



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

**PARVATHAREDDY BABUL REDDY VISVODAYA  
INSTITUTE OF TECHNOLOGY AND SCIENCE**

VISVODAYA CAMPUS, UDAYAGIRI ROAD, KAVALI 524201

524201

[www.pbrvits.ac.in](http://www.pbrvits.ac.in)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**(Draft)**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

This institution was started in 1998 by the enthusiastic and philanthropists of the Kavali Town. The campus has acquired the recognition in the region as the hub of providing excellent education in the field of Engineering and management, etc. This is the campus in the region that has both the UG & PG program in the emerging disciplines of technology. The mission is emancipation of backwardness, poverty and mental constraints of local youth by providing higher education, life skills and personality development. This institution has been striving hard to promote academic excellence, to inculcate human values and social responsibilities to mould the students as good citizens of India. Kavali is a backward area and most of the people depend on agriculture. The people of this area were not in a position to send their children for pursuing higher studies at distant places. At that time, people of Kavali felt the need of an Engineering college in the year 1998.

The institute offers academic programs such as 4 Branches of under graduate and 9 post graduate programs. PBRVITS Established in 1998 as the first engineering college under the management of Visvodaya Educational Society, Kavali, SPSR Nellore District, A.P is a premier institution with a vision to create a professionally superior and ethically strong global man power. PBRVITS today is a brand by itself, providing the optimum quality of education and is one of the most sought after names among students and parents in the country.

The departments of ECE, EEE, CSE and MECH are accredited by NBA at UG level in the year 2010 for three years and it is also accredited by Tata Consultancy Services in the year 2010 and KPIT Cummins, Pune in the year 2013. This institution is accredited in the assessment by the NAAC with A Grade in the year 2015 and also institution is permanently affiliated to JNTUA from 2017-18 to 2021-22. , New Delhi. A Special function is organizing every year to honor the meritorious out going students. In line with its commitment to help the needy students, PBRVITS issues different types of scholarships

### **Vision**

### **VISION**

**To be a premier centre of learning in Engineering and Management education that evolves the youth into dynamic professionals with a social commitment**

### **Mission**

### **MISSION**

- **To provide quality teaching-learning practices in engineering and management education by imparting core instruction and state-of-the-art infrastructure.**
- **To engage the faculty and students in acquiring competency in emerging technologies and research activities through Industry Institute Interaction.**
- **To foster social commitment in learners by incorporating leadership skills and ethical values through value-based education**

## **1.2 Strength, Weakness, Opportunity and Challenges(SWOC)**

### **Institutional Strength**

### **Institutional Strength**

### **Faculty & Staff Members**

- Well Qualified and experienced faculty
- Expertise in multidisciplinary knowledge areas
- Faculty adopts ICT and blended teaching-learning process
- Delegation of Duties and Responsibilities through well defined organizational chart
- Teaching methodology of faculty is heavily biased towards practical work, active learning methodologies.
- Good number of faculty research publications in National and International journals and Conferences
- Faculty and Staff members are competent and trained in skills enhancement.
- Average working experience of staff is more than 8 years
- Motivation provided to staff members to acquire higher qualifications and to conduct and participate in workshops / conferences

### **Students**

- Empowerment of girl students by giving them equal opportunities in every activity
- Student centric functioning including mentoring and counseling
- Promoting students to participate in the co-curricular and extra-curricular activities.
- Branch specific Value added courses to meet the current needs of the industries
- Training and Placement Cell facilitates students through soft skill trainings and in preparing for placement opportunities
- Advanced learners have demonstrated their potential through in house projects used for society and in various other competitive examinations for pursuing higher education and in furthering their professional

career

## **Curriculum & Infrastructure**

- Continuous Internal Academic Auditing for quality assurance
- Periodic review and revision of curriculum
- Well defined teaching learning process for betterment of students
- Well-equipped infrastructure and educational learning resources
- Well connected and secured atmosphere for students and staff
- Well-established examination and evaluation processes for internal and lab examinations
- Sports and games with all facilities and play ground
- Good library facility with adequate volumes and titles along with number of journals

## **Institutional Weakness**

### **Institutional Weakness**

- Need to enter in to more MOUs with reputed organizations/Industries/institutions
- Number of faculty members need qualification up gradation and to get acquainted with latest technology
- Need to focus on quality publications, patent filing and to explore commercial potential.
- Consultancy services need to be increased.
- Student's intake from poor socio-economic background
- Limited scope for research and consultancy activities
- Limited opportunities for students' placements, due to under developed industrial sector, in the nearby region
- Limited scope for altering University curriculum
- Industry-Institute interaction needs further improvement.
- Need to increase placements in core companies

## **Institutional Opportunity**

### **Institutional Opportunity**

- To acquire NBA status of accreditation for all programs.
- To explore alumni involvement in academic and placement activities
- Training for competitive examination through both in-house & external agencies
- Requirement for value added training programmes for unemployed rural youth of the region
- To develop Center of Excellence in cutting edge technologies, in every branch of engineering for supporting all the stake holders and nearby society

- To start the research centers in each branch of engineering
- To sign MoUs with more industries/ research organizations to facilitate the students and the teachers
- To increase the consultancy
- To be an autonomous institution for revision of curriculum to suit to the requirements of industry.
- Government initiatives like Make in India, Digital India, Swachh Bharat, Startup India, Skill India.

### **Institutional Challenge**

### **Institutional Challenge**

- Competition with new higher educational institutions like deemed universities, set up in the private for
  - recruitment of faculty members in advanced technology areas.
  - Attraction for students to migrate towards metro cities for admissions
  - Mushrooming of engineering colleges in the state and in Nellore district.
  - Surrounding institutes offers concession in fees to fill their seats at any cost.
  - University Affiliated institute, Rigidity in academic structure and curriculum
  - Need to enhance the communication and soft skills of the students, as most of them coming from rural and telugu speaking background
  - Market conditions and global recession along with poor economic growth.
  - Need for improving employability of the students in the current scenario of rapidly changing technology and industrial requirements as well as policies prevailing from time to time in MNCs
  - Over - riding short term job seeking goals of parents and students, limitation in the commitment of the students for undertaking rigorous academic and scholarly pursuits.
- 
- Getting funding from funding agencies is becoming difficult day by day

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

PBRVITS, Kavali is affiliated with JNT University, Ananthapur and adopts the curriculum provided by the University, which is revised after every two years. The curriculum is revised by affiliating university by involving major stakeholders keeping in view of the changing societal, global needs and employability of students. The curriculum is revised to develop students from every aspect and serve the requirements of the industry. Within the limitations of the prescribed framework, institute collects feedback on curriculum from stake holders and identifies gaps in concurrence with industry needs. The suggestions are forwarded to university for further consideration. Some the requirements will be fulfilled by the institute by conducting various co curricular activities.

Institute follows CBCS system in which students can opt for courses of their choice from the available options

provided under elective courses category. The institute has its well-defined process to plan and execute activities for effective implementation of the curriculum delivery.

Objectives and outcomes are defined for every course of every program and it is ensured that they are fulfilled at the end of every course. Institution academic plan is prepared in-line with the academic calendar of the University. Academic, cocurricular and extra-curricular activities are conducted as per the academic planner. The institution provides flexibility by introducing various certificate courses, value added courses, industrial visits, industry oriented elective courses and arranging final year project exhibitions which help to bridge the gap between industry and the institution. The institution integrates cross-cutting issues relevant to gender, environment and sustainability, human values, professional ethics into the curriculum.

The Institute effectively utilizes the services of career guidance cell, training and placement cell in collaboration with few companies in organizing programs such as Campus Recruitment Training (CRT) and Soft skills/Communication skill programs to meet the employment market needs. In addition to these, Departments help students to get industry internships during summer and winter.

### **Teaching-learning and Evaluation**

Teaching-Learning process at the institute helps students and teachers to acquire skills that empower them. The learning environment motivates active engagement of students in the development of personal skills and competencies. Interactive instructional techniques that engage students in innovative thinking and critical assessment, through the use of interviews, debates, application of ICT resources, focused group discussions, projects, presentations, internship are actively considered. Considering the advancements in technology and

need of implementing innovative teaching practices, teachers are encouraged to attend various Professional development programs which adds more value to their technical expertise and teaching methodologies.

The institution also conducts remedial classes, bridge courses, communication skills development programs, preplacement training, group discussions etc., for the holistic development of students. To assess learning levels of the students Institute takes initiatives through induction program, survey and performance in various examinations. Based on this evaluation special activities are undertaken as per need.

A platform is provided by the faculty to students to explore independently, learn through self study and from their peers, guides them to develop effective and lifelong skills. Provisions like ERP, Moodle and additional library facilities are made available to students. Utilization of resources like Virtual laboratories, NPTEL, YouTube, slide share, etc., enhances effectiveness of teaching learning process.

Innovative teaching approaches such as proactive methods, digital social learning platform, etc., are adopted by faculty members. Students' performance is being assessed by using direct and indirect assessment methods through the attainment of course outcomes and program outcomes by analyzing the year wise results and feedback from stakeholders. It helps to improve the teaching, learning, and assessment strategies adopted by the institution with reference to

predefined and intended learning outcomes. Course and programme outcomes for all the subjects are disseminated to all the stake holders including students. Course, faculty and exit surveys are conducted to assess the attainment of POs and COs.

Follows all the examination reforms and the time line set by JNTU. The evaluation process is transparent and efficient. Various innovative formative and summative assessment tools aiming at multidimensional development of student are implemented regularly. Well defined procedure is exercised for addressing grievances.

### **Research, Innovations and Extension**

The Institution encourages the faculty and students to carry out research and to promote innovative practices for serving the community through extension activities. The institute has taken an initiative to create an ecosystem for research by creating research infrastructure, developing industry & research projects and transferring knowledge through tailor made programs. Around **54** workshops are organized in collaboration with industries in the past five years.

Institution has its own code of ethics to ensure quality and legitimate practices in research and has been published on the institute Website. Around **228** research papers are published every year by faculty members in reputed Journals including UGC recognized Journals.

Various Departments of the Institute organize many conferences/ seminars/ workshops/ invited lectures/ gender sensitization programmes with a focus on capacity building in terms of research and imbibing research culture among the faculty staff and students.

Institute created ecosystem for innovation with incubation center for transfer of knowledge. Faculty members and students are motivated for research activities and encouraged to file patents. Institute promotes and supports students to participate various challenging technical and research activity/competitions to inculcate research component amongst them.

Institute has more than 34 linkages for internship, workshops and field works etc. And also institute has 23 functional MOU's with industry for completing projects, acquiring training, educating faculty and offering help for industrial electives & employability skills.

Faculty and students actively participate in the large number of extension activities like awareness for environment issues, blood donations, and social issues through various outreach programs and have won awards.

### **Infrastructure and Learning Resources**

To ensure conducive teaching-learning environment in the institute, institute has adequate infrastructure in terms of academic and physical facilities. Every department of the institute is well equipped with ICT enabled classrooms, laboratories, tutorial rooms, research laboratories, workshop, seminar hall etc. The institute ensures that the infrastructure is comfortable for physically challenged students. In addition to this, other facilities like photocopying, health center, canteen etc. are available on the campus. The hostel facility for girls and boys is

available. Institute is having adequate facilities for sports and cultural activities.

Institute has a very strong IT infrastructure and regularly updates, IT facilities in terms of hardware, software and firewall system as per need. The institute has massive network of 574 computers with 60 Mbps internet connectivity to fulfill the academic and research need. The institute has implemented enterprise resource

planning (ERP) in order to make the system student centric and enhance learning. Institute has one centralized MOODLE server. The institute has a well defined policy for upgrading and maintenance of IT infrastructure.

Campus is Wi-Fi enabled with a dedicated 60Mbps Internet facility.

Library is well equipped with a huge collection of books and journals. Library is automated with DELNET, INFLIBNET and OPAC systems. National Digital Library membership facility is available under single window search. Access to NPTEL, E-books and E-resources are available in the digital library. Access to Rare books and manuscripts is provided in the digital library. Resource books, journals, references, newspapers, newsletters and magazines are available in the reading hall. Syllabus books, Question papers are also available for reference.

Institute provides all kinds of sports facilities for indoor and outdoor games. The institution has a huge playground with athletic track and equipment for games like Basket Ball, Cricket, Volley Ball, and Hand Ball etc. Indoor sports like Table Tennis, Caroms and Chess offer good recreation activities. Well equipped gymnasium, recreation and Yoga halls, are also available. Separate space for cultural activities is provided with stage and required amenities.

### **Student Support and Progression**

Institute is dedicated to support students for their progress and overall development by organizing various activities throughout the year. Students are continuously monitored for academic progress and overall development. Eligible students get scholarship and free-ship from government schemes. Institute provides \scholarship to students who are financially weak and academically strong.

Institute organizes various enhancement and development programs such as Guidance for competitive examinations, Career and personal Counseling, Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga and Meditation. Extra coaching for GATE is provided. Students are made aware of various opportunities after graduation. Various training sessions are conducted for career guidance.

On-campus interviews are arranged by dedicated training & placement cell coordinates with prospective employers. Required Soft-skill/aptitude training is provided to students for improvement of their placement opportunities. Institute has various committees such as student grievance cell, anti ragging cell to address student grievances. Institute has active student council which helps to coordinate all students' related activities.

There are various clubs functioning on campus to nurture the creativity and talents in students. For eg: technical clubs, Hobby clubs.

.The Institute organizes various co-curricular and extracurricular activities in cultural and sports events which eventually help the students to showcase their talent. Our students have participated at University and national



level.

Institute has Mentoring system, where for each class for every 20 students a faculty acts as a mentor, till the student completes his/her program. Faculty mentor looks after mentees for overall development, academics, personal counseling.

Alumni association of our institute is a registered body. It is active and contributes by constantly supporting and providing help in areas like career mentoring to the students, helping in curriculum development, creating a network with employers, improving student recruitment efforts and in increasing efforts in collecting funds. Alumni portal is available on the college website along with a registration form.

Departments also have professional society chapters like ISTE Chapter, IETE chapter, CSI Chapter.

### **Governance, Leadership and Management**

The Management has established effective leadership by deploying vision, mission & goals. The institute has formed various committees for managing the day to day activities and the system is fully streamlined. The governance fosters participative management and plays significant role in the evolutionary reforms to elevate the Institute in preference of stakeholders. The culture of decentralized governance with well-defined interrelationships is a preparation of platform for the development. The management of institute extends their full support in accomplishment of institute's vision and mission. Accordingly strategy for the achievement of institutional objectives, short-term and long-term goals is decided and institute plans its activities, in-line with this strategy.

Principal is head of the institute, who has decentralized his authorities through vice principal, HoDs, professor incharges, faculty incharges, committee incharges and administrative officer. Different coordinators are appointed for the smooth conduction of all activities. meetings of all these office-bearers are conducted regularly, to monitor an execution of planned activities.

The institute provides various welfare measure and amenities for teaching and non-teaching staff members. It has set norms for professional development of faculty members and non-teaching staff by motivating to pursue higher studies and attending various development programs. Structured self-appraisal is collected from the faculty comprising of points on teaching capabilities, participation in research and development, administration and extension activities in addition to the student and peer feedback collected online. Institute has well defined strategies for staff recruitment and promotion.

Service rules and procedures, recruitment, promotional policies as well as grievance redressal mechanism are mentioned clearly in the HR Book. The institute has adequate budgetary provisions for academic activities and its mobilization is monitored by the

institute to ensure optimum utilization. Regular audits are carried out in this regard.

To assure the overall quality, institute has established IQAC in sep 2015. It reviews entire teaching learning

process, structures & methodologies of operation and learning outcomes of the institute, at periodic intervals. External and internal academic and administrative audit is undertaken periodically to improve institutional activities. Suggestions of IQAC are incorporated while defining strategy of the institute.

### **Institutional Values and Best Practices**

Various gender equity programs are organized by the institute. Gender Sensitization, Human values and Professional Ethics courses are part of curriculum. Throughout the campus Greenery is well maintained which helps to reduce air pollution. The institution aims to become Plastic free and paper free campus. Green landscaping with trees and potted plants is maintained

throughout the campus. The college takes conscious efforts to create awareness about energy. Institute executes many environment-friendly policies which includes plantation, waste management, water harvesting and renewable energy sources. Conservation and renewable energy such as solar panels, rain water harvesting is maintained. All new lightning devices are purchased to conserve energy such as LED bulbs, LCD monitors etc.

As a part of education, institute always focus on technical advancement with safety facilities like CCTV, fire extinguisher etc.

Being a professional programme there are a very few number of students who are physically challenged. The college infrastructure provides ramps at appropriate locations in all buildings, extra time and writer is given to such students during University examinations according to prevailing University norms.

Institute got locational advantage by which local community is benefitted in terms of techno-social aspects. As part of social responsibility institute always focused on extension activities such as gender equity, environmental consciousness, sustainability, moral and ethics. To inculcate universal values, among the students institute consistently celebrates national festivals. To inculcate ethical and moral values among the students, institute regularly conducts expert sessions and workshops along with celebration of national festivals

### **BEST PRACTICE – 1**

**Title of the Practice: Personality and Career Development Program (PCDP – Soft Skills Training)**

#### **Best Practice – II**

##### **1. Title of the Practice: Proctoring / Mentoring System**

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	PARVATHAREDDY BABUL REDDY VISVODAYA INSTITUTE OF TECHNOLOGY AND SCIENCE
Address	VISVODAYA CAMPUS, UDAYAGIRI ROAD, KAVALI 524201
City	KAVALI
State	Andhra Pradesh
Pin	524201
Website	<a href="http://www.pbrvits.ac.in">www.pbrvits.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	B Vamsee Mohan	08626-242422	9291856651	08626-24393 0	pbrvitsk@gmail.co m
IQAC / CIQA coordinator	A Suman Kumar Reddy	08626-240056	9398732056	08626-24006 6	suman.vits@gmail. com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minority institution	No

### Establishment Details

Date of establishment of the college	14-06-1998
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**University to which the college is affiliated/ or which governs the college (if it is a constituent college)**

State	University name	Document
Andhra Pradesh	Jawaharlal Nehru Technological University, Anantpur	<a href="#">View Document</a>

### Details of UGC recognition

Under Section	Date	View Document
2f of UGC	18-07-2013	<a href="#">View Document</a>
12B of UGC	18-07-2013	<a href="#">View Document</a>

**Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)**

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	15-06-2020	12	

### Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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### Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	Yes
If yes, name of the agency	KVQA CERTIFICATION SERVICES PVT LTD
Date of recognition	07-07-2020

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	VISVODAYA CAMPUS, UDAYAGIRI ROAD, KAVALI 524201	Rural	12.72	23985

## 2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Electronics And Communication Engineering	48	INTERMEDIATE	English	240	235
UG	BTech,Computer Science Engineering	48	INTERMEDIATE	English	180	180
UG	BTech,Electrical And Electronics Engineering	48	INTERMEDIATE	English	120	55
UG	BTech,Mechanical Engineering	48	INTERMEDIATE	English	120	40
PG	Mtech,Electronics And Communication Engineering	24	B.TECH	English	30	16
PG	Mtech,Electrical And Electronics Engineering	24	B.TECH	English	18	6
PG	Mtech,Mechanical Engineering	24	B.TECH	English	24	7
PG	MBA,Mba	24	DEGREE	English,Hindi	120	111
PG	MCA,Mca	36	DEGREE	English	60	1
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	36	M.TECH	English	4	0

### Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	24				32				110			
Recruited	22	2	0	24	24	8	0	32	73	37	0	110
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				72
Recruited	32	40	0	72
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				41
Recruited	30	11	0	41
Yet to Recruit				0

### Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	22	2	0	0	0	0	0	0	0	24
M.Phil.	0	0	0	0	0	0	1	2	0	3
PG	0	0	0	10	3	0	87	39	0	139



Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Doctoral (Ph.D)	Male	1	0	0	0	1
	Female	1	0	0	0	1
	Others	0	0	0	0	0
PG	Male	71	0	0	0	71
	Female	70	0	0	0	70
	Others	0	0	0	0	0
UG	Male	288	0	0	0	288
	Female	235	0	0	0	235
	Others	0	0	0	0	0

**Provide the Following Details of Students admitted to the College During the last four Academic Years**

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	57	45	47	44
	Female	42	26	48	27
	Others	0	0	0	0
ST	Male	13	4	7	9
	Female	5	2	7	2
	Others	0	0	0	0
OBC	Male	149	137	145	149
	Female	92	96	108	101
	Others	0	0	0	0
General	Male	140	155	175	219
	Female	166	177	208	234
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		664	642	745	785

## Extended Profile

### 1 Program

#### 1.1

Number of courses offered by the Institution across all programs during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
504	543	527	461	483
File Description		Document		
Institutional data prescribed format		<a href="#">View Document</a>		

#### 1.2

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
9	9	11	13	13

### 2 Students

#### 2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2511	2561	2759	2810	2767
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
319	319	332	406	406

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 2.3

### Number of outgoing / final year students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
691	750	801	714	739
File Description	Document			
Institutional data in prescribed format	<a href="#">View Document</a>			

## 3 Teachers

### 3.1

#### Number of full time teachers year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
166	182	193	245	246
File Description	Document			
Institutional data in prescribed format	<a href="#">View Document</a>			

### 3.2

#### Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
166	182	193	245	246
File Description	Document			
Institutional data in prescribed format	<a href="#">View Document</a>			

## 4 Institution

### 4.1

#### Total number of classrooms and seminar halls

**Response: 47**

**4.2**

**Total Expenditure excluding salary year-wise during last five years ( INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
516.73	570.24	583.05	523.23	620.84

**4.3**

**Number of Computers**

**Response: 703**

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

###### Response:

Parvatha Reddy Babul Reddy Institute of Technology & Science, affiliated to JNTUA, follows the curriculum given by the University.

**Academic calendar:** The JNTU-A provides the academic calendar, based on which the college prepares its academic calendar. The academic calendar provides date of commencement of the academic session, duration of semester, period of internal assessment tests, final semester examinations etc. The department allocates subjects to teachers and prepares time-table in tune with the academic calendar with provision for Value Added Programs, Library, Seminar and Project hours. Every faculty prepares lesson plan, notes on lesson, question bank, lab manuals for the subject course handled by them in line with the university syllabi.

**Course files** are maintained by all the faculty members for the subjects handled which contain all the documents necessary for the implementation of the action plan. Student's attendance for individual course will be entered in AMS.(online attendance).

###### Delivery of academic activities:

- 1.Institution provides teaching aids such as LCD projectors, Video conference room, NDL and NPTEL access for effective curriculum delivery.
- 2.Systematic examination process, standard question paper, proper and prompt evaluation and dispatching of reports to parents are meticulously planned and are carried out with utmost significance.
- 3.Slow learners are identified based on their test performance and class room interactions; extra support is provided to them through additional input by extra classes.
- 4.Assigning the teaching faculty for mentoring students on academic as well as personal development to create a better learning atmosphere.

###### Experiential Learning:

- 1.Department conducts guest lectures, seminars, workshops and symposiums through students associations to supplement the curricular inputs.
- 2.Industrial visits through Industrial collaboration and signing MoUs are facilitated to give exposure in practical needs.
- 3.Digital Library with e -Books along with most of the reference & recommended books are available for access.
- 4.All the laboratories are well equipped and periodically updated in line with the curriculum.
- 5.Bridge courses are organized and conducted for all the lateral entry

**Research activities:** The institute always strives to promote research activities in the departments and also to enrich the potential of faculties to guide students' projects by attending various lectures on Research given by eminent professionals. The institute has research centres in the department of ECE total of 4 research scholars are registered per year in the institutes.

**Faculty Development Programmes :** Teachers can strengthen their knowledge in the subjects listed in the curriculum during summer vacation and semester gap period by attending the Faculty Development Programmes sponsored by JNTUA, UGC, AICTE and other reputed universities and colleges. .

**Impact on Quality Enhancement Process:** The institute supports to all the curricular & co- curricular needs of the students and in turn caters to all the requirements of a fair education to all classes of the Society.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

#### Response:

The curriculum delivery is implemented as per the academic regulations specified by the JNTUA university. The curriculum delivery is implemented via the following steps designed by **College Academic Committee(CAC)**

**1.To Convene meeting of CAC:** CAC meeting is conducted by the Principal before commencement of the academic year/semester to plan roadmap for further proceeding of academic activities as per the academic calendar.

**2. Subject allotment:** Subject allotment is made by the HOD's as per the preference given by the faculty, difficulty of the subject and basing on the experience of the faculty.

**3. Preparation of Question Bank and Course notes:** The question bank consisting of MCQ's, 2Marks questions and essay questions are prepared by each and every faculty and also course notes are prepared prior to commencement of class work.

**4. Preparation of Academic calendar:** Each and every department conducts meeting with department faculty to prepare department academic calendar based on academic calendar issued by university, incorporating bridge courses, remedial classes, Guest lectures, tutorials, seminars, workshops etc. Same will be circulated to faculty and students for effective implementation of academic calendar.

**5. Preparation of Time Table:** Department level time table and College level master time tables are



prepared for implementing academic calendar effectively. 6. Implementation of OBE and preparation of course file: Faculty members prepare course files, which includes course notes, Question Banks, E-Learning materials etc., Faculty members prepare and circulates the course plans which include lecture schedules based on working hours, course outcomes, CO-PO mapping, reference books, E-Learning resources etc., in line with the Vision and Mission of the Department to match with the Institutional Vision and Mission. Program Educational Objectives (PEO) and Program Outcomes (PO) are developed for each program. OBE is adapted for the effective delivery of the curriculum.

7. Uploading E-resources in Moodle server: For effective curriculum delivery, E-learning resources like question bank, course notes, e-books, NPTEL video lectures, animations etc are uploaded in to Moodle server, immediately after commencement of academic year/semester.

8. Monitoring of course delivery and syllabus completion: The Course delivery and syllabus completion status is monitored through formal and informal means.

9. Feedback Mechanism: The feedback from Students is taken through teaching learning process for each course. With the help of feedback, ineffectiveness if any, in the curriculum delivery will be rectified.

10. Identification of slow learners and advanced learners: Slow learners and advanced learners are identified based on the performance in the examinations. Slow learners are given special attention to improve their academic performance.

11. Conducting Internal Theory and Practical Examinations: Internal Theory and Practical Examinations are conducted as per the university calendar and guidelines given by the university. Internal examinations are evaluated in a fair and transparent manner and results are submitted to the university within the stipulated time

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

**1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years**

- 1.Academic council/BoS of Affiliating university**
- 2.Setting of question papers for UG/PG programs**
- 3.Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
- 4.Assessment /evaluation process of the affiliating University**

**Response:** B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

**Response:** 100

#### 1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 9

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.2.2 Number of Add on /Certificate programs offered during the last five years

**Response:** 65

#### 1.2.2.1 How many Add on /Certificate programs are added within the last 5 years.

2019-20	2018-19	2017-18	2016-17	2015-16
17	14	11	10	13

File Description	Document
List of Add on /Certificate programs	<a href="#">View Document</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

**Response:** 32.04

#### 1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
949	899	711	833	883

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

**Response:**

The institution is putting persistent efforts to integrate cross cutting issues into the curriculum. The curriculum designed by the university in itself, has included many of the aspects such as the subjects namely Gender sensitization, Human values and professional Ethics, Social Ethics and Values, Environmental Studies etc. Gender sensitization is included in social ethics and values courses in the curriculum by the university, which covers Gender inequality, declining Sex ratio, sexual Harassment, domestic violence etc. Though it is in university syllabus, different activities relating to gender issues are conducted by the college through Women's forum. Women's forum consists of one coordinator, Faculty members and students from each department. Awareness programs on gender sensitization, girls health, rights of Women, sexual harassment, women's empowerment, gender equity etc. are organized through this cell. University has included Environmental Studies in I year I semester and II sem. Students are given

inputs for promoting various environmental issues like

- Natural resources include Renewable and non-renewable resources, water resources, mineral resources and food resources.
- Eco systems are Forest ecosystem, Grassland ecosystem, Desert ecosystem and Aquatic ecosystems.
- Biodiversity and its conservations like Bio-geographical classification of India, wildlife and Endangered and endemic species of India
- Environmental pollutions like Air Pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards etc
- Other Social issues like: waste management, social issues in relation to environment, human population related to environment etc.

Field visits as part of students' assignment are conducted to study various environmental issues. University has included a course on Human values and Professional Ethics in R13 Curriculum Social values and Ethics in R15 Curriculum for all programs of third year B. Tech and M.B.A, mainly dealing with the ethical aspects for the prosperity of organization and for personal development of the students. Course explains various steps towards holistic and value based living. In this course, students taught concepts like Basic Concepts of Society, Channels of Youth Moments for National Building, Activities of NSS concerning to Citizenship, Youth and Crime, Social Harmony and National Integration, Environment Issues, Health, Hygiene & Sanitation, Disaster Management, Civil/Self Defense, Gender Sensitization and Physical Education. Even though it included in university syllabus different activities like seminars and workshops relating to Human values and professional Ethics/Social values and ethics, are being conducted by the college through HVPE Cell.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

**Response:** 90.28

#### 1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
450	480	467	421	453

File Description	Document
Programme / Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>

### 1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

**Response:** 21.66

#### 1.3.3.1 Number of students undertaking project work/field work / internships

**Response:** 544

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.4 Feedback System

**1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni**

**Response:** A. All of the above

File Description	Document
Any additional information (Upload)	<a href="#">View Document</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

### 1.4.2 Feedback process of the Institution may be classified as follows: Options:

- 1.Feedback collected, analysed and action taken and feedback available on website
- 2.Feedback collected, analysed and action has been taken

**3.Feedback collected and analysed**

**4.Feedback collected**

**5. Feedback not collected**

**Response:** B. Feedback collected, analysed and action has been taken

File Description	Document
Upload any additional information	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>

NAAC

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average Enrolment percentage (Average of last five years)

**Response:** 72.21

##### 2.1.1.1 Number of students admitted year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
664	642	745	785	836

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
912	912	948	1164	1164

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

#### 2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy ) during the last five years ( exclusive of supernumerary seats)

**Response:** 79.08

##### 2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
296	234	282	261	325

#### File Description

#### Document

Average percentage of seats filled against seats reserved

[View Document](#)

Any additional information

[View Document](#)

## 2.2 Catering to Student Diversity

### 2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

#### Response:

The Institution strives hard to design and develop student-centric approaches and activities to address the individual requirements of diverse levels of students.

#### Identification of Slow and Advanced learners:

Slow and advanced learners are identified in a bid to provide personalized attention and initiate appropriate individual measures. Students scoring over 60% in the first midterm examinations are considered advanced learners and those with less than 60% as slow learners. Several parameters have been used to identify the slow and advanced learners such as Intermediate Marks, EAMCET rank, Class room and Laboratory interactions and performance

Performance in the I Midterm Examinations

Motivation levels

Levels of enthusiasm & participation

#### Slow Learners

The areas of deficiencies of the slow learners are identified through mentors, class teachers and individual interactions and adequate remedial measures have been initiated such as-remedial classes Creating peer-learning ambience Group activities clubbing with advanced students Bi-lingual approach at times to make them feel at ease.

#### Advanced Learners

Similarly advanced learners are provided with several opportunities for enhancing their multi-dimensional competencies towards accomplishing their goals, such as:

A team of In-house trainers impart intense training as per well visualized and structured training schedules integrated into the college schedules in the areas of Aptitude, Communication skills, Core skills. Employability skills.

In order to promote and create avenues of higher education, training programmes are arranged beyond the college working hours in:

GRE, Skilled professional resource persons are invited for equipping the advanced students in the technical skills in the areas of, C Programming and Data Structures



Core Java, Python, IoT

Programs for both advanced & slow learners

### Orientation Programme:

Students are admitted through a set pattern through EAMCET and other lateral processes.

The Orientation Programme after the admission process familiarizes the newly joined students and parents about the technical education. The management, administration and motivational speakers from industry and academia interact with the students explaining the vision, mission and policy statement of the college during the course.

### Bridge course:

A Bridge courses is organized by the Institution to help the fresh students to reorient themselves by distinguishing between content learning and skill learning with application orientation.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Past link for additional Information	<a href="#">View Document</a>

### 2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 15:1

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences**

Response:

### Student Centric Methods:

The following psychological and perceptive components of the learners are considered in evolving

strategies:

1. Their diverse learning priorities
2. Different learning competencies and styles of learning
3. Distinct backgrounds in knowledge base and learning experiences
4. Varying needs and interests of the learners
5. Possibilities to make the learner important in learning experience
6. Quest for scope for collaborative learning through pair/group activities
7. Recognizing the uniqueness of the learner and frame the pace and content accordingly.
8. A perceivable shift from the approach of generalization to individualization.

### **Individualized Activities:**

Adequate training and encouragement is provided to the students to participate in seminars, conferences and projects and present papers and posters. Regular library time is provided for accessing current journals and reference books. Tasks for problem-solving are visualized and implemented.

### **Coding Competitions**

Competitions in solving the challenges in coding are organized during Tech-Fests and other academic events, to develop technical and logical skills among the students and to improve their creative-critical thinking and problem-solving skills.

### **Spoken Tutorial:**

The Institution accesses and organizes the training sessions of the educational content portal, Spoken Tutorial,, where a student can learn various Free and Open Source Software all by oneself. All the content published on this website is shared under the CC BY SA license.

### **Digital Resources**

Several digital resources are kept available for the students to encourage the culture of self-study, research and participatory learning. NPTEL video lectures, e-journals, e-books, CDs, DVDs, and access to innumerable internet resources through high-speed broad band connectivity are provided to the students.

### **Experiential-Learning**

The Departments continuously evolves strategies to involve the students comprehensively in the experiential learning processes. As part of these industrial trips, field visits, projects, participation in presentations and workshops and internships envisaged on regular basis to create real-time learning experience to the students.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

#### Response:

#### *Teachers use ICT enabled tools for effective teaching-learning process*

Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. Learning Management System (LMS) & E – Learning Resources

Information & Communications Technology (ICT) enabled teaching methodologies and advanced technology are being followed by the faculty members in class rooms.

The academic plan with budget, lesson plan, lab manuals and question banks with solution are made available at the very beginning of the semester. It is called as Academic book for each semester.

The use of multimedia teaching aids like, **LCD** projectors, classrooms with internet enabled computer/laptops/tablet systems are usually used in classroom.

The electronic resource packages like **DELNET**, **NPTEL**, **SPOKEN TUTORIAL** and Digital Library are available. The faculty members effectively utilize Audio Visual aids to demonstrate the concepts to the students, also using the resources from National Programme on Technology Enhanced Learning (NPTEL) to enhance the learning experience.

USB Hard disk containing web and video courses (offline) from NPTEL are accessible to faculty and students from the server installed in the library. These courses are the part of LMS and also Available on local Server.

Online tests are conducted and e-assignments are given through '**Code Tantra**' software. Sufficient number of books, Journals, e-journals and e-books are available in the library. The research journals are available online and facility for accessing these journals is provided through proxy server in the campus.

Seminar hall is also equipped with multimedia facilities using ICT tools. Invited talks and webinars are conducted in seminar hall using ICT facilities.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View Document</a>

### 2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year )

**Response:** 20:1

#### 2.3.3.1 Number of mentors

**Response:** 126

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	<a href="#">View Document</a>
mentor/mentee ratio	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

**Response:** 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

**Response:** 12.26

#### 2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
24	23	22	27	29

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

**Response:** 6.51

#### 2.4.3.1 Total experience of full-time teachers

Response: 1080

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

**Response:**

*The* Institute is affiliated to JNTU, Ananthapur, the rules and regulations for evaluation process are laid down by the affiliating University and are communicated to students through syllabus copies supplied in the beginning of first year of their academic program.

The schedules of mid examinations are communicated to students and faculty in the beginning of the semester through institute academic calendar.

Question banks are prepared by the concerned staff member and they are issued to the students well in advance Mid timetables are circulated to the departments in one week before the commencement of mid examinations and they are displayed in the exam cell notice board.

After the correction, the mid answer scripts are distributed to the students and the students can verify their marks.

Finalized mid marks are displayed in the department notice boards and if any discrepancies notice by the students can be intimated to the H.O.D and necessary modification will be done in the mid marks sheets.

Schedule for end semester examinations will be communicated during the semester as and when schedule is released by the University. The periodic instructions issued by the university are promptly communicated to the students. Such instructions are read in the classrooms and the copy of the same is displayed on the notice boards.

Performance in semester exams, Internal Lab Examinations, comprehensive viva and projects also are metrics for the continuous internal evaluation.

#### **Labs assessment:**

The day to day performance of the student is recorded in each lab session and marks are allotted by considering the performance of the student in that lab session , record work and the knowledge of the student on the experiment conducted on the lab session. The marks are allotted in front of the student after completion of viva.

The final lab internal marks are displayed in the department notice board before they are uploaded to the university portal. If any student needs clarification in the marks he can contact the concerned department H.O.D for any clarification.

#### **Projects work assessment:**

The project work starts during end of seventh semester. Senior faculty members, HOD and Project Coordinators select one project for each group considering the quality, relevance, University norms. Projects are selected in line with Department mission, vision, PEO, PO and PSOs. Students submit 3-5 project abstracts to the department project coordinator along with their project group members and area of interest.

The project assessment is done through Two Internal reviews, external review

The details of guide allotted to the batch and review schedules are displayed in the department notice boards. The panel of members for the reviews of each batch is also displayed in the notice board.

#### **Seminar Assessment:**

The final year students seminar presentations are assessed based on Topic selection, Presentation, Report

Preparation The seminar marks are displayed in the notice board of the concerned department.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

#### Response:

PBRVITS is particular in maintaining transparency in the grievance redressal of examination related issues. College Examination Grievance Cell (EGC) is constituted with Principal, Exam In-charge and two senior faculty members to looking into issues related to examinations. CEGC has classified grievances concerning to IE and EE. IE related grievances can be addressed to CEGC.

#### Grievances Related to Internal Evaluations:

The activity of showing answer book to the student is in vogue, where the scripts or results are shown to the students after assessment of each IE. Discrepancies if any are raised by the affected student with CEGC.

Final IE marks are submitted to the exam centre and displayed on the notice board. On issues not redressed by faculty, students have to register their complaint with EGC in grievance form available in the examination centre. Based on the gravity of the complaint the grievances are resolved on the spot or at a later date. The resolved grievances are communicated to the department and the student. All the internal grievances are addressed within one to three working days.

S.No	List of Internal Grievances
1	Attendance Problem (Detention & Condonation)
2	Examination Time related Issues
3	Distribution & Verification of Answer Scripts
4	Grievance on Question papers
5	Grievance on Evaluation
6	Discrepancy in Internal Marks
7	Lab Internal marks correction
8	Seminar Internal marks correction
9	Project Internal marks correction
10	Internal Marks of Audit courses correction
11	Rejoin students substitute subjects issues
12	Grievances of rejoin students due to lack of credits

13	Grievances of rejoin students due to attendance detention
14	Malpractice cases
15	Mismatch of Electives
16	Credits Problem
17	Name Correction (Student Father & Mother)
18	Mobile number correction/Up to dating
19	Miscellaneous

### **Grievances Related to External or University Evaluations:**

The External Examinations (EE) are conducted by the university. Hence all the grievances of students with regard to EEs are addressed by the Exam section to the University. To raise any grievance related to EE, students have to fill the concerned form and pay the stipulated fee at the college exam section. These grievances are represented to the University. The Rules and Regulations framed by the University are followed to raise the grievances. These are displayed in website and notice boards. A record of the same is maintained with the institute's Exam section.

<b>S.No</b>	<b>List of External Grievances</b>
1	Exam Registration issues
2	Issuing of hall tickets
3	Examination center allotment related issues
4	Examination Timetable issues
5	Name correction in hall ticket
6	Grievance on question paper
7	Student malpractice
8	Electives deviation issues
9	Substitute subjects issues
10	Discrepancy in results Theory/Practical
11	Recounting



12	Challenge Evaluation
13	Photo copy of answer script
14	Percentage Changes issues
15	Issuing of PC/CMM/OD
16	Name correction in marks memo/PC/CMM/OD
17	Credits problem
18	Transcripts related issues
19	Migration related issues
20	Miscellaneous
21	EMS problems

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

**2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.**

### Response:

The Vision, Mission, of various departments and Program Education Objectives (PEOs), POs and PSO of various programmes were framed to implement the outcome-based education and also inculcate, involve the faculty, students and various stakeholders towards outcome based education.

The Program Outcomes (POs) are common for all engineering programmes defined as graduate attributes and the NBA has given.

Vision, Mission, PEOs and PSOs are prepared by the department for the respective programmes, Course Outcomes (COs) are prepared as mentioned below:

COs are prepared selecting an action verb using Bloom's Taxonomy significant to subject content. COs are prepared based on the curriculum syllabus. Totally 5 Course Outcomes are prepared for each subject in B.Tech programme. When it required to consider multiple verbs, highest level of verb from Bloom's

Taxonomy is considered.

The Vision and Mission Statements along with PEO's, POs and PSOs are published (Internal and External Stake Holders) at:

- College website
- Department Brochure
- Department Newsletter
- Course files
- Lab Manuals
- Project Book
- HoD Room
- Department Corridors
- Department Notice Boards
- Seminar Hall
- Faculty Rooms
- Class Rooms
- Tutorial Room
- Conference Hall /Department Library

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Past link for Additional information	<a href="#">View Document</a>

## 2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

### Response:

In order to scientifically evaluate the levels of attainment of the projected perspectives, the Institute strictly adheres to the procedures of considering the performance metrics of Program Specific Objectives, Program Outcomes and Course Outcomes using the design of top-down approach and appropriately mapping them.

The Program Specific Objectives are in tune with the expectation of the professional bodies and the society. The Program Outcomes are brought down directly from NBA Programme outcomes. To meet these Program Outcomes, the curriculum is designed by JNTUA. Each course has specific measurable Course Outcomes. Each course has 5 units and in general each unit relates to a specific Course Outcome. Each Course Outcome is mapped with the Program Outcomes, and Program Specific Objectives. While calculating the attainment level bottom to top approach is used.

For each course, attainment level of all Course Outcomes is arrived at scrupulously based on the student

performance in the internal and external examinations. Similarly, the feedback at the end of course is taken to assess the Course Outcome indirectly. Thus, the attainment of Course Outcome is a combined result of direct and indirect assessment. This in turn helps in arriving at the Program Outcome assessment as each Course Outcome is mapped with certain Program Outcomes and Program Specific Objectives. Besides this, the exit survey is taken from students for indirect assessment of the Program Outcomes. The alumni and employer surveys are taken for indirect assessment of the Program Specific Outcomes.

The following computational procedures have been followed to arrive at the levels of attainment.

CO attainment:

Direct Attainment of CO is computed considering 30% of CO attainment in internal examination and 70 % of CO attainment in the external examination to arrive at the total attainment level.

The overall attainment of CO is calculated considering 80% of the CO attainment by Direct method and Describe the method of measuring the level of attainment of POs , PSOs and COs in not more than 500

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional information	<a href="#">View Document</a>

### 2.6.3 Average pass percentage of Students during last five years

**Response:** 71.91

#### 2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
590	571	558	535	558

#### 2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
785	780	820	752	775

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

<b>2.7.1 Online student satisfaction survey regarding teaching learning process</b>	
<b>Response:</b>	
File Description	Document
Upload database of all currently enrolled students (Data Template)	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)**

**Response:** 119.35

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	85.95	33.4

#### File Description

#### Document

List of endowments / projects with details of grants

[View Document](#)

e-copies of the grant award letters for sponsored research projects / endowments

[View Document](#)

**3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)**

**Response:** 3.01

**3.1.2.1 Number of teachers recognized as research guides**

**Response:** 5

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

**3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years**

**Response:** 25

**3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	3	2

### 3.1.3.2 Number of departments offering academic programmes

2019-20	2018-19	2017-18	2016-17	2015-16
4	4	4	4	4

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
List of research projects and funding details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

#### Response:

PBRVITS, Kavali taken steps for developing ecosystem for innovations and various knowledge transfer methods through policies and systems in place. Institute encourages students/staff to work towards developing their own ideas and to share ideas between them and with technological leaders in the field. College educates students and staff through projects in the curriculum and outside curriculum.

Institution has set up Incubation center under Entrepreneur Development cell to broaden scope of research activities and to promote Entrepreneurship through industry and institute interactions. Incubation cell of institution is well equipped with Computers, Internet, Printers, Projectors and books etc, stake holders for IIC have ample scope for Industry and for product development skills

EDC of PBRVITS provides platform for students to become Entrepreneurs and encourages them to become employers than job seekers. Institution has organized various motivational activities to inculcate Entrepreneurial culture in the institution

It focuses on awareness on creativity, innovation and nurtures Entrepreneurial ideas in students. Innovative ideas of students are implemented in incubation center to convert ideas into working products for the benefit of students, industry and to the society,. Incubation center provides technical support to incubates and encourages them to become entrepreneurs.

Innovative ideas are incubated, faculty and experts help is provided in developing prototype working models. Innovative projects are developed through the incubation center Guest lectures on Entrepreneurship are being organized regularly and entrepreneurship camps arranged. PBRVITS E-cell and IIC encourages innovative entrepreneurial ideas and campus start-ups

#### Broader activities of Innovation and R & D Cell of PBRVITS

Time to time Industry leaders and eminent personalities with right expertise are invited from various organizations for conducting seminars, workshops, Brainstorming sessions and symposiums.

Provide Opportunity for Interaction with Successful student entrepreneurs from other institutions and Alumni entrepreneurs for motivating and inspiring budding entrepreneurs at PBRVITS

Envisage and adapt methods for taking up Industry-Institute collaborative projects and demonstrate student design up-gradation skills for knowledge transfer to industry

Assistance for students towards designing and developing and testing innovative and socially inclined projects.

Participate in collaborative research with Health industry for the feasibility of developing affordable medical devices, systems and services at hospitals

Encourage, assist and sponsor students to participate in National level Design Contests, Design Innovation Quizzes, hackathons etc conducted by industry leaders in IC technology, ICT, State Government Sponsored Innovation demonstration events etc.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

**Response: 18**

#### 3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
4	4	4	3	3

File Description	Document
Report of the event	<a href="#">View Document</a>
List of workshops/seminars during last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

<b>3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years</b>	
<b>Response: 1</b>	
<b>3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years</b>	
Response: 5	
<b>3.3.1.2 Number of teachers recognized as guides during the last five years</b>	
Response: 5	
File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years</b>				
<b>Response: 2.03</b>				
<b>3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.</b>				
2019-20	2018-19	2017-18	2016-17	2015-16
99	96	78	74	73



File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

**Response:** 0.99

#### 3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
46	78	70	7	3

File Description	Document
List books and chapters edited volumes/ books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.4 Extension Activities

### 3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

**Response:**

Extension activities in the neighborhood community

The institution extends research culture through college-neighborhood network to fulfill social responsibility. In institution, students are always motivated to do innovative projects which solve social problems and meeting the essential needs through academic projects and extension activities.

As a part of the extension activities which emphasizes community services, PBR Visvodaya Institute of Technology & Science – N.S.S. Unit – provides free medical aid, supplies food for the orphan & old age people.

Apart from this NSS unit has participated in the Coastal Cleaning Camps on the. From time to time the Institution also organizes various health and family welfare awareness program. These events are organized both on the premises of PBR VITS and outside the premises. The students are involved in organizing these camps.

A large number of lives have been touched through the various events organized by this organization since its establishment ranging from economically deprived people to people who are deprived socially. Blood donation camps in collaboration with Indian Red Cross Society, Area Government Hospital Blood Bank are a regular feature.

Many of these events were covered by the leading newspapers and news channels. The huge response and success of these events exhibits the effort and sincerity of intensions of the members. The college's NSS unit also thrives to keep up the spirit and performance.

Students has conducted many of the socially sensitizing programs related to Swatch Bharat, Tree Plantation, Yoga, Women's parliament, Disha amendment bill, save water awareness rally, Seminar on Nation Building & Ban Plastic rally.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

**Response: 1**

#### 3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
0	1	0	0	0

File Description	Document
Number of awards for extension activities in last 5 year	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years ( including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)**

**Response: 32**

**3.4.3.1 Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
5	7	6	7	7

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years**

**Response: 29.1**

**3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
480	610	1030	960	860

File Description	Document
Report of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>

### 3.5 Collaboration

#### 3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

**Response:** 60

##### 3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
17	20	3	10	10

File Description	Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

**Response:** 39

##### 3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
10	12	6	6	5

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

NAAC

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.**

**Response:**

PBRVITS is located at Kavali (Village), Kavali (Mandal ) SPSR Nellore (District) Andhra Pradesh - highway encompassing a sprawling area of 12.72 acres with a built-up area of about 23985 Sq. m.

All the classrooms in the departments are provided with necessary provisions to enable the use of LCD projector and Laptop/computer for teaching -learning process. The institute has 7 seminar halls with LCD projectors, computers with internet connectivity and public address system. These seminar halls are utilized for co-curricular activities such as guest lectures, workshops and seminars.

The central library possesses Digital Library with 30 computers to access the e-learning resources. All the Computers are connected through LAN to facilitate the conduct of on-line tests.

A 2000 seating capacity open auditorium with state of art facility to conduct joint sessions for students.

The other physical infrastructure includes classrooms (66 sqm each) , laboratories ( 66 sqm), seminar halls ( 132 sqm each), departmental libraries ( 20 sqm), staff rooms ( 300 sqm all together),and central facilities like computer centre ( 132 sqm), central library ( 760 sqm), dispensary ( 10sqm), gymnasium (30 sqm), transportation office (10 sqm), administrative office ( 30 sqm) and they have been planned and constructed as per AICTE norms.

The college has the following supplementary facilities in the campus

ATM, Canteen (150 sqm) , Stationery Store (10 sqm), Sprawling playground 2 acres to conduct sports and games events, Postal / Courier, Each department block is provided with an Office room (300 sqm) and a common room with an Office Assistant and a peon. Other provisions include notice boards, separate rest rooms for female and male students. The Institute has two hostels one for boys and one for girls with internet facility and other modern facilities. First-aid boxes are provided in different locations inside the campus including departments, laboratories and hostels and they are periodically refilled.

The institute has taken all aspects of safety and security measures by appointing security guards for the entire campus, Installing fire extinguishers, Protection against Earth Leakage (using Circuit Breakers), Installation of exhaust fans at specified locations, Provision for an outlet of fumes and gases from the laboratories, supply of RO Mineral Water and uninterrupted power supply through Generators and UPS back

File Description	Document
Upload any additional information	<a href="#">View Document</a>

#### 4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

##### Response:

The Department of Physical Education (DPE) of PBRVITS has been putting in its best efforts in imbibing knowledge and imparting skills to students and faculty in various sports and games, developing them to higher levels of expertise. Sports club of PBRVITS has successfully induced the sporting culture among the students and faculty, which is evident through the laurels achieved. The DPE comprises of Physical Director and supporting staff.

The Institute is enriched with play area which includes:

Four Tennis courts with flood light facilities, Athletic Track, Basketball Court, Cricket Ground, Football Field, Tennis Court, Volleyball Courts, Badminton Courts and Indoor games, Cultural Activities. PBRVITS strongly believes that Cultural activities are an integral part of enjoyment and entertainment, as a means of creative expression, for personal growth and the pursuit of excellence, to learn new skills, to meet new people, and to celebrate cultural traditions. The institute has established a Student Open Air Theatre which has a seating capacity of 1500.

##### Cultural facilities:

The cultural club actively involves in organising events like annual cultural programmes like traditional day, annual day techno carnival, teachers day, and Fresher's day. And it also promotes participation of student in inter collegiate competitions.

Involvement of the students in the cultural Activities is more pronounced with their dynamic participation in organizing several college events such as Orientation Programme, Fresher's Day, Annual Day, Class Farewell Programs and Women's Day. In addition they also involve in the regular events such as Teachers' Day, Engineers Day, National Science Day, Republic Day, Independence Day, Sankranti festivities and so on.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

**Response:** 91.49

##### 4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 43

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 17.9

##### 4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
54.92	67.15	170.44	59.21	164.70

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	<a href="#">View Document</a>
Upload audited utilization statements	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The library of the institution is equipped with Library Management System services. ILMS Software Package is an Integrated Library management System (ILMS) with Barcode Scanner that supports all in-house operations of the library.

Name of the ILMS Software: Libsoft

Nature of Automation: Fully Automated

Version: 9.8.5.0



Year of automation: 2005

The Central Library of the Institution has an excellent knowledge, providing facility for the benefit of students, faculties and researchers. As one of the best established library's meeting International Standards, the central Library has a large collection of books covering various branches of Engineering and Technology, Management, and Humanities and its related fields. The library is located in the ground floor of Cotton 'Block, and is spread over Ground area of 760 sq mts. The library building with book collection of around 40949 text books, 135000 E-books, SC/ST Book Bank with 4048 text Books and 806 back volumes.

Institute library is also using Drupal Content Management software, where Notifications, Question Papers, NPTEL videos, e-books, personality development videos, GATE, IES material available.

Library Management system (LMS) software with all the functional modules of library management completely implemented and has the following modules:

#### **Administrator**

Add User

Modify User

Delete User

Member Category

Holiday Master

#### **Acquisition**

Regular purchase

Journal Subscription

**Cataloging:**

Bibliographic data

All Types of Documents Entry

Subject Category

Vendor Master

Budget Master

Currency Master

Serial Catalogue

Journals Transaction

Journals Periodicity Report

Renewals for journals

**Circulations or Transactions:**

Material Transaction (Issues or returns)

Material Up dating

Member (student) Registration

Member (Staff) Registration

Fine Transaction or Up dating

Material Binding Transaction

Reservation Facility

**Reports:**

Material Search (Select Columns ) Report

Book Search on Accession Number

Member (Staff/Student) Report

Title Summary for Material

Transaction (issues/returns) Material Report

Binders Report

Material Book Report

Category wise members (student/Staff)

Old Transaction Report

**Barcode Printing:**

Barcode Generation

Users barcode generation with Photo

Card Setting

Label Setting

**Statistics:**

Graph for material (Issue/Return) Transaction

Analysis Graphs

Member Transaction

**OPAC:**

Search by Author

Search by Title

List of New Arrivals

List of Journals

Name of ILMS software

- Nature of automation : LIBSOFT
- Nature of automation: Fully
- Version 9.8.0
- Year of Automation 2005

File Description	Document
Upload any additional information	<a href="#">View Document</a>

#### 4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

**Response:** A. Any 4 or more of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	<a href="#">View Document</a>

#### 4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

**Response:** 3.02

##### 4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
3.31	3.24	2.68	2.58	3.29

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

#### 4.2.4 Percentage per day usage of library by teachers and students ( foot falls and login data for online access) during the last completed academic year

**Response:** 20.25

##### 4.2.4.1 Number of teachers and students using library per day over last one year

Response: 542

File Description	Document
Details of library usage by teachers and students	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1 Institution frequently updates its IT facilities including Wi-Fi

**Response:**

PBR Visvodaya Institute of Technology and Science, Kavali has a clearly policy to enhance IT facilities to promote advance technologies in teaching learning methods and also in Research. The College updates the IT facilities on a regular basis. The connectivity through a fully network available campus with updated IT infrastructure, computing and communication resources offers student's highly interactive learning environment with full-fledged hardware and software training facilities.

All Labs and Central computing facilities are connected to LAN and Internet has been provided to all computer labs. Single network across the campus and access to internet resources under uniform network policy are also made available. Campus is Wi-Fi enabled with high speed and placed access points and repeaters at different locations. All class rooms are equipped with LCD projectors.

Up gradation arrangements on a regular basis are incorporated into yearly spending plan. Computers are gradually increased and updated with high configurations year after year. Majority of Pentium systems are replaced with Core2Duo and update with i3 systems.

All Labs and Central computing facilities are connected to LAN. Internet bandwidth gradually increased from 30 MBPS to 80 MBPS from BSNL, SRNET service providers during the last 5 years. Wi-Fi access points are installed at various locations and provided 24/7 internet facility. Wi-Fi access points are also updated from time to time during regular intervals when required.

LCD projectors are facilitated gradually in all the class rooms as part of providing IT facilities. Sufficient number of Printers and Scanners are available in the Campus and the number is increased year after year as per the requirement. Licensed and open source software's are available in all required departments which are upgraded to meet the requirements as prescribed in the syllabus.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 4:1

File Description	Document
Upload any additional information	<a href="#">View Document</a>

#### 4.3.3 Bandwidth of internet connection in the Institution

Response: A. 750 MBPS

File Description	Document
Upload any additional Information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

### 4.4 Maintenance of Campus Infrastructure

#### 4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 60.6

##### 4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
262.31	306.07	533.52	253.31	364.05

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

#### **4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.**

##### **Response:**

The physical, academic and support facilities like classrooms, labs, seminar halls, auditorium, computer centre, gymnasium, buses, boardroom, guest room etc., are well maintained and used based on the requirement as per the standard procedure.

Classrooms, seminar halls & laboratories:

Class rooms and seminar halls come under daily maintenance. The administrative staff takes rounds of all the class rooms and seminar halls every day. In case of requirement for maintenance such as lights, fans, benches etc will be attended by maintenance staff.

Laboratory in charge, along with laboratory assistant, ensures proper working of all equipment at the beginning of each semester. Repairs and Maintenance of laboratory equipments are initiated by the respective Laboratory In charge as and when required. As per the requirement, minor repairs are carried out by lab assistant/s. Faculty In charge and HOD handles the major repair/maintenance by placing order to the concerned equipment experts.

Computers and allied Infrastructure:

Routine computer maintenance, software installations, networking are handled by the CSE Department. Computer, LCD projectors and CC cameras maintenance and checking activity carried out by team of system engineer, hardware engineers and technicians. The equipment with major repair, are being repaired by outside agency. After receiving quotation for maintenance and repair charges necessary approval from college authorities and management is taken. Thereafter equipment is sent for repairing by issuing gate pass and the status of repair work is tracked.

Library, Sports and Games:

The librarian is the in charge for handling all the maintenance works required in the library through maintenance staff. He takes care of utilization of books, computers and other learning materials in the library. The physical director takes responsibility for all repairs pertaining to sports equipment and courts. He has to maintain courts properly on daily basis with the help of the maintenance staff. Electrical Facilities:

Electricians are available round the clock to address power breakdown. Maintenance Department monitors the services of electricians. They perform regular checks in classrooms and in the campus to ensure that all

electrical fittings are in excellent condition.

#### Buildings and Infrastructure:

Maintenance of buildings and related areas are undertaken by the Maintenance Department. Maintenance staff consists of Qualified Electricians, Carpenters, Plumbers and other service personnel. Monitoring of the facilities is carried out regularly by the administrative officer. Maintenance and housekeeping of the classrooms, laboratories, library, and the institute as a whole are taken care by the maintenance staff. Minor maintenance of furniture items and metal fixtures is carried out by the workshop.

File Description	Document
Upload any additional information	<a href="#">View Document</a>



## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

**Response:** 74.84

##### 5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1851	1921	2068	2103	2094

#### File Description

#### Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

#### 5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

**Response:** 7.12

##### 5.1.2.1 Total number of students benefitted by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
112	110	120	256	370

#### File Description

#### Document

Upload any additional information

[View Document](#)

Number of students benefitted by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)

[View Document](#)

**5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following**

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

**Response:** A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>

**5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years**

**Response:** 47.67

**5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
1251	1256	1352	1405	1120

File Description	Document
Number of students benefitted by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1 Average percentage of placement of outgoing students during the last five years

**Response:** 42.07

#### 5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
364	325	312	290	257

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years (Data Template)	<a href="#">View Document</a>

### 5.2.2 Average percentage of students progressing to higher education during the last five years

**Response:** 8.83

#### 5.2.2.1 Number of outgoing student progression to higher education during last five years

**Response:** 61

File Description	Document
Details of student progression to higher education (Data Template)	<a href="#">View Document</a>

**5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)**

**Response:** 25.45

**5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
1	15	8	9	6

**5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
50	30	26	35	32

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

**5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.**

**Response:** 152

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
42	45	24	19	22

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>

### 5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

**Response:**

**Response:**

The Institution firmly believes in empowering the students within the framework of the administrative processes through their participation in most of the academic and administrative bodies, Associations, Professional Student chapters actively functioning in the college such as CSI, IEEE and IETE.

#### **Class Committee**

Every class has a Class Representative and a Lady Representative to appraise the management and administration of the issues pertaining to their classes.

#### **IQAC**

Internal Quality Assurance Cell (IQAC) meets twice in a semester. The student representatives are part of the committee. They also give the feedback from their perspective in matters pertaining to quality.

#### **Alumni Association:**

In addition to the members of the faculty, students from each branch of the III year are selected as members of Alumni Association of the Institute. They are responsible for interacting with the alumni periodically, maintaining update database of alumni contact information, organizing annual alumni meets and maintaining the record of the alumni initiatives.

#### **Extra-Curricular Activities**

Involvement of the students in the Extra Curricular Activities is more pronounced with their dynamic participation in organizing several college events such as Orientation Programme, Fresher's Day, Sports

Day, Annual Day, Class Farewell Programs and Women's Day. In addition they also involve in the regular events such as Teachers' Day, Engineers Day, National Science Day, Republic Day, Independence Day, Sankranthi festivities and so on.

#### **National Service Scheme (NSS):**

The participation of the student volunteers of NSS in a number of service activities is over whelming. They play a significant role in creating awareness on social service among the students, selecting service projects on basis of utility and feasibility and meeting emergencies and natural disasters within college and outside too.

#### **Anti-ragging sub-committee**

The students are part of the committee as representatives take the message of anti-ragging to the peers duly explaining the scales of punishment attracted by acts of ragging.

#### **Sports and Games Committee:**

Student members of this Committee bring to the notice of the Physical Director all their sports related problems and requirements of grounds, equipment and gymnasium for appropriate response from the management.

#### **Library Committee**

The Institute has a Library Committee with representation from the students. Any library reforms are processed through this committee.

#### **Women's Grievance Cell (Internal Complaint Cell – ICC):**

The students being part of this committee deals appropriately with reported cases of sexual harassment, abuse or discrimination and initiate action against particular grievances in respect of unfair treatment due to gender bias.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### **5.3.3 Average number of sports and cultural events/competitions in which students of the Institution**

**participated during last five years (organised by the institution/other institutions)**

**Response:** 406.8

**5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
431	391	268	431	513

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	<a href="#">View Document</a>

## 5.4 Alumni Engagement

**5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services**

**Response:**

**Response:**

At PBR VITS, the relationship between the alumni and the alma mater is integral and continuous. The Institute has an active activity calendar and connects with the alumni regularly.

**Aims and Objectives:**

- To maintain and update contacts of Alumni.
- To conduct meetings regularly at least once in a year.
- To communicate the college events periodically to the Alumni.
- To invite Alumni to visit the campus and take their suggestions for the future improvement of the Institute.
- To request the Alumni to extend their contributions towards the development of the institute.
- To take up help of Alumni guidance towards higher education.
- To conduct seminars, workshops with the support of Alumni.
- To help the poor and bright students with the help of Alumni.
- To help the unsettled Alumni with the help of Alumni.
- To promote professional knowledge of its members by publicizing newsletters, journals and



conducting scientific conferences, workshops, and seminars.

- To do such other things as may be necessary to the attainment of all or any of the above objectives of the Society.

### Initiatives involving finances:

The Alumni of the Institute is warming up to the requirements of the Institute. Moderate financial support has been trickling in from the alumni. They have started, to identify the small, but necessary requirements and to attempt to provide the same. Till date their financial support extends to the following:

- Giving incentive cash prizes during College Day celebrations and Alumni Association functions to motivate and encourage performing students.
- Donation of important books for the use of the students in diverse branches.
- Placing the dust bins to keep the campus clean.
- Arranging for the table name plates for the faculty to give a professional look
- Providing wall clocks for some departments

### Non-financial Initiatives:

The college utilises the intellectual inputs of its alumni working in the academic or professional fields to enrich the curriculum and enhance the quality of curriculum implementation. The contribution of the Alumni is considerable in non-financial matters over the years. The following are some of the initiatives by the Alumni Association:

Act as liaison for Institute Industry initiatives

Utilize their knowledge, experience and potential for promoting the skills of the students in the college  
Guide the students in career related skills like interviews, Group Discussions and other employability skills  
Encourage and themselves participate in cultural and literary programmes.

Provide referral to the deserving in their companies for placement

Give insights into corporate work culture

### Future Plans

The Association plans to Create a corpus to encourage the deserving but underprivileged students Raise funds and themselves contribute to develop the sports, gymnasium facilities in the college

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>



#### 5.4.2 Alumni contribution during the last five years (INR in lakhs)

**Response:** B. 4 Lakhs - 5 Lakhs

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

NAAC

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

**Response:**

**Vision:**

To be a premier center of learning in Engineering and Management education that evolves the youth into dynamic professionals with a social commitment.

**Mission:**

- To provide quality teaching-learning practices in engineering and management education by imparting core instruction and state-of-the-art infrastructure.
- To engage the faculty and students in acquiring competency in emerging technologies and research activities through Industry Institute Interaction.
- To foster social commitment in learners by incorporating leadership skills and ethical values through value-based education.

**Quality Policy:**

The management is committed in assuring quality service to all its stakeholders like parents, students, alumni, employees, employers and the community. Continual quality improvement by establishing and implementing mechanisms and moralities. Transparency in procedures and access to information and actions.

***To strive for total quality management in order to have quality faculty and churn out quality students having powers in their technical / managerial domain with cultural values.***

**Effective leadership in tune with the Vision and Mission of the Institute:**

Engineering Education contributes in nation building in a positive manner. To accomplish such task effective leadership is paramount. In view of this the leadership of PBRVITS has acquired 12.72 acre of land, constructed infrastructure comprising of well-equipped classrooms, cafeteria, hostels, labs, library, auditorium, play areas and related infrastructure. Recruited dedicated, qualified staff to take forward its commitment and vision. PBRVITS leadership has formulated a hierarchical structure of organization and policies to meet the vision and mission of PBRVITS.

### Nature of Governance:

PBRVITS Governing body is top decision-making entity, which schedules meeting twice in a year, critical important decisions with respect to budgetary allocation and academic improvements are taken and the same is passed on to the member secretary of governing body, i.e. Director of PBRVITS. Further the Director summons the Deans and HODs of various departments to prepare the strategies for implementation of the decisions taken in the governing body meeting. The proceedings of the governing body meeting are reviewed periodically and required steps are undertaken for successful implementation of the same.

### Participation of the teachers in the decision-making Bodies:

PBRVITS believes teachers form the core group of decision implementation. Imperative, teachers from all cadres are part of every committee formed in line with requirements of higher education regulatory bodies like AICTE, UGC, NBA, NAAC and affiliating university. The Director, Deans and HODs, with help of faculty members review the progress achieved and problems faced by various committees. The management has always welcomed the views and suggestions expressed by the faculties in taking institution ahead. The presence of the faculty can be found in all the following committees.

- Academic Advisory Committee
- Staff Selection committee
- Anti Ragging & Disciplinary Committee
- Grievance Redressal Committee
- IQAC Committee
- R & D Committee
- Training & Placement Committee
- Sports Committee
- Library Committee
- ICC

Senior professors from departments are identified in line with their expertise and background to head these committees. The members are faculty of different cadres. Selected committees have students as members.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

#### Response:

Macro management level policy of PBRVITS is defined by the management and being percolated to different authorities which include, HODs, Exams, Admin & Account Sections as depicted in the

Organogram. Faculty members and other employees of PBRVITS adhere diligently all such management decisions. Two senior faculty members represent in the PBRVITS Governing Body, the appellate body in the Institute. Faculty members are part of Anti-ragging Committee, Research and Development Cell, Consultancy Cell, College Day celebration Committee, Technical Exhibition Committee, Examinations Committee, Sports day Committee, Cultural festival Committee, and many other committees that are constituted for the smooth conduction of various events.

All the new and revised policies to improve academic activities, methodology of conducting examinations are reviewed and discussed in HODs meeting before implementation.

For the effective and efficient implementation of its Policy, the management has promulgated the following practices which show the participation of faculty at various levels.

1. Adequate financial support to each department and programme for facilitating the academic achievements.
2. Recruitment of qualified staff as per AICTE guidelines.
3. Motivation, guidance, appreciation, incentives and moral support to all the stakeholders.
4. Involvement in academic events organised by Institute.
5. Developing effective mechanism for monitoring the activities.
6. Arranging periodical meetings for interactions with teaching and non-teaching staff.
7. All the p

### **Case Study:**

PBRVITS has various practices which highlight the decentralization and participative management. Out of all such practices, one such practice is conduction of courses other than curriculum, as explained below:

Every department has a privilege to identify the grey areas in their respective domain and select few thrust areas to offer the students as special training. In this regard Department of Mechanical Engineering has identified that students should be trained in the field of Design software as there is lot of demand in the market. Two faculty members with the similar background were nominated to coordinate the program.

The program was designed by the faculty with zero involvement from the management such that the students are trained in at-least one software per semester, subsequently the students get trained in at-least four software by the time he/she completes the degree.

The provision is made for part payment of fee semester wise instead paying as a lump-sum. Similarly, all the departments in the college has started such courses which are outside curriculum, highlighting the decentralization and participative management. Additionally, following points further strengthen the decentralization process HOD had been provided full flexibility to allocate the subjects in their respective departments without any intervention from the management. Further drill down even in the department the time table coordinator is provided full freedom to design the time table based on the convenience of the

faculty.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic / Perspective plan is effectively deployed

**Response:**

S.NO	YEAR	INSTITUTIONAL STRATEGIC GOALS	
1	2015-16	Interaction and Innovation Cell	
2	2016-17	1 Establishment of JNTUA R & D center 2 Promotion of R & D	
3	2017-18	1 JNTUA permanent affiliation	
4	2018-19	1 AUTONOMOUS	
5	2019-20	1 ISO CERTIFICATION 2 NAAC CYCLE 2 3 NBA	

The perspective/strategic plan is made by institution to fulfill requirements of industry and society by providing quality education to produce technically competent Engineers and Managers to serve the nation. Students progression towards technical and social excellence is achieved with well established infrastructure.

#### Successfully Implemented:

1 To promote the research activities among staff and students we established Interaction and Innovation Cell in the year 2015-16.

2 During the academic year 2016-2017 infrastructure was developed as per the requirement of JNTUA and then application was submitted for R & D center JNTUA, Anantapur. JNTUA granted R & D center on 23.11.2016.

3 In the academic year 2017-2018 infrastructure was developed as per the requirement of JNTUA and then application was submitted for Permanent Affiliation to JNTUA, Anantapur and JNTUA

granted permanent affiliation from 2017 to 2022.

4 In the academic year 2018-2019 we have applied for Autonomous status to UGC. inspection yet to be conduct.

5 In the academic year 2019-2020 we have applied for ISO certification and we got ISO certification from KVQA CERTIFICATION SERVICES PVT. LTD.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

### Response:

PBR VISVODAYA INSTITUTE OF TECHNOLOGY AND SCIENCE, KAVALI has a well established organizational structure to execute smooth functioning of administrative and academic areas. Various bodies are formulated which constitute the organizational chart. Governing body is the highest decision making body constituting members from the management, Principal of the college, nominated faculty members, members from AICTE, JNTUA, State Government and other nominees from Educational and Industrial sectors.

The Governing body approves the various academic and administrative activities of the college.

Principal, Heads of the Departments, sectional heads and co-coordinators of various committees have adequate participation in making decisions in academic and administrative functions under their purview. The organization has various departments based on specializations like CSE, EEE, ECE, MEC administration, Library, Physical education etc which are headed by respective HODs. In addition the organization has various domains common to the whole institution such as R & D, training and placement etc which is headed by professor in-charges. Department wise domains are looked after by the faculty in-charges of the respective departments.

Administrative Officer assists the Principal in the day to day administration of the college and looks after Accounts, purchases, budgeting, stores, personal affairs and admissions. For the academic and administrative convenience and to assist the Principal, HODs and AO, various cells and committees are constituted. The details of various cells and committees are provided in the attachment.

The organogram of the institution is provided as attachment in the additional information. College has a clearly defined HR policy which includes service rules, procedures, recruitment and promotional policy. This policy applies to all employees working in the institution irrespective of their cadre. This policy is subject to change as when necessary with prior approval of Governing Body. To maintain the harmony and satisfactory levels of all the stake holders, the institution has an effective Grievance redressal mechanism

constituted for students, staff and women. The details of these committees are provided as an attachment in additional information.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Response:** B. 3 of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

**Response:**

the following welfare measures done by the institution

**Teaching:**

**Provident Fund:** The teaching staff of the institution is covered under EPF Scheme. It is dependent on the year of the appointment.

**Medical Health Insurance:** The institute provides star Health Insurance to the staff members and their families.

**Career Advancement Schemes:** The institute allows faculties to go for higher studies and short term courses.

**Faculty Improvement Schemes and Faculty Development Programs:** The institute organizes Faculty Development Programs on frequent basis. Institute gives paid leave and Sponsors

**Transportation facility:** Institute provides free transportation facility for the staff members.

**Research funds seed money:** The faculties of the college are provided with the seed money by the college for research projects of the faculties.

**Employee wards fee concessions:** The college provides concessions / free ships to wards of the employees.

**Non-teaching:**

**Provident Fund:** The non teaching staff of the institution is covered under EPF Scheme. It is dependent on the year of the appointment.

**Medical Health Insurance:** The institute provides ESI to the staff members and their families.  
Transportation facility: Institute provides free transportation facility for the staff members.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

**Response:** 36.6

#### 6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
77	63	75	87	68

File Description	Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	<a href="#">View Document</a>

### 6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

**Response:** 5

#### 6.3.3.1 Total number of professional development /administrative training Programmes organized



**by the institution for teaching and non teaching staff year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
4	5	5	6	5

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	<a href="#">View Document</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	<a href="#">View Document</a>

**6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).**

**Response:** 27.82

**6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
87	59	52	43	24

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View Document</a>
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development programmes during the last five years	<a href="#">View Document</a>

**6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff**

**Response:**

PBR VISVODAYA INSTITUTE OF TECHNOLOGY AND SCIENCE, KAVALI has a well defined method for performance appraisal system for Teaching and Non-Teaching staff to recognize developing leadership abilities assess the capabilities, competencies and to identify the training needs. Each employee's performance is assessed after completion of every year of service. To assess the performance of Teaching and Non-Teaching staff through performance appraisal system there are different parameters.

Every Faculty Member appointed in the college is assessed for his or her performance based on the following:

score included in the proforma. API scores as certified and verified in the proforma are the prime means of assessing a Faculty member for the purpose under Career Advancement and in granting Incentives. The proforma filled by the Faculty Member is checked and verified by HOD at primary level, the Head of the institution at next level, HR at the final level. Recommendations are prepared on the basis of rating and grading derived from the API score.

**The faculty appraisal system for teaching staff has four components:**

**Teaching and Learning (50 Points)**

The parameters included are teacher as a persona and teacher as a performer viz. course delivery, question paper setting and evaluation, classroom lectures, seminars, tutorials, , use of innovative teaching methods, course materials, ICT, Labs, student feedback and pass percentage etc.

**Professional up radiation and Institutional Service (25)**

(a) Contribution to co curricular activities including NSS, NCC etc.

(b) Professional contribution to academics, contribution to short term training courses, contribution to University administrative bodies such as Academic council, R&D council Planning & Development committee etc.

**Research Activates (15 Points)**

These are based on the number of publications in UGC Care, Scopus indexed, SCI journals, book publication, participations in conferences, sponsored projects, consultancy, Research supervision, awards & honors, fellowship titles, post doctoral/ degrees etc.

**General (10 Points)**

HOD's has to assessment, which assesses the attitudinal/ behavioral / professional aspects of the faculty concerned.

**Non – Teaching staff:**

Self - appraisal of Non – Teaching staff comprises two components.

The first component is based on technical contribution of individuals such as subject knowledge, awareness, productivity, quality, innovation, willingness to learn, diligence etc.

The second component assesses the behavioral aspects like group behavior, punctuality, Quality of work, Regularity, Professional achievements, Workshops, seminars etc attended by the employees.

On the basis of the above details, a committee under the chairmanship of the Principal will evaluate the appraisals of the non-teaching staff and submits its recommendations to HR for final decisions. It helps to analyze the strength and weakness of the employees of the institution. The systematic procedure helps the Management to motivate the employees for better performance, to provide training in the areas where the faculty needs improvement.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institution conducts internal and external financial audits regularly

#### Response:

Response:

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted every month by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report of internal audit is submitted to the management of the institution through principal. External audit is conducted once in every year by an external agency.

The mechanisms used to monitor effective and efficient use of financial resources are as below:

- Before the commencement of every financial year, principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management.
- ? College budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non – recurring expenses like lab equipment purchases, furniture and other development expenses.
- The expenses will be monitored by the accounts department as per the budget allocated by the management. ? The depreciation costs of various things purchased in the preceding years are also worked out.

Process of the internal audit:

All vouchers are audited by an internal financial committee on monthly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the principal. The same process is being followed for the fifteen years.

Process of the external audit:

The accounts of the college are audited by chartered accountant regularly as per the government rules. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. Any queries, in the process of audit would be attended immediately along with the supporting documents within the prescribed time limits.

The institution did not come across with any major audit objection during the preceding years. All these mechanisms exhibit the transparency being maintained in financial matters and adherence to financial discipline to avoid defalcation of funds or properties of the institution at all levels. The audited statement is duly signed by the authorities of the management and chartered accountant.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

#### 6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	<a href="#">View Document</a>

#### 6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Mobilisation

## **Fees Collections**

Students are admitted as per the APSCHE norms by admitting 70% of students through AP-EAMCET Counseling and 30% through Management Quota.

College Fee is fixed by AFRC committee.

## **Term Loan and Hire Purchase Loans**

Institute is getting Term and purchase loans from Banks with reduced rate of interest by

maintaining the liquidity, Debt Equity Ratios which are sound and the Loans are availed through the Educational Trust in the name VISVODAYA.

## **Government Grants and Sponsorship Receipts**

Institute is getting Grants from various Government Bodies i.e. AICTE, UGC, DST. the grants are judiciously utilized to meet the recurring and non recurring cost.

## **Non Government Bodies and Sponsorship Receipts**

Donations are received from well wishers (alumni and others), industries, individuals and philanthropists for institutional activities.

## **Corpus Donation of Trust and Trust Contribution**

The College is functioning under the Educational Trust in the name of VISVODAYA, visvodaya campus, udayagiri road, kavali-524201. The Trust gets corpus donations from well wishers, corporates and philanthropists.

## **Optimal Utilisation**

### **Recurring Expenses**

Salary to staff, academic activities and payment of bank interest are done with fees collection.

### **Infrastructural development facilities and Building construction works**

Management allocates budget to create and upgrade the infrastructural facilities in tune with the modern trends and for construction works. Bank loans and corpus donations received from well wishers and philanthropist are judiciously utilized for the same.

The institute gets grants from AICTE/FIST/Self for purchase of modern lab equipments, purchase of latest version software and others. The grants are utilized.

College purchases new vehicles as per student strength, through hire purchase loans from banks and loans are repaid with reduced rates of interest from the reasonable transport charges.

## Research and project activities

Knowledge is generated and applied in new innovations and technologies which in turn shall be utilized to enhance the quality of socio-economic and environmental conditions of society. The institute is committed to provide excellence in research. The institute has executed many major Research and Development projects. Donations from government and non government bodies, institutions, industries, firms, well wishers and philanthropists are used for R&D.

## Seminars, Conferences and Faculty Development Programmes and other co-curricular activities

The institute conducts the above said regularly and religiously matching with the latest technology, innovations, research, changes and needs for the society.

## Extra curricular activities

Modern sports complex has been created to provide ample opportunities to conduct sports and enable student participation.

## Green Atmosphere

Enough care is taken to maintain green and cleanliness in the campus which coexists with godliness and fund is judiciously utilized.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

#### Response:

The Internal Quality Assurance Cell (IQAC) of PBRVITS continuously monitors the quality practices and ensures all the institutional academic policies are thoroughly followed as prescribed by the apex bodies. The prime responsibility of IQAC is to initiate, plan and supervise various activities that are obligatory to increase the quality of the education imparted in the college. The IQAC strategically ensures the quality of teaching-learning practices through stringent initiatives and measures taken such as faculty self-appraisal, faculty development programs, workshops, conferences, training programs for non-teaching staff, setting quality benchmarks, key performance indicators, and Academic and Administrative Audit. Thus the IQAC monitors the continuous quality improvement of the academic processes.

Lesson Plans are prepared by the concerned teachers prior to the beginning of the semester. Lecture

material is prepared and is given to the students as reading material and LCDs are used in all the class rooms for teaching. The faculties are using web resources such as Google Class Rooms effectively to upload course materials and to conduct online quizzes etc. The Head of the Department periodically monitors teacher's dairy, lesson plans and suggests corrective measures if needed. Results analysis and CO-PO attainments are carried out at the end of semester and scope for further improvements are discussed. Student feedback is taken at the end of each course for better performance in teaching-learning process. Institution collects exit feedback from students regarding the overall satisfaction during their stay in the institution and the following are the measures adopted for improvement of skills needed for employability/entrepreneurship. Students are encouraged to participate in competitive examinations like GATE and coaching is given for the interested Students. The students are encouraged to make use of available services like Games and Sports, Healthcare, Computing, Internet facilities, NSS, NCC etc.

The quality initiatives by IQAC for promoting quality culture during the last 5 years are as follows:

- To review the students evaluation process in terms of Internal Evaluation, Attendance, Mid examinations, Assignments, Seminars for students
- To organize student meets and in turn enable them to realize their potentials
- To conduct soft skills classes and training programmes
- To Conduct of value added / career oriented programmes at departmental level.
- To motivate students to participate in co/extra-curricular activities
- To implement OBE system and initiation for NBA.
- To prepare Programme Educational Objectives, Program Outcomes and Course Outcomes for each Course in the respective Departments
- To conduct Academic Administrative Audit
- Usage of LCDs in all class rooms
- To conduct Course end survey and Graduate exit Survey
- To conduct faculty development programmes, workshops and conferences.
- To motivate the faculty towards Research activities by organizing Workshops and Conferences on Research Methodology and allied topics
- To increase the number of faculty publications
- To encourage the faculty to apply for Professional society memberships
- To participate in NAAC Accreditation process
- To prepare for ISO audit
- To apply for NBA accreditation
- To apply for Autonomous status

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the**

**incremental improvement in various activities ( For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives )**

**Response:**

The institution monitors and periodically reviews its teaching-learning processes and adopted methodologies/practices through various operations and expected outcomes. This process was monitored on continual basis by the Institutional Quality Assurance (IQAC). In addition, the IQAC also initiates necessary steps to measure the quality of education through regular and continuous follow-up actions.

The IQAC reviews academic progress by conducting annual academic audit and the following are the innovative processes adopted by the institution in Teaching and Learning:

The Programs offered by all the departments are working towards accreditation by NBA by reinforcing Outcome Based Education (OBE) system. The Continuous assessment of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) are done based on the results of internal and external examinations. The curriculum gaps for attaining the Program outcomes are identified and the events like Guest lectures, Seminars, Workshops are conducted for the attainment of Program Outcomes.

The Academic and Administrative Audit is conducted to enhance the quality of education, and to achieve continuous improvement in the Academics. The IQAC will review the Academic and Administrative Audit report and suggest the remedial actions. The assessment on student results, placements, projects, participation in co-curricular and extra-curricular activities will be reviewed by the IQAC. The Remedial classes are conducted for slow learners to increase the learning levels of the students. Personality and Career Development Programs are conducted to train the students in the fields of soft skills, communication skills, and intra-personal skills and prepare them to face interviews and get better placement. Students are motivated to participate in Co-curricular and Extra-curricular activities. Faculty members are motivated to participate in research activities and encouraged to publish the papers in reputed journals.

The following are the incremental improvements in quality made during the last five years

- Institution is obtained ISO certification in year 2020.
- OBE concept is implemented from 2017-18 academic year
- Use of ICT based learning
- Increase in academic performance of students



- Increased in number of placements
- Internal Academic Audit is initiated
- Increase in number of Internships
- Increase in number of MoUs
- All the faculty are encouraged to attend workshops/FDP/Refresher courses/NPTEL courses to update their knowledge
- Promoting research by organizing conferences and workshops for faculty
- Increase in the number of PhD holders.
- Increased in number of faculty publications

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 6.5.3 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
- 2.Collaborative quality initiatives with other institution(s)
- 3.Participation in NIRF
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

**Response:** B. 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste web link of Annual reports of Institution	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

##### Response:

##### 1. Safety and security:

- The institute takes utmost care for the safety and security of the women at campus. Full time security is placed at the entrance and any outsider comes to the campus has to make the entry of their details in the register.
- The hostel being in campus, is also a safety arrangements as the main entrance to hostel will be locked at a stipulated time
- The institute has deployed women security staff for the facilitation of the female employees and students .
- Girls' counselors are nominated from the lady faculty members from each department for the assistance of girl students and to encourage them to report the cases of sexual assault without fear.
- A feedback form has been prepared by the Women Cell to take feedback from girl students regarding their safety and security on the campus, to further improve the mechanism.
- All the girl students will be made aware about the guidelines and the safety measures by Members of Women Empowerment Cell.

##### 1. Counselling:

- The women Empowerment & grievance cell takes care of the needed counselling session for the women related issues on the campus like health , hygiene and any grievances etc. (Dr Nalini )
- Appointment of lady doctor in college campus to look after health issues of girl students.

##### 1. Common Rooms: the common rooms, rest rooms, and first aid rooms are made available for the girls students & women faculties on campus.

The institute has a women empowerment cell. In order to have effective functioning, one lady faculty member from every department is nominated as the department representative of the Women Empowerment Cell.

**List of regular activities organized by Women empowerment Cell**

- 1.Seminar on Gender Sensitization
- 2.Special Lecture on 'Women Empowerment: A legal perspective'.
- 3.Invited talk on Entrepreneurship.
- 4.International Women's day celebrations.
- 5.Workshop on Women Harassment Prevention.
- 6.Awareness programme on 'Self Employment'
- 7.Inter class debate competition on different social, political, economic women issues.
- 8.Awareness on the punishments for indulging in offences against women
- 9.Yoga Trainging Program
- 10.Awareness Program on SHE

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>

**7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures**

- 1.Solar energy
- 2.Biogas plant
- 3.Wheeling to the Grid
- 4.Sensor-based energy conservation
- 5.Use of LED bulbs/ power efficient equipment

**Response:** B. 3 of the above

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)**

- Solid waste management
- Liquid waste management

- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

**Response:**

**Solid waste management:**

At PBR Visvodaya Institute of Technology and Science practices the segregation of solid waste into dry waste and wet waste. Dustbins are placed separately for dry waste and wet waste in the campus. The collected waste is segregated at the source of generation. The dry waste consists of paper, plastic, dry leaves etc are collected regularly. Papers, Plastic and scrap are given to the external agencies for recycling.

The dry leaves, twigs etc are collected and decomposed in a pit which is used as manure for trees and plants.

The sanitary waste collected from washrooms is given to municipal waste collection area through trucks.

Various steps have been taken to restrict the generation of waste –

Bio degradable plates, steel plates are used instead of plastic plates; steel spoons replace the Plastic in canteen. Usage of plastic bags is discouraged in the premises of the college. Awareness programs on waste management are conducted for staff and students to promote eco – friendly practices. Spoons

### **Liquid waste management:**

The institute practices segregation of waste water into water from wash rooms and water from laboratories. This water is cleaned and the recycled water is diverted to the garden to maintain plants inside the campus.

### **E-waste management**

- The damaged computers and condemned batteries are disposed through outside agencies.
- Obsolete computers and other electronic gadgets are sold to recyclers.
- E-waste generated is given to the authorized dealers who purchase the scrap and reuse the

useful components. Apart from this, the electronic and electrical instruments under repair are given to the students during the lab sessions to dismantle and reassemble, which help in application oriented learning. The low configured computers are donated to nearest schools

### **Waste recycling system**

At PBR Visvodaya Institute of Technology and science has water recycling plant, which recycles the daily waste water from hostels and college.

**Hazardous Chemicals Management:** Acids, bases and organic liquids in chemistry are collected and maintained separately labs. On a regular basis these are neutralized, diluted and disposed in the wash basin. The cultures grown in the biotech lab are autoclaved and disposed.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>

#### 7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell / Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

**Response:** A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

**Response:** Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>
Any other relevant documents	<a href="#">View Document</a>

#### 7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. Green audit

2. Energy audit
3. Environment audit
4. Clean and green campus recognitions / awards
5. Beyond the campus environmental promotion activities

**Response:** A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Certification by the auditing agency	<a href="#">View Document</a>
Certificates of the awards received	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Disabled-friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for persons with disabilities ( Divyangjan) accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

**Response:** B. 3 of the above

File Description	Document
Any other relevant information	<a href="#">View Document</a>

#### 7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

**Response:**

The institute organizes various events to inculcate the values like tolerance & harmony towards *cultural, regional, linguistic, communal socioeconomic and other diversities*.

1. Cultural Events: various themes in cultural events like “unity in diversity” in fashion show, dance and dramas is organized.
2. Speech & debate competitions: these competitions are organized by the staff to increase the communications skills and also talk & sensitize other students on various cultures followed in India.
3. Celebrations: the institute celebrates various festivals to create awareness among the students about

the cultures and traditions behind the festivals.

4. Extension activities: the institute organizes various rallies, and road shows so that students communicate to the public and understand their problems.

Add list of activities organized:

- Orientation Programme
- Induction Programme
- Fresher's Day
- Annual Day
- Class Farewell Programs
- Women's Day
- Teachers' Day
- Engineers Day
- National Science Day
- Republic Day
- Independence Day
- Makara sankranthi
- Sankranthi festivities and so on.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>

#### 7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

##### Response:

The institute organizes the following constitutional awareness programme for the students of the institute:

1. **Syllabus:** Also, as a part of the syllabus all the first and second year students have a subject on Human values and professional values, Universal Human Values.
2. **Dr. B R Ambedkar Jayanthi:** The constitutional day is also observed as a part of Dr. B R Ambedkar Jayanthi. On the same day the students will take part in giving a debate, speech and other kind of oratory sessions on the constitution and its various amendments and also roles and responsibilities of the citizens of India.
3. **National Youth day:** The institute also organizes the national youth programme in the month of January to inculcate the ideas on youth as the power of the country. The same day students quiz, speech and debate competitions are organized by the institute so that students to talk on the topics like, rights of an adult, rights and duties of citizens, youth as strength of India. Etc.
4. **Republic day:** the institute celebrates republic day and organizes various oratory events for



students

5. **Independence Day:** the institute observes the Independence Day every year and hoists the national flag and also organizes speech competitions for the students on the “meaning of freedom, favorite freedom fighter, lessons from the freedom fighters. Etc.
6. **Gandhi Jayanthi:** the institute organizes the Gandhi Jayanthi every year, and also organizes the oratory competitions for the students of the institutions

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	<a href="#">View Document</a>

**7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.**

1. The Code of Conduct is displayed on the website
2. There is a committee to monitor adherence to the Code of Conduct
3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

**Response:** A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>

**7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).**

**Response:**

The institute organizes the following constitutional awareness programme for the students of the institute:

1. Syllabus: Also, as a part of the syllabus all the first and second year students have a subject on Human values and professional values, Universal Human Values.
2. Dr. B R Ambedkar Jayanthi: The constitutional day is also observed as a part of Dr. B R Ambedkar Jayanthi. On the same day the students will take part in giving a debate, speech and other kind of oratory sessions on the constitution and its various amendments and also roles and responsibilities of the citizens of India.

3. National Youth day: The institute also organizes the national youth programme in the month of January to inculcate the ideas on youth as the power of the country. The same day students quiz, speech and debate competitions are organized by the institute so that students to talk on the topics like, rights of an adult., rights and duties of citizens, youth as strength of India. Etc.
4. Republic day: the institute celebrates republic day and organizes various oratory events for students
5. Independence Day: the institute observes the Independence Day every year and hoists the national flag and also organizes speech competitions for the students on the “meaning of freedom, favorite freedom fighter, lessons from the freedom fighters. Etc.
6. Gandhi Jayanthi: the institute organizes the Gandhi Jayanthi every year, and also organizes the oratory competitions for the students of the institutions

File Description	Document
Link for Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>

## 7.2 Best Practices

**7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.**

**Response:**

### **BEST PRACTICE – 1**

**Title of the Practice: Personality and Career Development Program (PCDP – Soft Skills Training)**

**Objectives of the Practice:**

- To enhance employability of the student and prepare him/her to face competitive environment.
- To train the students in the fields of soft skills, communication skills, intrapersonal skills and prepare them to face interviews and get better placement.
- Involve the eligible students to understand the importance of career building, industrial jobs and entrepreneurship.

**The Context:**

Unlike hard skills, which can be proven and measured, soft skills are intangible and difficult to quantify. Some examples of soft skills include analytical thinking, verbal and written communication, and leadership. Research from the Society for Human Resource Management found that technical abilities like reading comprehension and mathematics aren't prized as much as soft skills, meaning you have to bring more to the table than, say, great sales numbers, coding languages, or test scores.

One reason soft skills are so revered is that they help facilitate human connections. Soft skills are key to building relationships, gaining visibility, and creating more opportunities for advancement. Trying to find a job as a graduate can be tough, but developing a bank of soft skills is one way to boost your employability. Soft skills are personal qualities that allow an individual to interact with others and effectively contribute to a business. They are highly advantageous when it comes to working within an organization and are an ideal way for graduates to highlight their value when they are lacking the relevant experience.

Basically, you can be the best at what you do, but if your soft skills aren't cutting it, you're limiting your chances of career success. Hence, it is necessary for the students to know the latest developments happening and work culture adopted in the industry. This helps to bridge the gap Industry and academia.

### **The practice:**

The Institute being located in rural area, has students with different educational and cultural background. Personality and Career Development Program (PCDP) is for all 3rd year Engineering graduates and is designed by the in-house soft skills training team, considering the needs of the students required to fulfill the demands of corporate world. The program is designed, to enables students to develop different soft skills like Communication Skills (Speaking, Reading and Writing), Leadership, Team Work, Time Management etc. In addition, activities like role plays, group discussions, mock interviews etc. are also conducted for students in order to give them first-hand experience on recruitment techniques used by various renowned companies for recruitment purpose. Special remedial classes are also conducted on Spoken English and the basic math for the students who completed their schooling in the regional medium (Telugu).

We do not believe in learning only within the four walls of a classroom. Personality development is the skill which cannot be acquired just by learning in the class but more exposure to practical learning.

The following activities are regularly conducted to help students build their personality and thereby hone their inherent potentials.

**Communication Activities:** Both written and verbal communication skills are of utmost importance in the workplace because they set the tone for how people perceive you. They also improve your chances of building relationships with co-workers. Communication skills boost your performance because they help you to extract clear expectations from your manager so that you can deliver excellent work. Employees are more productive when they know how to communicate with their peers. If you can clearly express the who, what, when, where, why, and how of a project, you'll be a hot ticket.

In this context, students are given opportunities to participate in stage presentations, interactive sessions, role plays and object description activities. One way to elicit enthusiasm among the students is to involve them in events which are both interactive and entertaining like playing small skits on some simple themes. These activities are a raging hit with the participants as they stimulate both their intellectual and physical stamina.

**Team Work ( Group Activities):** A company's success is rarely dependent on one person doing something all by him/herself. Success is the result of many people working toward a common goal. When employees can synthesize their varied talents, everyone wins. So employers look to team players to help build a friendly office culture, which helps retain employees and, in turn attracts top talent. Furthermore, being able to collaborate well with your co-workers strengthens the quality of your work.

In this regard, group activities like Group Discussions and Team Building Games are conducted to help students gain command on how to be an effective and contributing member of the team. Students are given responsibilities of organizing several events like fresher's day, seminars, conferences and annual day celebrations.

**Mock Interviews:** The purpose of a mock interview is to provide students with an opportunity to practice interviewing skills in an environment similar to an actual interview. A mock interview is a great opportunity to become familiar with interview questions and interview etiquette. Interview apprehension or even anxiety can be very uncomfortable for the interviewee. Two of the best defenses to counter the stresses associated with interviews are preparation and practice. A mock interview provides the interviewee both an opportunity to practice and prepare for an interview.

The in-house campus recruitment training team does exactly this. Students are thoroughly trained on Resume preparation, Dressing for success, grooming, interpersonal skills, attitude and confidence building through mock interviews. It is ensured that every student appears for a couple of mock interviews before they appear for the real interviews during the campus recruitment season. These mock interviews enable the students to showcase their best potentials during the process.

#### **Evidence of Success:**

- Output is assessed through scrutiny of results, placement records and student's feedback
- Improved communication skills and confidence among the students

- Student performance in On Campus and Off Campus placement has been enhanced,
- Student performance in technical skill and HR interview has been improved
- Participation of students has increased.
- Improving students' entrepreneurship skills.
- Association with industries has increased
- Many companies are our placement partners as of date,
- Students interaction in English with the faculty has improved
- Our Students performance is highly appreciated by the students and the teachers of other colleges when our students go for paper presentations and conferences

#### **Problems Encountered:**

- English communication and writing ability of the students from rural areas.
- Adjusting the trainings and workshops in regular schedule
- Financial problem for arranging workshops and training programs.

#### **Resources required:**

- Management support: Without Management's involvement and support, the best practices cannot be implemented
- For success of such practices require attitude and willingness on the part of the facilitator without which it is difficult to motivate students which is the target audience of the Institute
- Degree of motivation required in the minds of the students can result in success of such practices

## **Best Practice – II**

### **1. Title of the Practice: Proctoring / Mentoring System**

### **2. Objective:**

To achieve the vision of the institution viz., to develop all round personality of the students on progressive lines.

To provide a continuous learning process for both the mentor and the mentee. · To establish the mentor as a role model and to support the mentee for personal and academic development. · To establish a vibrant relationship between the teachers and the students that will ensure responsible behaviour and discipline.

### **3. The context:**

The nature of students' background i.e. catering to different socio-cultural and economic diversity necessitates mentoring being opted as one of the best practices by the institution. The absence of institutionalized system of having proper system of mentoring, guidance and counseling in the region along with the obvious fact that most of the students are from remote areas and first generation learners makes it imperative on the part of the institution to provide mentoring i.e. guidance for all-round development of the students on academic as well as aesthetic lines. Moreover, it is aimed to align with the institutional mission and vision statement aiming to develop students on progressive lines i.e. to imbibe in the students a rational positive outlook towards life thereby making them responsible citizens.

#### 4. The Practice:

- Mentoring session is conducted every Saturday from 3:00 PM to 4:30 PM on a regular basis. The session is compulsory for every students to attend without fail.
- Mentors are assigned 15-20 students for the whole duration of a semester each .i.e. six months.
- The mentoring parameters are based on four aspects i.e. academic, attendance, career and general.
- The mentors are provided with details of mentee's performances in terms of academic (weekly test, class test, mid-term and end-semester exam) and attendance records. The mentor also keeps track of the mentee's personal development such as co-curricular activities, discipline and career related issues.
- The mode of communication between the mentor and mentee can be established through different mode(s) namely- In-person, Phone and E-mail.
- The practice of the mentoring system is evaluated by the Principal, Dean, Vice-Principals (Academic and Administration) bi-monthly so as to ensure quality and efficiency in practice.
- The grievances of the mentees are taken up by the mentor and if necessary it is forwarded to the Principal for necessary remedial actions.

#### 5. Evidence of Success:

Improvement in mentees discipline, interaction and communication skills. improvement in students' attendance. Establishment of a vibrant relationship between teachers and students which has provided a congenial atmosphere in the class room as well as in the campus.

#### 6. Problems encountered and resources required:

The diversity in students' background and upbringing i.e. lack in the art of effective articulation on introversion, indifferent attitude etc.

Inadequacy in general guidance, career and professional related materials. This is due to the financial constraints faced by the management because the institution is dependent on grants.

File Description	Document
Link for Best practices in the Institutional web site	<a href="#">View Document</a>

### 7.3 Institutional Distinctiveness

**7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

Response:

### 7.3 Institutional Distinctiveness

Response:

- Providing a technical platform to transform rural youth to qualitative technocrats.

Institute constantly practices innovative and interactive learning processes through quality and well recognized programs for overall development of students to impart high quality education. **PBR Visvodaya Institute of Technology and Science** is a well known Institute in the coastal region of Andhra Pradesh and is affiliated to Jawaharlal Nehru Technological University, Ananthapuramu. The Institute is well committed to the overall development of students irrespective of their origin, caste, culture or family background. Institute treats everyone equally when it comes to discipline and career development.

#### Vision

To be a center of learning in Engineering and Management education with social commitment.

#### Mission

- Impart quality teaching-learning practices in engineering and management education
- Involve the faculty and students in acquiring current developments.
- Inculcate innovative ideas and implement research activities in multi-disciplinary areas with social commitment.

Institute is always committed to provide *quality engineering and management education to both the rural and urban area students in order to make them responsible citizens as well as managers*. Many students are clueless or confused at the time of taking admission in the Institute, but every member of Institute is well equipped with this unique skill to make him or her understand that discipline is a *regular practice here in order to achieve career goal*. The overall journey of a student can be well explained from the first day when he or she starts attending the Induction activities in the Institute. Various activities during the events as well as in the classrooms surely *boost the confidence level of students* even if he or she is from rural or non-English medium background. The beauty of these uniquely designed co-curricular activities energizes students to *express openly* or participate in any topic. This kind of learning helps students to *improve communication, ethical behavior and positive attitude*. There are many workshops, seminars, events, competitions during the academic years for which students are always encouraged to participate. The achievements at various levels prove it well. Institute always focus on providing the best library environment to the students by arranging competitions like Elocution or Best User award to impart the importance of reading among all. Students are provided with internet and wifi facility, latest national, international newspapers and journals to keep their knowledge abreast. Mentoring system ensures that every student is monitored personally by a distinct Parent Teacher assigned to their class who looks after their academic as well as personal issues and addresses them in the best possible way.

#### Benefits of having a class teacher to the class:

- Provide relevance to their program of studies



- Assist students to be better equipped to have control over their futures.
- Promote amongst students a better evaluation of relevant careers and subjects pursued.
- Greater understanding about the field or industry of their interest
- Enhancement of skills
- Greater confidence and self-esteem
- Seamless Transition from academics to real work life

### Placement or Job oriented attitude in students:

Internal Training and Placement Cell makes students confident enough to face any questions in the interview by the human resource panel. Special lectures on **soft skills, technical aptitude** are arranged for students to make them **industry ready**. Along with this professional assistance in the **Resume making and group discussion, aptitude preparation** is regularly arranged in the Institute where top coaching firms are invited in Institute to train students through classroom sessions. For giving practical knowledge about the industrial sector Institute arranges regular **industrial study tours, internships from top associations**. Students are kept in touch through the umbrella of **alumni association** where the achievements of various alumni are celebrated. They share their success stories through electronic mediums like email, Whatsapp, SMS etc. to be an unending part of Institute's family.

**Communication and Soft Skills** trainers conduct training sessions along with the regular workload to improve **soft skills like English communication and presentation skills of students**. Faculty members in Institute have to follow certain norms in the form of API and maintain the annual faculty diary. This gives them a clear idea on the syllabus planning as well as yearly activities to be conducted for the academic as well as for extra co-curricular events. API is conducted regularly and honest feedback is given to the faculty members to improve on their weak points to deliver in the best way for overall development of students. Institute has a distinct process of carrying out the result analysis for every subject when the university declares the result of semester exams online. This process of comparing the results with the other institutes makes it easy to compare the marks of toppers and the result percentage of each subject also across the university.

The growing charts of placement of Institute in the multinational companies also show its efforts towards giving maximum job opportunities to students. Through **rigorous planning and management, Institute focuses at delivering the best of its abilities as per the defined vision**. It is a matter of utmost importance to provide the best education possible to students who deserve it. Through several practices, Institute tries to make this journey as easy as possible for all students. Institute aims at creating a breeding ground for the students to grow and achieve success. The student's overall personality development is the most supreme and urgent task of the management.

File Description	Document
Link for appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

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### Additional Information :

PBRVITS distinguish itself from peer institutions by offering a student centred education to diverse students, value inculcation through co-curricular and extracurricular activities. The dedication, commitment and loyalty of the staff, along with the enthusiasm and achievements of the students over the years have contributed largely to bring our institute to its present position.

PBRVITS is a leading institute recognized in J N T U Anantapur region for excellence in academic programs, prime infrastructure, disciplinary environment and service to the society. It is one of the reputed institute among the affiliated institutes in Andhra Pradesh state. Institute is taking dedicated efforts to move to vision.

We invite experts of NAAC accreditation process to have insight of our institute and we would like to keep our self aligned with vision an mission we aspire to achieve.

This report has been prepared following the guidelines of NAAC. It is an endeavour, which persuades us to ermine our strengths, assess our weakness, accumulate offered in higher education and prepare the challenges that are at the forefront.

### Concluding Remarks :

#### Institutional Distinctiveness

- **Students grooming from rural to global level through Techno Cultural Events**

Since its inception in 1998, institute has established itself as an unsurpassed institute in the whole South Andhra Pradesh region. Curriculum offered is an absolute blend of academic and applied knowledge which allows the students from any discipline to develop the skills and knowledge relevant to their own career paths. Apart from regular under graduation courses the college offers add-on and certificate courses to facilitate the all round development of students.

The Governing Body of the institute works in close cooperation with the Principal and faculty members and different committee to regulate and maintain an amicable and scholastic environment. IQAC is a vibrant body which works keeps quality as main concern and deals with issues pertaining to the functioning of the Institute.

I express my deep sense of gratitude to the Management of PBRVITS for providing strong support in all the endeavours of Institute. I am thankful to my team for their contentious help in the development of the institute.

I am very much delighted to submit the Self Study Report (SSR) of PBRVITS, Kavali for the II cycle of accreditation by the National Assessment and Accreditation Council (NAAC) Bangalore.

We look forward for the visit of peer team of NAAC , Bangalore.

NAAC