



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	K. Sivaji Babu
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0866-2581699
Mobile no.	9490958212
Registered Email	principal@pvpsiddhartha.ac.in
Alternate Email	kondapallisivajibabu@gmail.com
Address	Devabhaktuni Rama Lingeswara Rao Road Kanuru
City/Town	Vijayawada
State/UT	Andhra Pradesh
Pincode	520007

2. Institutional Status																									
Autonomous Status (Provide date of Conformant of Autonomous Status)			01-Mar-2012																						
Type of Institution			Co-education																						
Location			Rural																						
Financial Status			Self financed																						
Name of the IQAC co-ordinator/Director			Dr S Madhavi																						
Phone no/Alternate Phone no.			08662581699																						
Mobile no.			9032962658																						
Registered Email			iqac@pvpsiddhartha.ac.in																						
Alternate Email			mmadhavi@pvpsiddhartha.ac.in																						
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)			http://www.pvpsiddhartha.ac.in/IQAC1/files/AQAR1718.pdf																						
4. Whether Academic Calendar prepared during the year			Yes																						
if yes,whether it is uploaded in the institutional website: Weblink :			http://202.53.81.85/index.sit?service=AUTONOMOUS_HOMEPAGE																						
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.32</td> <td>2013</td> <td>05-Jan-2013</td> <td>04-Jan-2018</td> </tr> <tr> <td>2</td> <td>A+</td> <td>3.38</td> <td>2019</td> <td>28-Mar-2019</td> <td>27-Mar-2024</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.32	2013	05-Jan-2013	04-Jan-2018	2	A+	3.38	2019	28-Mar-2019	27-Mar-2024
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1	B	2.32	2013	05-Jan-2013	04-Jan-2018																				
2	A+	3.38	2019	28-Mar-2019	27-Mar-2024																				
6. Date of Establishment of IQAC			20-Jul-2012																						
7. Internal Quality Assurance System																									
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td colspan="3"> </td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries														
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IQAC		
ISO Certification	06-Aug-2020 2	3167
timely submission of Annual Quality Assurance Report (AQAR) to NAAC	31-Dec-2018 1	3167
Feedback from all stakeholders collected, analysed and used for improvements	08-Mar-2019 2	3167
Participation in NIRF	07-Dec-2018 1	3167
Academic Administrative Audit (AAA) conducted and its follow up action	07-Dec-2018 2	3167
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NIL	NIL	2019 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

- Campus recruitment training is offered to IV B.Tech students. And as a result 74 of students placed in reputed companies.
- econtent was developed for all the courses
- Faculty Members are encouraged to attend workshops, seminars and

present papers in National and International Conference and incentives are given for them and We have published a good no. of papers in Scopus Indexed journals and also presented papers at various conferences organized by reputed institutions. • Good number of students attended internships, • Students are encouraged to enroll for CATIA Training in Dassault's 3DExperience programme which is beyond the curriculum., Most of the students certified in courses offered by NPTEL, Spoken Tutorials offered by IIT, Bombay etc. 24 Faculty members successfully completed various NPTEL courses • Students are motivated to participate in cocurricular activities conducted by IETE, ISTE student forum and IEEE student chapter in a big way

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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
Review of curriculum for the academic year 2019-20 with the guidelines of AICTE	PVP19 Regulation is in effect from 08-06-2019
Improve the Programmes/ courses focussed on employability/ entrepreneurship/ skill development	Studnets council conducted various activitres to improve the stuedets personality skills. Refer to 5.3.2. Also many Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year. Refer to 1.1.2
Effective Teaching with Learning Management Systems (LMS), E-Learning Resources, Moodle Etc	In PVPSIT Central Library is Fully Automated by using LIBSYS10 LMS (Library Management Software). It is Web Centric having support for Twenty Thousand Unique Records with five Concurrent housekeeping clients along with twenty five concurrent users for web OPAC (On - line Public Accessing Catalogue). On One server Under Linux / Windows 2012 platform. This Software is supporting Barcode system for issue & returns of books. Refer to 4.2
To improve Communication skills and personality development	Communication skills and personality development proramems are conducted
To implant strong programming skills	There has been a constant raise in the pass percentage since three academic years. Constant efforts have been made to enhance percentage of placements as well as high package placements. Most of the students were certified in programming languages like JAVA and Python through NPTEL and Spoken Tutorial programs. Three Faculty members submitted their thesis and one faculty awarded doctoral degree during the academic year . Introduction to

	Programming-IOT was conducted from 24.4.2019 To 23.05.2019 Resource Person: Ms. P. Prabhu Kumari, Ms. M. Madhavi, M. Gokula Sukanya , Ms. A. Tejaswini Trainers , from APSSDC A one week Training Program on "Embedded and FPGA Programming using NI-RIO Platform" has been conducted for the students of ECE,ELECTRICAL AND ELECTRONICS ENGINEERING & MECHANICAL ENGINEERING departments from 09.05.2019 to 15.05.2019 Value added courses like R Programming , IoT using Python,InfosysCampus Connect,CSE,Infosys Campus Connect Foundation Program,NPTEL, are introduced by CSE and IT to improve the programming skills.
Improve the involvement of Alumni in all the developmental activities of the Institute	A guest lecture was conducted on Latest Technology and Advances in U.S.A on 24th December, 2018 for III B.Tech. ECE Students by Mr. Guduru Sandeep, Alumni, 2008 Passed out batch student. Outcome: Students interacted with one of our alumni and acquired the knowledge on latest technologies and prospects in higher education.
To create awareness on Environmental pollution and control	· 3.200 Kw Roof top solar power plant in PVPSIT · Solar street lights in campus · 2.Cfl's in corridors · Most of the labs are equipped with LED lights. · Developed greenery in large scale across the campus. · Encouraging Students to use Cycles instead of motor vehicles like bikes, mopeds and cars. · Promoting Plastic free campus by strictly prohibiting carry bags. · Optimum utilization of water by avoiding wastage in Canteen and departments of the college · Using solar power to meet the 80% demand requirements of the college · Many trees are planted in the department to maintain the campus eco-friendly · As a disciplinary action students are encouraged to plant saplings in the garden area of Mechanical Engineering Department to maintain the campus eco-friendly
Promote Quality of Research and Innovation	Research funds sanctioned and received from various agencies, industry and other organisations is Rs The institution provides seed money to its teachers for research the amount received is Rs Refer 3.1.1

Review of status of Patents filing and progress	Organized One Day Faculty Development Programme on “Intellectual Property Rights and Innovation” by Department of Business Administration in association with IQAC Resource persons of the programme discussed following topics: 1. Legal Framework over intellectual property rights- An Appraisal 2. Types of innovations that are patentable and also testing the patentability of those innovations. 3. Procedure of patent writing, patent filing and the process of granting patent. 4. Importance and scope of IPR in Academic Researches One Day Seminar on Intellectual Rights by Patents” by cse dept on 24-11-2018 ISTE faculty chapter of PVPSIT in Association with IQAC have organized a Seminar on “IPR and Patents” by Mr. K. Ravindranadh, Manager, Sci Tech Patent art services Pt. Ltd., Hyderabad for all faculty members of PVPSIT in Ground floor seminar hall. 29.09.2018 Refer 3.4.4
Improve the number of placements in the college.	In Department of ELECTRICAL AND ELECTRONICS ENGINEERING students were trained in the academic software's like MATLAB SOFTWARE R2018b, 2011b, PSCAD X4M25E, MI POWER TM, NI Lab View and make them to execute projects. ECE Department is providing internships at APSSDC, NI, APTRANSCO, APGENCO, VIJAY ELECTRICALS, etc,. IT department to improve student placements in CMM level 4 or 5 as well as product based companies, the department have set its vision as preparing the students for professional career in industry by providing very good CRT training. This is the top priority of the department to achieve this . It is planned to offer CRT training right from the beginning of second year. . Make the students to work on the platforms like Hackerrank, Greeks for Greeks, Indiabix and Codechef etc. On daily basis. . Incorporating of atleast 2 hours per week in their regular timetable apart from the beyond college hours to get familiar with technical skills, reasoning skills and aptitude . To achieve good quality and product based company placements with high pay package a systematic action plan is drafted and the same is followed. The department of ECE is showing consistent performance in students' pass percentage, placements and RD because

of the created ecosystems. It is a practice in the department to conduct different value added courses to improve the performance, to cite few examples, Simulation Lab is being conducted for Electro Magnetic Fields so as to improve the pass percentage of the students and CLAD certification is being done to improve the skills of the students for better placements. Special training with industry people is being conducted regularly for bridging the gap between industry and academia. The department is having three research groups which are actively mentoring students to upgrade their knowledge for doing inhouse Mini Main project works. That activity is also helping department to get external funding for RD. The department is having functional MOUs with leading companies like Texas Instruments, National Instruments and Efftronics Systems Pvt. Ltd for the industry exposure to the students and faculty. In department of Cse There has been a constant raise in the pass percentage since three academic years. Constant efforts have been made to enhance percentage of placements as well as high package placements. Most of the students were certified in programming languages like JAVA and Python through NPTEL and Spoken Tutorial programs. Three Faculty members submitted their thesis and one faculty awarded doctoral degree during the academic year MECHANICAL ENGINEERING Department is established with Two Industry supported Labs in associated with APSSDC: . DASSAULTS 3DExperience Lab . European Centre for Mechatronics, Germany (Applied Robotics Control (ARC) Lab) The Department is also actively involved in Certification Program (Future NDT) that leads to placements.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council	19-Jun-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	14-Mar-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	22-Jan-2019
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)	The website maintains the profiles of students and staff. The student's records like internal and external examination marks, grades, daily attendance, previous question papers, credits details are maintained in the website. The fee particulars, examination schedules, timetables are also maintained in the website. The faculty can upload their profile with details of research publications, conferences attended, research grants received / submitted / ongoing etc. The website maintains information about various cells like Alumni, Examination Cell, IQAC, Grievances Cell, Knowledge Center etc.. so that the activities in the college will be known to various stakeholders. The Course Structure, Syllabus, Academic Calendar is maintained in the website. The student's end Semester results are also published on the website at the time of Result declaration. It has Online Exam Fee payment System for Autonomous Section. Also website maintains the placement data at the end of every Academic Year, branch wise as well as year wise. We have professional activities like CSI, ACM, NPTEL with its own WebPages. Website maintains the AP Skill Development Program Activities. We have given Organization WebMail facility to all the Faculty in this institution. All the Service Rules for Teaching NonTeaching Staff are displayed on the website.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	Nil	Nil	Nil
Mtech	Nil	Nil	Nil
MBA	Nil	Nil	Nil
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	01/07/2018	CE1T6	01/07/2018
BTech	Computer Science and Engineering	01/07/2018	CS2T4	01/07/2018
BTech	Computer Science and Engineering	01/07/2018	CS3T1	01/07/2018
BTech	Electrical and Electronics Engineering	01/07/2018	EE4T1	01/07/2018
BTech	Electrical and Electronics Engineering	01/07/2018	EE5T2	01/07/2018
BTech	Information Technology	01/07/2018	IT4T2	01/07/2018
BTech	Mechanical Engineering	01/07/2018	ME3T6	01/07/2018
BTech	Electronics and Communications Engineering	01/07/2018	EC7T3	01/07/2018
MBA	Master of Business Administration	01/07/2018	17BA2T1	01/07/2018
Mtech	Machine Design	01/07/2018	17MEMD2T2	01/07/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Nil	Nil

Mtech	Nil	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CIVIL ENGINEERING	01/07/2018
BTech	COMPUTER SCIENCE AND ENGINEERING	01/07/2018
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	01/07/2018
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	01/07/2018
BTech	INFORMATION TECHNOLOGY	01/07/2018
BTech	MECHANICAL ENGINEERING	01/07/2018
MBA	MASTER OF BUSINESS ADMINISTRATION	01/07/2018
Mtech	COMPUTER SCIENCE AND ENGINEERING	01/07/2018
Mtech	MICROWAVE AND COMMUNICATION ENGINEERING	01/07/2018
Mtech	MACHINE DESIGN	01/07/2018
Mtech	POWER SYSTEM CONTROL AND AUTOMATION	01/07/2018

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
An introduction to programming the Internet of things(IoT)	24/04/2019	59
Overview on Latest Telecom Technologies	22/01/2019	122
MATLAB(EMF)	26/11/2018	142
Essentials for NX Designers	09/07/2018	60
Spoken Tutorials,IIT Bombay	01/01/2019	674
TCS Company Specific Training	21/08/2018	565
CRT Training (All Branches)	14/04/2018	547
Capgemini Company Specific Training	14/07/2018	429
Wipro Company Specific Training	08/11/2018	245

NI Multisin Lab	25/06/2018	142
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	CIVIL ENGINEERING	60
BTech	COMPUTER SCIENCE AND ENGINEERING	65
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	185
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	41
BTech	INFORMATION TECHNOLOGY	41
BTech	MECHANICAL ENGINEERING	109
MBA	MASTER OF BUSINESS ADMINISTRATION	59
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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
The institute collects feedback from various stakeholders • The students give their feedback on the subjects taught and various parameters involved in the teaching learning process once in a semester. • The alumni and parent meetings are conducted where in the feedback on infrastructural facilities, training and placement, learning environment, curriculum, new topics to be introduced, sports and games etc. are collected. • Feedback from employer is collected on the overall quality of the graduates. • Opinion regarding new courses or concepts is collected from faculty in PAC, DAB and BOS meetings and the suggestions are utilized during the curriculum design. • Industry nominees from various departments give their opinion on the new technologies during BOS meetings, which could be incorporated during syllabus framing. All the structured feedback is analysed and the parameters which fall below the specified threshold are focus on and action will be taken by the concerned authorities to improve the lagging parameters.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the	Programme	Number of seats	Number of	Students Enrolled
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Programme	Specialization	available	Application received	
Mtech	Machine Design	6	2	2
Mtech	Microwave and Communication Engineering	6	1	1
Mtech	Computer Science and Engineering	11	Nil	Nil
MBA	Master of Business Administration	18	18	18
BTech	Mechanical Engineering	36	39	36
BTech	Information Technology	36	39	36
BTech	Electrical and Electronics Engineering	36	38	34
BTech	Electronics and Communication Engineering	36	40	36
BTech	Civil Engineering	18	20	18
BTech	Computer Science and Engineering	36	42	36
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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	2812	152	190	4	9

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
203	198	6	58	6	7

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

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

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

Mentoring system is available in the institution. A set of students are assigned to a faculty. Qualified,experienced and competent faculty with passion for their profession contribute to the academic and professional growth of students. This provides necessary emotional support to the students and instills confidence in them to face the challenge.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2964	203	1:15

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
203	203	Nil	4	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
2019	Dr. Jagadish Vengala	Associate Professor	Outstanding Faculty Awardquote from Venus International
2019	Dr .K.Ramesh	Professor	Dr.A.P.J.Abdul Kalam Life time achievement National Award by International Institute for Social and Economic Reforms
2018	Ms.P.Anusha	Assistant Professor	Elected as “Women President” for ISHRAE Vijayawada sub chapter.
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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	All Programs	8th Sem	22/03/2019	29/03/2021
BTech	All Programs	6th Sem	30/03/2019	09/04/2019
BTech	All Programs	4th Sem	29/04/2019	04/05/2019
Mtech	All Programs	2nd Sem	27/08/2018	10/09/2018

MBA	MBA	4th Sem	03/05/2019	09/05/2019
MBA	MBA	2nd Sem	10/05/2019	15/05/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	5831	0

2.6 – Student Performance and Learning Outcomes

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

http://www.pvpsiddhartha.ac.in/department_home.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
D82	Mtech	MICROWAVE & COMMUNICATION ENGINEERING	3	3	100
D15	Mtech	MACHINE DESIGN	6	6	100
D58	Mtech	COMPUTER SCIENCE & ENGINEERING	4	4	100
E00	MBA	MASTER OF BUSINESS ADMINISTRATION	59	57	96.61
A12	BTech	INFORMATION TECHNOLOGY	113	106	93.81
A05	BTech	COMPUTER SCIENCE & ENGINEERING	137	130	94.89
A04	BTech	MECHANICAL ENGINEERING	129	114	88.37
A03	BTech	MECHANICAL ENGINEERING	117	93	79.49
A02	BTech	ELECTRICAL & ELECTRONICS ENGINEERING	127	116	91.34
A01	BTech	CIVIL ENGINEERING	70	59	84.29

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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)

<http://www.pvpsiddhartha.ac.in/IQAC2019/StuSatisfactionSurvey.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr. V Jagadish
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
Nil	Nil	Nil	Nil	Nil
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	University Grants Commission (UGC)	7.57	0.65
Any Other (Specify)	365	Siddhartha Academy of General and Technical Education (SAGTE)	8.1	8.1
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.064

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
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one day workshop on "Intellectual Property Rights and Innovation	MBA and IQAC	29/04/2019
One Day Seminar on Intellectual Rights by Patents"	COMPUTER SCIENCE AND ENGINEERING	24/11/2018
2-Day Workshop on Block Chain Concepts and Implementation	COMPUTER SCIENCE AND ENGINEERING	15/03/2019
A Seminar " Cyber Security".	INFORMATION TECHNOLOGY	23/02/2019
"Application of Non-Destructive Testing Methods in Various Industries	MECHANICAL ENGINEERING	30/07/2018
IPR and Patents	MECHANICAL and IQAC	29/09/2018
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Andhra Pradesh Information Technology Academy Industrial Internet of Things in association with National Instruments (APITA – NI-IIoT Competition)	Sk. Abdul Kareem, Y. Nikhila, P. Gunasekhar	APITA – NI-IIoT	31/10/2018	Second Prize
"Smart India Hackathon, 2019" (Hardware Edition)	M.Vikas Das, K.Sai Sankaran, M.Sri Naga Sai Harsha	NIT, Tiruchirappalli	08/07/2019	Second Runner-Up
"Yuva-Saba" Youth Mock Parliament conducted by Government of Andhra Pradesh	Mr. V. Bhargav Kumar	Government of Andhra Pradesh	08/01/2019	Best Amendment Maker Award
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
PVPSIT INCUBATION CENTRE	Mr. Suraj Maguluri - Dept. of	-	Radar Storage Services	Ware Housing	25/05/2018

	Mechanical Engineering		Private Limited		
PVPSIT INCUBATION CENTRE	Mr. Ch. Gnana Karthik Sai Varma - Department of Electrical and Electronics Engineering	-	KSVS Solutions Private Limited	Software Solutions	27/05/2019
Host Institution - MSME	Business Incubator (PVPSIT)	MINISTRY OF MICRO, SMALL MEDIUM ENTERPRISES, GOVERNMENT OF INDIA	Business Incubation	Design, Development and Commercialization	07/02/2018
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Civil Engineering	2
Computer Science Engineering	1
Electronics and Communication Engineering	1
Electrical and Electronics Engineering	1
Information Technology	1
Mechanical Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Electrical Electronics Engineering	1	0.4
International	Electrical Electronics Engineering	52	4.2
International	Information Technology	35	4.85
National	Computer Science Engineering	2	5.47
International	Computer Science Engineering	33	3.24
International	Mechanical Engineering	25	5.8
International	Civil Engineering	15	5.2

International	Freshman Engineering Department	21	3.5
International	Master of Business Administration	4	1.7
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	9
Computer Science Engineering	12
Electronics Communication Engineering	11
Electronics Electrical Engineering	3
Information Technology	4
Mechanical Engineering	13
Master of Business Administration	1
No file uploaded.	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Fault reduction system for software (Dr.K.Koteswara Rao Pallikonda Anil Kumar Chetla Chandra Mohan)	Published	201841035944	05/05/2018
A system for ranking products across E-Commerce sites based on weighted facet search along with validated reviews(Vijaya kumar .K)	Published	201841042350/20	16/11/2018
I-Switch : Intelligent switch using IR Receiver and IR transmitter(G.Lalithakumari,Y.S urekha)	Published	201921005023	07/06/2019
Method and Apparatus For Thread Migrating in Operating Systme(Dr .K.Koteswara Rao, Dr.A.Sudhir Babu)	Published	201941006212	22/02/2019
P-Material : Wast plastic convert	Published	201921009952	21/06/2019

into a pipe, Tiles and Other Materials (A.Vanamala Kumar)			
Drainage Overflow Monitoring System and a method for the same	Published	201741018352	30/11/2018
System for determining Life Span of Individuals and a method for the same	Published	201741032121	15/03/2019
Secure Cashless Transactions by using Biometric Authentication Method	Published	201741033971	29/09/2019
Automatic Microwave Sterilization System for Polyethylene (PET) Cans	Filed	201841047296	14/12/2018
Dilatator setup for men urethral stricture	Filed	316953-001	17/04/2019

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A Modified Deep Neural Network Based Hybrid Intrusion Detection System in Cyber Security	Mr K. Ramanjeyulu	International Journal of Innovative Technology and Exploring Engineering	2019	9	Prasad V Potluri Siddhartha Institute of Technology	1
Crack Simulations in Shaft-Hub-Blade System using Modal Analysis	K. Ravi Prakash Babu	International Journal of Recent Technology and Engineering	2019	10	Prasad V Potluri Siddhartha Institute of Technology	1

Power Optimized Quantum Data Aggregation Scheduling, S	Dr.Suresh Chandra Satapathy	Future Generation Computer Systems	2018	11	Prasad V Potluri Siddhartha Institute Of Technology	Nill
An analysis of structural and spectroscopic signatures, the reactivity study of synthesized 4,6- dichloro-2- (methylsulfonyl)pyrimidine: A potential third-order nonlinear optical material	Dr. Nannapane ni Usha Rani	International Journal of Molecular Structure	2019	11	Prasad V Potluri Siddhartha Institute Of Technology	6
Image Compression Using Wavelet Transform and Orthogonal Matching Pursuit	Ch.Gangadhar	Journal of of Advaced Research in Dynamical Control Systems,	2019	13	Prasad V Potluri Siddhartha Institute Of Technology	Nill
Performance of Autoclaved Aerated Concrete Blocks Under Varying Temperatures	Dr.V.Jagadish	International Journal of Recent Technology and Engineering (IJRTE)	2019	16	Prasad V Potluri Siddhartha Institute Of Technology	Nill
Improved Sensitivity of SPR Instrument Using Multiple Reflection Technique	P.Muthukumar	International Journal of Engineering Technology	2018	24	Prasad V Potluri Siddhartha Institute Of Technology	Nill
Liquefaction	Dr.Ch.Hanumantha	International	2019	25	Prasad V Potluri	Nill

Hazard In the Ap Capital Region, India	Rao	Journal of Innovation and Exploring Engineering (IJITEE)			Siddhartha Institute Of Technology	
Comparison of Balancing of DC Link Voltage of Unified Power Quality Conditioner Controlled with Intelligent Control Techniques	M. Venu Gopala Rao	Journal of Advanced Research in Dynamical and Control Systems	2018	28	Prasad V Potluri Siddhartha Institute Of Technology	Nill
"A comprehensive report on groundwater quality monitoring and management by using geospatial technology - a model study"	Ms.G.V.R .Kumari	International Journal of Civil Engineering and Technology (IJCIET)	2018	30	Prasad V Potluri Siddhartha Institute Of Technology	Nill

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Power Optimized Quantum Data Aggregation Scheduling, S	Dr.Suresh Chandra Satapathy	Future Generation Computer Systems	2018	24	Nill	Prasad V Potluri Siddhartha Institute of technology
True Power Loss Reduction by Chemical Reaction Optimization Algorithm	Kanagasa bai Lenin	European Journal of Electrical Engineering	2019	9	Nill	Prasad V Potluri Siddhartha Institute of technology

Improvem ent of mul ti-machine power system stability using artificial intelligen t power system stabilizer	M. Venu Gopala Rao	Modelling, Measuremen t and Control A	2018	8	Nill	Prasad V Potluri Siddhartha Institute of technology
Comparison of Balancing of DC Link Voltage of Unified Power Quality Co nditioner Controlled with Intel ligent Control Techniques	M. Venu Gopala Rao	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nill	Prasad V Potluri Siddhartha Institute of technology
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Presented papers	53	23	Nill	12
Resource persons	Nill	7	Nill	Nill
Attended/Semi nars/Workshops	3	75	Nill	47
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Department of Civil Engineering	Soil Test	Viswa Samudra Engg Pvt. Ltd.	115322
Department of Civil Engineering	Vetting of structural designs	AP Markfed, VJA	37800
Department of Civil Engineering	Soil Testing	The Principal, Maris Stella College	29500
Department of Civil Engineering	Soil testing	Samrat Iron Private Limited	27500

Department of Civil Engineering	Soil testing	Sri Ch. Srinivasa Rao, EE, Vigilance, Vijaywada	26786
Department of Civil Engineering	Stability analysis for existing school building	Mr. Ranjit Koshi (Bridge International Academies)	9971
Department of Information Technolgy	Web Application for Beauty Parlour	Jai Durga Beauty Parlour	9000
Department of Civil Engineering	Concrete cubes	Avenue Marts Pvt Ltd	8850
Department of Civil Engineering	Soil Test	Bhavani Bore wells	5310
Department of Civil Engineering	Concrete cubes	Avenue Marts Pvt Ltd	Nill
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	0	0
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
SWACHTHA HI SEVA(Bus stand and Railway stations) i.e. cleaning the bus stand and railway stations of nearby places at Vijayawada	1(A) EME COY, Vijayawada	1	12
Cleaning of public parks on the event of Swatch Bharat	1(A) EME COY, Vijayawada	1	14
SWACHTHA HI SEVA (Parks) i.e. cleaning the public parks of nearby places (Govt. Hospitals of Vijayawada, Govt Hospital of penamaluru)	1(A) EME COY, Vijayawada	1	15

Celebrated NCC day by donating plates and blankets to the students of Madonna High School for Deaf Dumb	1(A) EME COY, Vijayawada	1	22
Nukad Nataks – Segregation of Waste i.e. is to separate the waste according to its division that is wet and dry waste at PVPSIT College	1(A) EME COY, Vijayawada	1	47
SWACHH BHARAT	AICTE	9	57
VILLAGE AND HOUSEHOLD SURVEY	UBA	10	152
FUND FOR KERALA FLOOD VICTIMS	CMRF, KERALA	9	180
LLR MELA	AP TRANSPORT DEPARTMENT	9	368
BLOOD GROUPING CAMP	LIONS CLUB	9	620
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
LLR MELA	Appreciation	AP Transport Department	368
NATIONAL VOTERS DAY	Appreciation	Mandal Parishath, Penamalur	180
BLOOD DONATION CAMP	Appreciation	Lions Blood Bank	140
SWACHH BHARAT	Appreciation	Kanuru Panchayat	75
Geographic Information System Survey	Appreciation	Vijayawada Municipal Corporation	38
BHUDAR PROGRAMME	Appreciation	Mandal Parishath, Penamalur	21
CHERUVA	Appreciation	Commissioner of Police, Vijayawada	43
SETVIZ	Appreciation	Dept. of Youth Advancement, AP	25
FIRST AID TRAINING	Appreciation	PSIMS RF, Chinnaa vutapalli-Gannavaram	15
CLAY GANESH IDOLS	Appreciation	Margam Foundation	36
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
INTERNATIONAL LITERACY DAY	1(A) EME COY, Vijayawada	Awareness program	1	11
HUMAN RIGHTS DAY	1(A) EME COY, Vijayawada	Awareness program	1	12
SWACHTHA HI SEVA	1(A) EME COY, Vijayawada	Cleaning the public parks of nearby places (Raghavaiah Park in Vijayawada).	1	12
INTERNATIONAL YOGA DAY	8(A) Naval, Vijayawada	Yoga Practice	1	14
International Yoga Day	8(A) Naval, Vijayawada	Yoga Practices	1	32
YOUTH EMPOWERMENT	SAGTE	INTERACTION WITH MOUNT EVEREST TREKKING TEAM	9	255
YOUTH EMPOWERMENT	NSS	INTERACTION WITH Mr.CHARLES MOSS DUKE	9	358
TRIBUTE TO GREAT LEADERS	SAGTE	MAHATMA GANDHI VARDHANTHI	9	360
YOUTH EMPOWERMENT	SAGTE	YUVAPRASTHANAM	9	565
VOLUNTARY BLOOD DONATION	NSS LIONS CLUB	BLOOD GROUPING CAMP	9	620
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research paper	Dr.B.JanakiRamaiah	-	50
Research paper	Ravi kumar. M	-	55
Research paper	M.Venu Gopala Rao	-	70
Research paper	P.Muthu Kumar	-	65
Research paper	Dr.N.Usha Rani	-	55
Research paper	Mr. Y suresh	-	55
Research paper	Dr. B. V subba Rao	-	45
Research paper	Ms. Y.Padma	-	35

Research paper	AnushaPeyyala	-	40
Research paper	Dr. P.Adi Lakshmi	-	30
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Summer Training	Internship	IISc Bangalore	06/05/2019	12/07/2019	G. Hanitha Devi Kasukurthi Rasajna
Academic	Internship	Airports Authority Of India, Vijaya wada	17/05/2019	31/05/2019	P.Apoorva
Academic	Internship	APEITA, Fintech , Govt. of AP	15/12/2018	28/01/2019	Jasti. Sai Madhav
Summer Training	Internship	Water Resources Department, Duggirala	15/05/2019	01/06/2019	T. Chakravarthy
Summer Training	Internship	Harmanya C onstructions , Hyderabad	15/05/2019	01/06/2019	T. Maha Lakshmi
Summer Training	Internship	Polavaram project, Tadepalli gudem, West godavari district	15/05/2019	01/06/2019	"Geetanjali Baag Ch. Dora Babu D. Ram Sai Pavan G. Subhash K. Gowthami M. Navya N. Pavani S. Jaya Krishna"
Summer Training	Internship	INCAP LIMITED Nidamanuru	13/05/2019	19/05/2019	N. Devi Prasanna T. Sai Charitha M. Gopi Chandana M. Lohitha Chandra Mukhi
Summer Training	Internship	BEL Machil ipatnam	23/05/2019	19/06/2019	K. Anisha

Summer Training	Internship	IIITH Hyderabad	07/05/2019	07/06/2019	G. Hari Sai Sri Divya, Ch. Saheebi
Summer Training	Internship	IITG Gowhathi	13/05/2019	12/06/2019	M. Sai Anvesh Muhammad Zubair Umesh Kumar Naik Mudavath P. Deepesh
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Andhra Pradesh State Skill Development Corporation (APSSDC)	31/03/2018	Student Training Program	88
M/s Vijay Electricals, Vijayawada	04/02/2019	Internships, visits, workshops	123
Vidal NDT, 40-1-100, HRT Plaza, Benz circle, Vijayawada -10	03/08/2018	Training Programmes	54
ALEAP, Surampalli	05/06/2018	Industrial Visits Training Programme	120
M/s G.S. Electricals, Vijayawada	09/04/2019	Internships, visits, workshops	9
Aadhya Analytics, Gannavaram, vijayawada	09/10/2018	Exchange of Knowledge on latest Technologies offering Student Internships	3
Sesky Fosky Pvt.Ltd,	12/05/2018	Student Internships	9
M/s KDM Engineers (India) Private Limited, Hyderabad	27/09/2018	Job opportunities for the students	2
Power lab instruments, chennai	05/01/2019	Internships	1
Kusalava International, B4 Industrial Estate, AutoNagar, Vijayawada.	01/06/2018	Industrial Visits	Nil

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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
211.96	131.29

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Laboratories	Existing
Class rooms	Existing
Video Centre	Existing
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Campus Area	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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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
LIBSYS10LMS	Fully	10	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Reference Books	49140	11882236	919	326594	50059	12208830
Reference Books	2475	1856250	25	18750	2500	1875000
e-Books	520	Nill	831	Nill	1351	Nill
Journals	710	166796	686	154925	1396	321721
e-Journals	4752	1951865	16313	2098412	21065	4050277
Digital Database	978	13570	1	5900	979	19470
CD & Video	4528	Nill	3	Nill	4531	Nill

Library Automation	1	755200	Nil	Nil	1	755200
Weeding (hard & soft)	256	61804	268	71914	524	133718
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mrs. A. Ramana Lakshmi	Big Data Concepts	Moodle Learning Management System	01/07/2018
Mr. B.Narasimha Swamy	File Structures	Moodle Learning Management System	02/01/2019
Dr. G. Lalitha Kumari	Database Management System	Moodle Learning Management System	01/07/2018
Mrs. Y. Surekha	Object Oriented Programming	Moodle Learning Management	01/07/2018
Mrs. A. Divya	Software Engineering	Moodle Learning Management System	01/07/2018
Mrs. D. Leela Dharani	C- Programming	Moodle Learning Management System	10/03/2019
Mrs. K. Swarupa Rani	Digital System Design	Moodle Learning Management System	01/07/2018
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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	1184	939	1184	1	65	16	144	195	0
Added	66	66	66	0	0	0	0	0	0
Total	1250	1005	1250	1	65	16	144	195	0

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

195 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
Knowledge Centre with audio / visual facility.	https://www.youtube.com/watch?v=XMxFRy0A1Wo
E-Class Room with audio / visual facility	https://www.youtube.com/watch?v=kySoeL4

	HtYQ
HQ Video camera for capturing live lecture.	https://www.youtube.com/watch?v=xVpHSzUVdpo
Media centre, Recording facility	https://youtu.be/66RDCHTRnIg
Media centre, Recording facility	https://youtu.be/R_K9jqKAafY

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
211.96	131.29	466.49	424.2

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

The college has its own procedures for maintaining the Physical Facilities, Academic and Other Support Facilities. Facilities Committee is constituted in every department to identify the requirement of repairs. If any equipment is not functioning, Departments send a request to the Department which looks after the repair and maintenance of that particular item. If the problem is minor, the technicians available in the Institute will be resolving / repairing the equipment. If it is a major it will be sent to the supplier or vendor for service. Each Department has an allocated fund for taking care of the repair / maintenance cost. Maintenance of IT Infrastructure: # IT Infrastructure like servers, desktops, CC Cameras, LCD Projectors, Reprographic facilities (Printers, Scanners, Xerox Machines) are purchased with initial warranty. Usually servers and desktops are procured with 3 years warranty and reprographic facilities with one year warranty. # AMC is entered with the concerned suppliers for servers beyond the warranty period and other important equipment is maintained on call basis. # Alternate arrangements are made in case the down time is more, without affecting the day-to-day work in the concerned Department. # If the equipment is beyond repair and if it is very much essential the management readily approves and sanctions the necessary amount without affecting the day-to-day work either in the laboratories or in the administrative offices. # CSE Department maintains and utilizes sufficient computer peripherals(Network Switches, Monitors, Hard Disks, RAMs, Keyboards)and spares for replacing the damaged ones for the Institute as inventory. # Wi-Fi facility is regularly monitored by the skill technicians available in the Institution. # Spare Access Points are also maintained by the CSE Department.
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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	Nil	132	1320000
Financial Support from Other Sources			

a) National	Welfare Schemes	1832	90841050
b)International	North South Foundation (NSF)	26	520000
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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
Soft skill Development	05/06/2018	1412	PVPSIT, Vijayawada
Remedial coaching	13/08/2018	1680	PVPSIT, Vijayawada
Language Lab	06/08/2018	623	PVPSIT, Vijayawada
Bridge courses	19/06/2018	708	PVPSIT, Vijayawada
Yoga	24/09/2018	43	PVPSIT, Vijayawada
Meditation	24/09/2018	43	PVPSIT, Vijayawada
Personal Counselling and Mentoring	05/06/2018	2812	PVPSIT, Vijayawada
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Career Counselling	Nil	3132	Nil	Nil
2018	Competitive Examination	87	Nil	87	Nil
2018	Placement Training	Nil	Nil	Nil	595
2019	Career Counselling	Nil	2923	Nil	Nil
2019	Competitive Examination	84	Nil	84	Nil
2019	Placement Training	Nil	Nil	Nil	606
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

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
TCS (Ninja)	526	110	Wipro	372	26
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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	1	B. Tech	Civil Engineering	MVR College of Engineering, India	M.Tech Transportation Engineering
2018	1	B. Tech	Civil Engineering	Western Sydney University, Australia	Master of Engineering (Civil)
2018	1	B. Tech	Computer Science & Engineering	University of Alberta, Canada	M.S
2018	2	B. Tech	Computer Science & Engineering	University of South Florida, Tampa	M.S
2018	2	B. Tech	Electrical & Electronics Engineering	Conestoga College Institute of Technology and Advanced Learning	M.S
2018	1	B. Tech	Electrical & Electronics Engineering	Università degli studi di Pavia	M.S
2018	1	B. Tech	Electronics & Communication Engineering	IIM VISAKAPATNAM	MBA

2018	1	B. Tech	Information Technology	University of Missouri Kansas City	MS
2018	1	B. Tech	Mechanical Engineering	University Of Herefords hire, UK	M.Sc
2018	1	B. Tech	Mechanical Engineering	University of South Florida	MS

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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	18
GMAT	1
CAT	4
GRE	9
Any Other	52

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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
CHESS	Institution	38
LONG JUMP	Institution	56
100 mts running	Institution	57
KHO- KHO	Institution	96
VOLLEY BALL	Institution	96
THROW BALL	Institution	120
BASKET BALL	Institution	120
FOOT BALL	Institution	132
FOOT BALL	Institution	156
VOLLEY BALL	Institution	160

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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
2018	Third Prize Women Category	Internat ional	1	Nil	Nil	Nil

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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)

Institute puts efforts for the all-round development of students as they play an active role in contributing for the effectiveness of the college. PVPSIT always encourage participation of students in various academic and administrative bodies, indeed this enables them to acquire better Leadership Skills, Organizational abilities and Team spirit. The Institute has student council and students actively get involved in various committees. Members of student council share their Ideas, interests, concerns, opinions and suggestions to the respective faculty coordinator and make appropriate recommendation to the concerned authorities and thus do be part to take measures for better academic environment. The committee meets as often as necessary as but not less than twice in each semester. Students are part of various professional society chapters like IEEE, IGS, ISTE, CSI, and ACM. With their active participation student representatives are involved in several Institute and Department level committees like IQAC, Women's Cell, Literary and Cultural Committee, Library Committee, Grievance Redressal cell, Canteen Committee, sports committee, placement cell, Disciplinary Anti ragging, SC/ST CELL, Minority Cell and OBC Cell. Student Council members actively participate in various activities. They help in coordinating all the events related to academics and other co-curricular Extra-curricular activities, as per the directives of faculty coordinator of student council. They also motivate other students to take part in the activities conducted by the Institution. Moreover it has been representing the views of students on the matters of general concern to them. Since the inception of student council conducted various activities that can enable students to mould and nurture themselves by building their confidence level and thus enhancing their personality work making them to be employable. Organized movie screening of classical movies on behalf of student council to improve language skills and also to improve their thought process. Regularly once in a academic year organize Quiz week – to improve awareness of students on various general and societal issues/ factors/updates. Keeping in mind for the demand for Photoshop organized a certificate course on the same and thus helped students to gain hands on experience on the technology. Organized orientation programme on MAD and AIESEC –both are student based and student run NGO's. Activities like Mock Parliament are conducted to bring out and improvise leadership qualities. Commemorated special days like Matrubhasha Dinotsavam, International day of non-violence with various activities like JAM, poetry, Elocution, Essay Writing for students. Also organised career oriented lectures, skill development session to provide career guidance, awareness of various opportunities and the inculcation of the skills required to grab those opportunities. Sessions like design your destiny, how to build career with TCS enabled students to interact with eminent personalities from industry and gain exposure towards practical work environment. All these activities are organized and conducted by students for students in coordination with faculty coordinator. Thus provide ever opportunity to enable them to develop their Skill and develop themselves as Human Resources with the true potential.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, The alumni association is registered as PVPSIDDHARTHA INSTITUTE OF TECHNOLOGY OLD STUDENTS ASSOCIATION on 15/06/2002 under Andhra Pradesh society registration act. 35 of 2001 with the registration number 241/2005. The college has PVPSIT Alumni Hyderabad Local Chapter and PVPSIT Alumni Chennai local chapter.

5.4.2 – No. of registered Alumni:

798

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

204500

5.4.4 – Meetings/activities organized by Alumni Association :

2

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)

Realizing the immense need for Decentralization and Participation of all concerned in the development of the institution, the college has constituted various committees. Involvement of people at all levels is ascertained to enhance Quality in all aspects. Participatory Management is practiced to the core. This Facilitates and sustains a culture favourable for the growth of the Organization, Creating the true sense of belongingness in the Faculty at all levels.

1.Training Placement : With an aim to empower the students in all aspects of the Industrial Requirements and to make them readily employable. The Training Placement cell is Constituted. the Training Placement officer works in perfect coordination with his team comprising the assistant Training and placement officer, soft skills, Reasoning Aptitude Trainers and a Faculty coordinator from each Department. Under the chairmanship of the Principal, Meetings are held at the beginning of the Academic year and the Target is fixed . The Training placement officer interacts with the people in the corporate sector and makes a realistic analysis of the requirements of skill set .He is Supported by the ATPO who assists him in planning, Scheduling and conducting the placement Drives. The Department coordinators, take care of passing the information to the Students in their respective Departments motivating them to attend the Training sessions, monitoring their attendance, assess their progress and fine tuning them to face the challenge. The H.O.Ds conduct periodical Review Meetings. The Soft Skills, RA Trainers impart the Required Training, Transfer the skill set and make them ready to face the Recruitment Drives. Company Specific Training is also provided by the Management, through outsourcing industry personnel. During the previous year, the synchronized efforts have yielded fruit. Students have been successfully placed in reputed Industries. The feedback from the employers regarding the performance of the Selected Students is Encouraging.

Mentoring System: The system of Mentoring is under practice. The Principal appoints the Mentors at the beginning of the Academic year and the duties are delegated through the H.O.Ds A set of every 20 Students are ably guided by the concerned Mentor. A Mentoring Diary is maintained which contains all the information related to the Personal Details, Attendance, Academic progress , General Discipline and the psychological well being of the students. This Diary is passed on until the final year. The Mentor will be able to guide the students and direct him/her to improve his/her performance resulting in enrichment of Quality. Information regarding the Attendance and Academic Scores is passed on in interaction during parent-Teacher Meetings Required counseling is provided to the academically weak Students and necessary emotional and academic support is provided. The Faculty handling the subject in which the pupil is lagging behind will pay additional attention to improve the performance of Students. Periodically, Review meeting are held by the HOD and necessary suggestions are given to the Mentors. The entire mechanism reflects participation of all concerned leading

to stakeholder satisfaction. The student of this Institution is qualitatively better, competent and confident to face the challenges of the Global-world

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
Industry Interaction / Collaboration	• M.O.U.s with Industries to provide more Opportunities for the Students for Industrial visits and Internships, better awareness to the Faculty regarding the industrial requirements. • Renowned industry personnel on various academic bodies of the institution viz BOS, Academic council and Governing Body. • Involvement of Industry in the revision of Curriculum. • Deputation of Faculty and Students on Industrial visits / Internships • Guest Lectures by Industry Experts. • Collaborating with Industries for project proposals. • Redesigning the curriculum as per the requirements of the Industry. • Special training programs by Corporate Firms. • Enhanced Industry Institute Interaction for Sustenance of Quality.
Admission of Students	Admissions are made as per government norms.College is follows the government norms and procedures for admission.The government admission policy is strictly adhered to
Library, ICT and Physical Infrastructure / Instrumentation	• Well stocked central library and Department Libraries Automation of Library Resources Through libsys Software. • Rich collection of rare books. • Digital Library and e-resources. • Wi-Fi Facility. • Dedicated line of 155 Mbps internet bandwidth. • Provision of LCD in all class rooms • Online posting of attendance and internal assessment scores. • Fully Furnished Seminar Halls • 50059Text Books and 2500 reference Books are available. Reprography Facility is available. Wide range of National and International Journals. • Addition of new books as per the revised curriculum from time to time Library committee meets periodically to closely monitor and to identify and fulfill the requirements of Students
Human Resource Management	The Institution focuses on

effectively making use of the Human Resources and to maximize their potential. The following are the strategies adopted:

- Maintaining proper student- teacher ratio as per AICTE norms.
- Distribution of workload and delegation of duties to encourage participation of all.
- Performance based appraisal system.
- Emphasis laid on Faculty Development.
- Encouragement for Higher education.
- Financial support for attending FDPs/ Skill development programmes/ Guest lectures/ conferences/ Seminars/ symposia.
- Financial benefit for publication of papers in reputed Journals.
- Financial support for publication of patents.

Feedback from students for improvement of the system

Research and Development

Adequate infrastructure is provided and due encouragement is given to the faculty and enthusiastic students to involve themselves in R D Activities. The following are the strategies adopted with an aim to gear up R D activities.

1. Constitution of RD cell with specific objectives.
2. Formation of Research circles
3. Periodical meetings and awareness sessions to initiate the activity and review the progress of the work.
4. Provision of Seed Money .
5. Submission of Research Proposals to the Sponsoring Agencies.
6. Timely completion of sponsored projects .
7. The departments of Mech, ECE, EEE, CSE have approved as research centers by JNTUK.
8. Financial support for attending Conferences.
9. Financial support for obtaining patents.
10. Incentives for publication in reputed Scopus Indexed Journals.

Examination and Evaluation

The office of the controller of Examinations frames rules and regulations and takes care of the timely conduct of Examination and Evaluation. The following strategies are adopted to attain efficacy:

1. Adherence to the statutory norms.
2. Strict compliance to the guidelines set by the university for the Autonomous Institutes.
3. Ascertaining confidentiality and transparency in all aspects.
4. Creating awareness to the students and faculty on the revised Rules and Regulations.
5. Adopting foolproof mechanisms in the evaluation process.
6. Ensuring timely conduct of

	internal and external examinations as per the schedule. 7. Framing the Academic regulations at the time of curriculum revision. 8. Facilitating timely award of degree by the University
Teaching and Learning	Adequate thrust is laid on Teaching-Learning to make learning duly rewarding. The following are the Strategies adopted: 1. Use of Innovative Methods like Flip class, Blended learning etc. 2. Use of ICT. 3. Involvement of Alumni in Imparting Training. 4. Introduction of Self Learning Courses. 5. Enhancement of Quality through NPTEL/MOOCs Courses. 6. Special Lectures by Industry experts and renowned Academicians. 7. Financial Support to the Faculty for attending FDPS/Skill Development programmes/Workshops/ Seminars/Conferences to refine their skills set. 8. Wider exposure to the Student through Internships and Industrial Visits. 9. Company specific Training. 10. Support System for the Academically Weak student. 11. Obtaining Feedback from Students and necessary Corrective Measures.
Curriculum Development	Curriculum is periodically revised to meet the Industrial requirements and to keep the students abreast of the emerging Technological Trends. The following are the strategies adopted for the designing the curriculum based on outcome based education. 1. Enhanced Industry Institute Interaction through MOUs to identify the Industry requirements. 2. Stake holder Feedback from Students, Parents, Alumni and Employers. 3. Regular Meeting of the Academic council and Board of Studies. 4. Involvement of Faculty at all Levels. 5. Identifying the gap between Industry and Academia and introducing new courses. 6. Introduction of Choice Based Credit System. 7. Open Electives introduced in consultation with the Department Advisory Board.

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

E-governance area	Details
Planning and Development	nil
Administration	nil
Finance and Accounts	Tally Software, Ramdev Technologies, April, 2013

Student Admission and Support	nil
Examination	In House
Finance and Accounts	Tally Software, Accounting II Software Ltd, March, 2016

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	Sri U.Koteswara Rao	Participated in Applied Robotics Control Lab Faculty Development Program under the initiative of Indo European Skilling Cluster for Mechatronics and Manufacturing by European Centre for Mechatronics, Aachen /Germany and Andhra Pradesh State Skill Devel	-	184770
2018	Dr.B.Janaki Ramaiah	World Summit on Accreditation (WOSA 2018), at New Delhi, on Challenges and Opportunities	-	32428
2019	Dr. BV Subbarao	Registration fee Paid for attended International conference on Contemporary Issues (ICCS) held at Malaysia during 27th to 28th March, 2019	-	26259
2018	Dr.Ch.Hanumantha rao	5 - Day GIAN FDP Programme On Constitutive	-	14180

		Modelling Of Unsaturated Soils And Its Practical Applications For Critical Infrastructure		
2019	T Chaitanya lakshmi	Workshop Mediation, Moderation and conditional Process Analysis, organised by Department of Management Studies University of Hyderabad, 17-21 April, 2019.	-	11000
2019	Dr.Jagadish Vengala	Attended International conference on Advances in Civil Engineering	-	10500
2018	Ms. K.Divya	Participated In " National Women Entrepreneurship Conclave"	-	7736
2018	Mr. Ch. Chandra Mohan	Sixth International Conference on Big Data Analytics(BDA-2018)	-	7510
2019	C.Kumar	Solar photovoltaic System design and MPPT implementation	-	6972
2018	Mr.S.N.Prashanth	Attended "Strategies For Increased Biogas Generation In Municipal Anaerobic Digesters"	-	6000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the	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	NBA Accreditation (ICT 01)	Nill	22/04/2019	26/04/2019	98	Nill
2019	One day FDP Programme on Intellectual Property Rights and Innovation	Nill	29/04/2019	Nill	52	Nill
2019	GREEN AND SUSTAINABLE TECHNOLOGIES FOR MATERIALS	Nill	10/06/2019	22/06/2019	42	Nill
2018	Two Day Faculty Development Program on "Data Science Its Applications"	Nill	28/09/2018	29/09/2018	37	Nill
2018	Research Trends in Computer Field	Nill	06/07/2018	Nill	34	Nill
2018	Self motivation towards R D activities	Nill	06/10/2018	Nill	34	Nill
2019	Facutly Development Programme on Strategies for Effective English Language Teaching.	Nill	20/06/2019	22/06/2019	33	Nill
2018	Two Day workshop on Green Energy and	Nill	20/07/2018	21/07/2018	31	Nill

	Smart Grids					
2019	Development of Laboratory Instruction and Manual (ICT 12)	Development of Laboratory Instruction and Manual (ICT 12)	04/02/2019	08/02/2019	24	11
2019	Nil	Engineering solutions using Graphical Programming	25/04/2019	01/05/2019	Nil	1
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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
One Week Faculty Development Programme on "Fatigue Failure of Engineering Materials" at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada.	31	18/02/2019	23/02/2019	6
Artificial Intelligence and Optimization"	26	21/01/2019	25/01/2019	5
one week STTP on "Indian Electricity rule Code of Practices"	20	26/11/2018	30/11/2018	5
Two Day Faculty Development Program on "Data Science its Applications" .	18	28/09/2018	29/09/2018	2
One week on FDP on "Deep Learning and	14	24/06/2019	29/06/2019	5

Its Applications"				
STTP on "NBA Accreditation"	39	22/04/2019	26/04/2019	5
Intellectual Property Rights (IPRs) and Innovation	12	29/04/2019	Nil	1
Introduction to Network Security	20	03/12/2018	07/12/2018	5
Entrepreneurs hip Awareness Camp	7	31/01/2019	02/02/2019	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
Nil	4	Nil	2

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Provision of Health Cards: All the Teaching and Non Teaching Staff of the Institution are provided with Health Cards. The staff can avail medical facility at subsidized cost at Pinnamaneni Siddhartha Medical College run by Siddhartha Academy 2. PVPSIT Employees Cooperative Stores Ltd.: All the employees of the Institution can avail the facility to procure grocery and other essential commodities at comparatively cheaper cost and they also act as share holders. 3. Provident Fund: The college contributes to the Employee Provident Fund 4. ESI facility: This Social Security and Health Insurance Scheme is provided to all those employees whose monthly income is below Rs.21,000/- . 5.	1. Provision of Health Cards: All the Teaching and Non Teaching Staff of the Institution are provided with Health Cards. The staff can avail medical facility at subsidized cost at Pinnamaneni Siddhartha Medical College run by Siddhartha Academy 2. PVPSIT Employees Cooperative Stores Ltd.: All the employees of the Institution can avail the facility to procure grocery and other essential commodities at comparatively cheaper cost and they also act as share holders. 3. Provident Fund: The college contributes to the Employee Provident Fund 4. ESI facility: This Social Security and Health Insurance Scheme is provided to all those employees whose monthly income is below Rs.21,000/- . 5.	Merit cum Means Scholarships are offered

Dispensary: Free medical aid is provided to all the Teaching and Non Teaching staff in the College Dispensary. 6. Maternity Leave is provided to all the deserving women employees 7. Financial assistance for skill up gradation 8. Financial assistance for the Teaching Staff for attending conferences / Workshops / Faculty Development Programmes 9. Incentives for Publication in referred Journals 10. Lunch facility in the canteen at subsidized cost 11. Seed money provided for Research Projects 12. Financial Assistance for obtaining Patents for innovative Research 13. Provision of Laptops at subsidised cost. 14. Gratuity is provided to Non-teaching staff 15. Free uniform is provided to Class IV employees.	Dispensary: Free medical aid is provided to all the Teaching and Non Teaching staff in the College Dispensary. 6. Maternity Leave is provided to all the deserving women employees 7. Financial assistance for skill up gradation 8. Financial assistance for the Teaching Staff for attending conferences / Workshops / Faculty Development Programmes 9. Incentives for Publication in referred Journals 10. Lunch facility in the canteen at subsidized cost 11. Seed money provided for Research Projects 12. Financial Assistance for obtaining Patents for innovative Research 13. Provision of Laptops at subsidised cost. 14. Gratuity is provided to Non-teaching staff 15. Free uniform is provided to Class IV employees.	
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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 conducts both internal and external audits on all the Financial Transactions. Internal Audit is conducted once in every semester. Internal Financial accounting would be completed before 15th of the next month. The monthly accounts will be audited by the Senior Accounts staff. Sri K.Rajeswar, Chartered Accountant (Rajeswar Co.), Vijayawada is appointed as external auditors and they have been rendering their service since inception. External audit is conducted once in every semester. Enumeration of the external and internal audits conducted for the last five years with the signatures of auditors/financial officers are presented in the form of PDF files and provided in the form of link for additional information. While verifying the entries, if any mistakes/short comings are noticed, the same will be rectified by the concerned departments. The external statutory auditors visit the college office once a year for vouching Audit and submitting the audit report. After completion, the final statutory audit report shall be submitted to the Governing Body for approval in the month of September/October every year. After approval, the documents can be used for all statutory purposes. 0

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

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

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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NIT , Warangal	Yes	IQAC
Administrative	Yes	Sri. K RAJESWAR, Chartered Accountant	Yes	C R Reddy, Sr Accountant

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

Every care is taken to make the Parent – Teacher Association beneficial for the progress of the student. Meetings are conducted regularly. Parents are made aware of the particulars of attendance, Academic performance and General Discipline of their ward. This interaction with the Teacher enables the Parents to have a better understanding of their children and to take care of them. In any case, the student is lagging behind, the parents bring it to the notice of the concerned, subject Teacher and hence, addition of attention is paid by the Teacher. Remedial classes are held. Doubts are clarified. Extra Academic support is provided to the slow learners. Necessary support is also provided to enhance the Emotional Quotient of the student. During the parent –Teacher Meet, Feedback is obtained, analyzed and necessary corrective measures are taken for the improvement of the Teaching learning process. This Feedback is also used to revise the curriculum. The Parent Teacher Association in this fosters a congenial environment on Campus and facilitates the growth of the organization by attaining immense satisfaction of the stake holders. This in turn reflects in the Image of the Institution.

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

The support staff are encouraged to attend Training Programmes conducted by reputed Industries and Academia. Support Staff are encouraged to pursue higher education. Financial support is provided for attending the Training Programmes. Institute provides training on the emerging areas of the Technology Skill Development Programmes are held. Basic Computer training is provided in order to enable them to attain proficiency on the use of computers in their area. Various training programmes that are organized during this year included Various training programmes that are organized during this year included 1. Training Programme on PCB EXPO is organized by ECE Department in collaboration with Efftronics Systems Pvt. Ltd., Vijayawada on 17/7/18. PCB Expo was conducted for III B.Tech. ECE students on 17th July, 2018 in Microwave Lab Communication Systems Lab under ISF.I, II III Prizes were given to the winners.Judge: Ms.Sumanjali, EfftronicsPvt. Ltd., 2. Training Programme on Road ahead for engineering students in industry An Expert talk was organized on Road Ahead for Engineering Students in Industry is organized by ECE Department in collaboration with Efftronics Systems Pvt. Ltd., Vijayawada on 6/10/18 for II B.Tech. students.Resource Person: Mr.D. Anvesh, Executive Manager, EfftronicsPvt. Ltd., Vijayawada. 3. Training Programme organized by Mechanical Department

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

Improvement in the percentage of Doctoral Faculty 2. Improvement in the number of collaborations with the outside agencies 3. Following ICT based teaching learning, and counselling activity is increased

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	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Organized One Day Faculty Development Programme on “Intellectual Property Rights and Innovation” by Department of Business Administration in association with IQAC Resource persons of the programme discussed following topics: 1. Legal Framework over i	29/04/2019	29/04/2019	29/04/2019	60
2018	IPR AND Patents Mr. K. Ravindranath, Manager SciTech. Patent out Services Pvt. Limited	29/09/2018	29/09/2018	29/09/2018	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
Creative 54 Events Advertisement	05/01/2019	05/01/2019	39	Nil
Taruni Tarangalu	12/02/2019	13/02/2019	56	Nil
Kishori Vikasam	18/02/2019	18/02/2019	51	Nil

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
? Roof top solar power plant in PVPSIT ? Solar street lights. Percentage of power requirement of the College met by the renewable energy sources 93.9

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	2
Rest Rooms	Yes	2
Scribes for examination	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	02/07/2018	5	PMKVY	TSafety practices , Introduction to PMKVY programm, Occupational health and safety, Necessary precautions on fire and safety	27

						hazards and report according to site policy and procedures	
2018	1	1	01/01/2018	6	PMKVY	To train dropped out students from education	32
2018	1	1	01/11/2018	5	PMKVY (Data Entry Operator)	To train dropped out students from education	28
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
PVP14 Hand Book	01/01/2018	Student is expected to be culturally adept and socially well behaved. He/she is expected to possess all human values such as empathy, cooperation, tolerance, righteousness, trustworthiness, loyalty etc. and should imbibe all ethical values required thereof in profession of engineering. He/ She should depict at most professionalism in and out the campus. Code of conduct for students/ parents is specified in the hand book. The student is expected to maintain appropriate behavior that befits a cultured society. Ragging is strictly prohibited and the campus is a ragging free campus with congenial environment for the growth of the students, both

academically and as an individual. Indiscipline is strictly curtailed. Any deviation from the code of conduct will be liable for stringent action. The student will be made aware of the rules and regulations and necessary counselling will be done. In case of unacceptable behavior the student will be warned. If still they do not pay heed, the matter will be referred to the disciplinary action committee and discussion amongst members, decision will be taken. the decision made by the D.A.C is final and abiding..

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
AID TO KERALA FLOOD VICTIMS	27/08/2018	Nil	3167
CHERUVA	31/12/2018	Nil	43
YUVAPRASTHANAM	28/09/2018	Nil	565
NATIONAL VOTERS DAY	25/01/2019	Nil	180
MAHATMA GANDHI VARDHANTHI	30/01/2019	Nil	106
VISIT TO ORPHANAGE	16/02/2019	Nil	23
AID TO SUPPORT MEDICAL EXPENSES	23/03/2019	Nil	320

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

Solar street lights in campus Cfl's in corridors 200 Kw rooftop solar plant . Most of the labs are equipped with LED lights. • Developed greenery on large scale across the campus. • Encouraging Students to use Cycles instead of motor vehicles like Bikes, Mopeds and Cars. • Promoting Plastic free campus by strictly prohibiting carry bags. • Optimum utilization of water by minimising wastage in Canteen and departments of the college • Using solar power to meet the 80 demand of the college • Maintenance of Compost plant • Maintenance of Rain water harvesting pits • Public Transport for Students and Faculty

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1: Title of the Practice: Industry Institute Interaction Objectives: 1. To

devise need based Curriculum 2. To bridge the gap between the Industry and Institute 3. To strengthen Industry-Academia partnership 4. To give more practical orientation to the Teaching-Learning process 5. To provide a common platform for discussing the Technological needs of the society 6. To enable the student reach the expectations of the Industry 7. To organize Guest Lectures on Emerging Technologies 8. To impart various skills required by the Industry 9.

To enhance the employability potential The Context: In the globalized, liberalized scenario, there is a dire need to produce engineers capable of addressing the Human needs. Innovation is the need of the hour. A favorable environment is to be created for the student to motivate him towards innovation and invention. The student should be endowed with the required skillset to address the Technological problems confronted by the future society. Students should have adequate exposure to the Industries. He should be aware of the Industrial requirements. The students need to cultivate the problem solving skills. Exposure to Industrial environment would make the student technically competent and provide knowledge of advanced technologies. Opinions and suggestions of experts from reputed Industries would result in Academic reforms and revision of curriculum. The Practice: India is a developing nation on the socio-economic front. Technology needs to address the problems and lead to development. The Institution has entered into MOUs with reputed Industries to enhance Industry Institute Interaction. It provides abundant exposure to the students. It gives them adequate knowledge of the emerging trends in Technology. Student gains knowledge of Advanced Technologies. Practical Exposure provides the student with an ability to involve them selves in Minor and Major Research Projects. Students are sent on Industrial visits. Opportunities for internships are provided. Guest Lectures by eminent persons from Industry are arranged. Workshops in collaboration with Industries are held. Value added courses are conducted with resource persons from Industries. Feedback from Industrialists is obtained to fine tune curriculum, and make the student Industry ready. Students acquire skills required to solve Technological Problems faced by people Need based Research is promoted. Students are encouraged to provide innovative solutions to the needs of the society. Feedback on the competency levels of Alumni serving in various Industries is obtained. Gap analysis is made and necessary changes are initiated. Faculty and Students are acquainted with the Best Practices in the Industry. Company specific training is provided. Eminent Industrialists are invited to deliver talks on corporate etiquette. Incubation Centre is established. Special Training Programmes for Code Vita contests are held. Research Groups are formed. Awareness Programmes are arranged by the Entrepreneurship Development Cell. Students are exposed to the real life problems in the Industries. Because of the Functional MOUs, opportunities for Internships are increased. Students are trained rigorously on emerging Technologies. The Faculty are encouraged to apply for provisional patents. Idea contests are held. Students participated in Hackathons. Evidence of Success: Enhanced Industry Institute Interaction Guest Lectures/Seminars by Industry experts Feedback on performance of Alumni by Employers. Increase in the number of Internships Introducing Value added Courses Enrichment of Quality of Major and Minor Projects Enhanced employability skills Constant rise in the number of placements Faculty applying for provisional patents Revision of curriculum It could lead to enhanced employability potential in the students. This created an edge over others and resulted in more campus placements. Reputed Industries are keen on conducting campus recruitment drives. Team culture is fostered which is vital for Research and Development. There is increase in the number of innovations leading to the provisional patents. On the whole, this practice has resulted in inculcating the Research instinct, increase in the number of publications, improvement in the Quality of Publications. As a result of this endeavor, the Institution could successfully secure a noteworthy position in the NIRF Ranking. Establishment of innovative laboratories in collaboration with National

Instruments. Companies like Efftronics have participated in the BOS and gave valuable suggestions for the improvement of curriculum. The major companies like TCS, Cap Gemini and Tech Mahindra have visited the Institution for campus recruitment drives. Problems encountered and Resources required: Arranging the Guest Lectures without disturbing the Regular schedule. • Due to time constraint of Industrialists, difficulty is experienced while drawing Resource • Persons. Identifying the emerging areas of Technology. • Initially it was difficult to make the student focus on the emerging technologies. • Sophisticated equipment had to be procured to conduct certain experiments which involved • advanced technologies. Difficulty in identifying the Resource Persons with required skills for providing company specific • training. The procurement procedures were time consuming in establishing collaborative Laboratories • Best Practice -

2 Title of the Project: Online courses through NPTEL Local Chapter Objectives: To offer online courses to Faculty and Students To make effective use of ICT in Education To bridge the gap in the curriculum To enable the student for meeting the requirements of the Industry To enhance the employability skills To impart knowledge on diverse areas of Technology To enhance the Communicative Competence To empower the students with knowledge of emerging technologies To provide an opportunity for the student to gain knowledge extensive in the area of their interest. To provide more practical exposure To encourage self learning The Context: In the rapidly transforming Technological world, there is an immense responsibility on the part of the Higher Educational Institutes. To enable the student to attain the graduate attributes, self learning has to be encouraged and Learner Centric environment is to be created. With the increased demand from Industry for knowledgeable and skilled personnel, the student needs to acquaint himself with the emerging areas of Technology. To foster the economic growth of the Nation and to attain socioeconomic equality, the only way is to make the Human Resources more competent. Value addition is to be done by introducing various courses that replenish the knowledge. Students of different learning levels will have an opportunity to acquire skills based on their basic knowledge. There is a paradigm shift in teaching learning from the traditional class room teaching to the student centric need based learning. The Practice: The institution has established an NPTEL Local Chapter. Various online courses are offered as per specific schedule. Awareness meets are held. Number of students have enrolled themselves in the programme. Faculty readily offered their help to clarify the doubts. All the courses are tailor made to suit the requirements of the industry. All the courses have assignments and demand an active involvement of the students. Teaching and Learning is personalized to cater to the specific interests and different learning levels. The students have the Academic freedom to pursue their area of interest and make themselves well versed with the emerging trends in technology. Courses are offered on a wide range of subjects. • Students have the flexibility to learn the content anytime • Periodical assignments assess the capabilities of students • Upon successful completion, the participants are awarded certificates • Based on the scores, the successful candidates are categorized as follows • Gold - above 90 Elite - above 60 - 90 Successful - above 40 - 60 These courses facilitate upgradation of knowledge and skills. Awareness drives are held. Students are motivated to take up the courses. The following table indicates the list of students enrolled for the courses. Particulars of students who successfully completed the courses is also indicated. Course Run Present Gold Elite Successful Participation Topper Jan-Apr 2018 192 1 45 122 24 2 Jul-Dec 2017 374 1 124 180 69 4 Jan-June 2017 40 0 22 14 4 5 Jul-Dec 2016 103 3 34 34 32 4 Jan-June 2016 128 5 26 36 61 7 Evidence of Success: Additional expertise and skills beyond the curriculum are imparted to the students. the knowledge gaps that exist in the curriculum are bridged. Students gained proficiency in the cutting edge technologies. Extensive knowledge gained by the students enabled them to attain Academic excellence Technical competencies are enhanced. Communication Skills are improved. Comprehensive abilities are

improved. Multi dimensional knowledge is acquired. Students are capable of working in interdisciplinary areas. Students are endowed with employability skills. The students could gain additional expertise and are industry ready. Innovative capacity is improved. Self learning capacity is improved. Zeal for acquiring practical skills through experimental learning is raised. Teaching-Learning process has totally changed from the traditional method to the student centric method. Students of different learning levels could successfully acquire knowledge and improve their skills. Certificates are awarded to the successful candidates. Scholarship is offered to those who successfully complete the course. Academic proficiency of the students is improved. Comprehensive abilities are enhanced. Curiosity towards emerging trends in technology is roused. Capabilities for taking up Major and Minor Projects is increased. Innovative ability of the students is increased Problems encountered/Resources required: Motivating the students to pursue the course was really difficult• Retaining the interest in the student• Making the students to regularly attend the video lectures• The learning styles and comprehensive abilities differ and there was difficulty in attaining• uniformity Student experienced difficulty inattaining

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

http://www.pvpsiddhartha.ac.in/IQAC2019/docs/Best_Practices_il.pdf

7.3 – Institutional Distinctiveness

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

The Institution is established with the sole aim of imparting quality in Technical Education. The Institution focuses on imparting value based education. The Institution believes in the Adage, "Education is the Manifestation of perfection already in Man". The vision of the Institution emphasizes on Academic and Professional excellence, Research, employability/Entrepreneurship, Social Responsibility The future of Nation depends upon type of Education that is imparted to Students. To fulfil thrust areas of vision, Institution makes a relentless endeavour to mould all-round personality of the Students with a holistic approach. Adequate Freedom is provided to the students to identify and pursue their interests and exhibit their talent by refining their inherent abilities and acquiring the skills. Students are encouraged to participate in Sports, Games, NSS, NCC and various cultural activities. Financial Assistance is provided for participating in Technical Paper Contests, Model Expos, Techno fests, Literary and Cultural activities. The student of PVP is trained to evolve himself as an individual with a rich value base. He is endowed with the magnificent values of self esteem, Self Discipline, Self Confidence and an urge to serve the Human Society. Facilities are also provided to student to be physically fit. Separate Gym is provided. Ample scope is provided for Recreation. Yoga Centre is established. Care is taken to make them realize that Health is vital for their Academic and professional growth. An inner thirst is created in Students to develop a passion for Research and Innovation. 3- Dimensional training is provided to the Students to empower them with employability skills. C - Programming, Reasoning and Aptitude, Communication skills., Apart from these, the focus of the Institution is on making the Students acquire the following personality Traits. Attitude, Empathy, Cooperation, Compassion, Personality Development sessions . The Institution aims at the inner personality of the individual simultaneously making him Technically competent. Students of PVP are directed to apply their knowledge for the societal needs. They are tuned to fulfill their social Responsibility. Improvement of Student Placements: To improve student placements in CMM level 4 or 5 as well as product based

companies, the department have set its vision as preparing the students for professional career in industry by providing very good CRT training. This is the top priority of the department to achieve this • It is planned to offer CRT training from the beginning of second year. • Make the students to work on the platforms like Hakerrank, Greeks for Greeks, Indiabix and Codechef etc. On daily basis. • Incorporating atleast 2 hours per week in their regular timetable apart from the beyond college hours to get familiar with technical skills, reasoning skills and aptitude • To achieve good quality and product based company placements with high pay package a systematic action plan is drafted and the same is followed. There is consistent performance in students' pass percentage Special training with industry people is being conducted regularly for bridging the gap between industry and academia. Constant efforts have been made to enhance percentage of placements as well as high package placements

Provide the weblink of the institution

http://www.pvpsiddhartha.ac.in/iqac2019/docs/7.3_id.pdf

8.Future Plans of Actions for Next Academic Year

To achieve academic excellence through 1. Improvisation and implementation of need based curriculum 2. Introducing choice based credit system 3. Introducing innovative methods of teaching 4. By making use of ICT enabled Teaching - Learning 5. Introduction of new courses 6. Improving the pass percentage by 5 based on the previous results 7. Strengthening the Teaching - Learning process by motivating the faculty to attend FDP's 8. Providing financial support to the faculty for attending faculty development programs at institutions of National repute. 9. To build a strong support system for the academically weak students through regular mentoring 10. Ensuring transparency in Evaluation Research and Development: The institution aims at increasing the pace of RD activities and has the following plans. 1. To obtain more research funds from the RD funding agencies 2. To increase the number of publications 3. To improve and increase the number of quality publications in Scopus indexed and SCI journals 4. To increase the number of patents 5. To provide financial support for obtaining patents and seed money for initiating research activities 6. To identify avouches for research and innovation 7. To increase the consultancy activities and improve consultancy grants 8. To promote incubation activities 9. To encourage entrepreneur activities and startups 10. To inculcate the spirit of research in students by encouraging their involvement in research projects Employability: 1. To increase number of placements 2. To attract product based companies 3. To conduct in-house training programs and intensive training by hiring industry personnel 4. To enhance industry institute interaction through M.O.U.s 5. To attract the more product based companies 6. To attract the leading corporations for campus recruitment drives 7. To aim for an attractive pay package through high quality placements 8. To provide company specific training rigorously to cater to the needs of the industry 9. To enhance communicative competencies of students and to facilitate better employability 10. To provide substantial support to students for maximizing their potential and inherent abilities for securing better livelihood and enabling them to secure better living conditions by holding responsible positions in society Social Responsibility: The institution always bears in mind the significance of social responsibility and role that the students have to play for betterment of society. To fulfill it's role following is plan 1. To involve more number of students in NSS NCC activities 2. To increase the number of Social welfare activities 3. To create awareness through awareness meets and make students realize need of community development 4. To provide technical support to overcome societal problems 5. To extend a helping hand to the under privileged people in society 6. To involve students in various community development programs 7. To support sustainable development activities 8. To bridge gap between the rural and urban divide

through literacy drives and technical literacy programs 9. To adopt neighboring villages and provide substantial support for development • To inculcate patriotic fervor in minds of students and involve them in activities that foster cultural integrity and National integration.