics is to provide a clear frame work within which students teaching and non teaching at the Prakasam Engineering

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			College are expected to conduct themselves.
Teaching	26/07/2019		All the staff of the college should maintain harmonious relations with other staff and students. Staff must maintain high standards of punctuality, honesty and professional ethics, their relative position, gender or status within the institutional hierarchy.
Non-Teaching	26/07/2019		All the non-teaching staff should remain on duty during college hours. 2.They must report for duty at least 30 mins before the commencement of the college. 3. Nonteaching staff should wear the uniform provided by the management.
Students	26/07/2019		All the students should follow the guidelines prescribed by the Institution regarding the code of conduct. 1. The students shall be regular and must complete his/her assigned duties. 2. They should wear identity card and uniform when they are in the college premises. 3. Mobile phones are not allowed to the classrooms.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

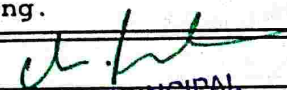| Activity	Duration From	Duration To	Number of participants
An awareness program on ethical values,moral values and discipline	28/11/2019	28/11/2019	100
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Plantation of the Trees 2. Inhibition of Plastic usage 3. Displayed the boards to switch off the electrical goods to lower the conservation of energy 4. Restrictions on polluted emitted bikes or cars in the campus 5. Encouraging electronic notes. 6. Rain water harvesting.

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. NSS activities are being held regularly. BEST PRACTICE I: Mentoring System - The Institute provides various initiatives for improving the academic performance of the students. Generally, remedial classes are being held for the weak students in every semester. Mentorship program involves problem solving, doubt clearing. Every week two hours is provided for counseling, doubt clearing and motivating students. The over all quality improvement is evident from the high class averages and a large number of students securing good marks. Best Practice II: Student Improvement Programs - workshops, seminars are conducted regularly to expose the students on latest technologies. Various CRT programs are held to make the students ready for on/off campus placements.

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 focus more on imparting practical knowledge on subjects with effective utilization of lecture timings through digital classes, live examples, simulation tools etc., ? To further strengthen mentoring systems with regular interaction with students about further improvements regular intimation of student progress to their parents. ? To motivate faculty for Industry-Interaction with objectives to get Sponsored Projects and Placement of Students by making compulsory to attending FDP programs. ? To focus more on strengthening the Training Placements activities to enhance the employability skills. ? To initiate NBA accreditation process department-wise. ? To strengthen the Alumini of the college ? To encourage the faculty to attend FDPs, Workshops, National International seminars, Conferences to enhance quality of teaching. ? To strengthen the library with more national international journals. ? To conduct more numbers of seminars, workshops of on latest technologies to make the students for industrial readiness. ? To initiate Research Lab facilities in the college and also initiate to R and D projects and consultancy works ? To establish solar power system throughout the campus to meet the demands of college electricity ? To utilise more effectively the organic waste and make campus eco friendly. ? To strengthen the departmental labs by purchasing latest machinery simulation tools if any to give more exposure to students

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