



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution		B.V. RAJU INSTITUTE OF TECHNOLOGY
• Name of the Head of the institution	Dr. Lakshmi Prasad	
• Designation	Principal	
• Does the institution function from its own campus?	Yes	
• Phone No. of the Principal	08458222000	
• Alternate phone No.	7337411184	
• Mobile No. (Principal)	7337411184	
• Registered e-mail ID (Principal)	principal@bvrit.ac.in	
• Address	Vishnupur, Narsapur, Medak Dist.	
• City/Town	Narsapur, Medak Dist	
• State/UT	Telangana	
• Pin Code	502313	
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)	20/01/2014	
• Type of Institution	Co-education	
• Location	Rural	

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr. K.V.N. Srinivasa Rao				
• Phone No.	08458222000				
• Mobile No:	9398137808				
• IQAC e-mail ID	srinivasarao.kvn@bvrit.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.bvrit.ac.in/discover/internal-quality-assurance-cell				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.bvrit.ac.in/study/academic-calendars				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.72	2011	16/09/2011	15/09/2016
Cycle 2	A	3.29	2017	19/07/2017	18/07/2022
6.Date of Establishment of IQAC			03/03/2011		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
DST - FIST	FIST	DST	21/11/2014	50lakhs	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
9.No. of IQAC meetings held during the year	02				

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
Seminar on preparation for NBA Accreditation for the tier 1		
Conducted workshop on Hybrid classrooms and engagement		
Conducted workshop on Learning Assessment and Feedback		
Conducted workshop on Information Gathering Techniques for Pen Tests		
Awareness Programme on NAAC Accreditation		
12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		
Plan of Action	Achievements/Outcomes	
Preparedness on NBA Inspection	Seven departments are completed the documentation as per NBA format	
Placement and Higher Studies Training for Students	Career oriented Placements Higher Studies training for final year students	
New Academic block for CSE and IT	The construction of new block is initiated	
13. Was the AQAR placed before the statutory body?	Yes	
<ul style="list-style-type: none"> Name of the statutory body 		

Name of the statutory body	Date of meeting(s)
Governing Body Meeting	01/01/2021
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
28/02/2021	28/02/2022
Extended Profile	
1. Programme	
1.1 Number of programmes offered during the year:	20
File Description	Documents
Institutional Data in Prescribed Format	View File
2. Student	
2.1 Total number of students during the year:	5260
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	1380
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	5260

File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	969
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	331
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	39
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	527
4.2 Total number of Classrooms and Seminar halls	90
4.3 Total number of computers on campus for academic purposes	1949
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	331.43 Lakhs
Part B	
CURRICULAR ASPECTS	

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum for each department is designed by considering the technological needs of the industry and the gap between the Industry & Academia. The curriculum is well crafted with the inputs from the stakeholders (Industry, Alumni, Students, Parents, and Employers) and University representatives (BOS members). In the Academic Year 2015-16, the UGC Scheme of Choice Based Credit System (CBCS) was followed, and R15 CBCS Curriculum was designed. In R15 Curriculum, the students were given the option to opt for interdisciplinary courses (Open Electives) and generic courses (Generic Electives). As per the instructions from the affiliated University (JNTU Hyderabad), the Gender Sensitization course was also introduced as a value-added Course (Mandatory Course). The students were awarded B.Tech Degree after obtaining 192 out of 192 credits and securing a minimum CGPA of 5.0. The students who failed to fulfill the academic requirements for the award of the degree within eight academic years from the year of admission shall forfeit their seats in B.Tech. Program. R15 Curriculum was followed in the academic years 2015-16, 2016-17, and 2017-18.

In the Academic Year 2018-19, R18 CBCS Curriculum was designed considering inputs from the AICTE model curriculum and the UGC Scheme of Choice Based Credit System. R18 Curriculum has been following for the academic years 2018-19 and 2019-20. In R18 Curriculum, a student will be awarded a B.Tech Degree after obtaining 160 out of 160 credits and securing a minimum CGPA of 5.0. The students who fail to satisfy all the academic requirements for the award of the degree within eight academic years from the year of admission shall forfeit their seats in B.Tech. Program.

In Academic Year 2020-21, revised the curriculum in view of the change of needs of industry and more flexibility to students to focus on employability towards software industry. The salient features of the R-20 CBCS curriculum are

- More number of Open Elective courses to cater to the multi-disciplinary expertise
- Open Electives/ Professional Electives courses offered through MOOCs up to 20% of total credits
- Introduction of "Computational Thinking and Problem Solving" course for all the students in I Year I Semester

- Introduction of "Python Programming" including laboratory course for all the students in I Year II Semester
- Introduction of "Introduction to AI" course for all the students during II Year
- Introduction of "Fundamentals of Design Thinking" course for all the students during III Year
- Summer Internship made mandatory for all students during summer (After III Year II Semester) for a duration up to 6 weeks with 2 credits

The revised curriculum leads to meets the Course outcomes, Program Outcomes, and Program Specific outcomes of the respective programme.

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	Nil

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

17

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

70

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

70

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

20

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

In order for a person to serve their community, state, and country, they must have access to high-quality education programmes.

Education that is centered on quality thus has the potential to enhance both the individual and the organization's progress. Students will be taught the life skills they need for success through BVRIT's unique approach to education.

INTEREST IN HUMANITY

Our essential principles for success—our framework for what is acceptable—are defined by our values. The characters that determine one's identity, values, and beliefs all influence one's actions. Ethics, integrity, a peaceful life; respect for others; truthfulness and trustworthiness; caring, kindness; courage; sharing; time management; self-confidence; commitment; spirituality; service-learning a teaching method that incorporates community-based learning with academic instruction as it focuses on critical reflective thinking and civic responsibility; and spirituality.

ETHICS IN THE WORKPLACE

Ethics is the study of moral principles in relation to moral issues. For engineers, this means that they have a moral and a social obligation to take care of themselves, their coworkers, and the larger community they live in. Professional ethics refers to the rules and guidelines that professionals adhere to. Teaching, medicine, and law all have their own set of professional ethics. Engineering ethics refers to the collection of ethical norms that apply to the engineering profession. Engineering ethics is all about balancing prices, timelines, and risks in the real world of engineering. Ethical considerations for engineers include obligations, rights and values in engineering. Professional ethics have a number of key characteristics, including a formal code, focus, precedence, restriction, two-dimensionality (positive and negative), and role morality. Only a few examples of professional models are Engineer as Catalyst, Engineers as Game Players, Engineers as Bureaucratic Servants, and Engineers as Social Servants and Saviors.

ENVIRONMENT AND SUSTAINABILITY

Students' Character Development is an Important Goal of Our College's Human Values and Ethics Programs. We hope that the Institute for Human Values and Ethics' work will help students become more self-aware by encouraging them to reflect on the issues they face and the solutions they may devise. Our pupils are also taught the importance of responding to situations rather than merely reacting. Furthermore, students are given an opportunity to

recognize their social duties at the Institution. Efforts are done to rid our society of the main problems that plague us today. Furthermore, we can see that the students who participate in these programmes have a better understanding of their own potential and how it might benefit society as a whole.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

22

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

755

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1885

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://bvrit.ac.in/images/Articles/Governance/AQAR_2020-21/Stakeholders-feedback-Analysis.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://bvrit.ac.in/images/Articles/Governance/AQAR_2020-21/Stakeholders-feedback-Analysis.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1391

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

490

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Students from different backgrounds and cultures take admission into the programme, hence it comes important to maintain the Student Portfolios since their admissions into I Year. The progress of the student is maintained as a record in the counseling books and regularly updated. Depending upon the performance of the student in the previous Semester End Examinations (SEE) or Current Semester Continuous Internal Evaluation (CIE) Examinations (Mid I Examinations), the student is categorized as Slow, Average, and Fast Learners.

Metrics for Identifying Slow and Fast Learners

Methods for identifying weak students

Identification Criterion

Actions taken

- Students with backlogs
- Students with less than 50% marks in Continuous Internal Assessment (CIE).
- Arranging remedial classes.

- Handouts and material
- Unit-wise important questions with solutions
- Peer learning
- Personal counseling and mentoring.

1. Time table for the remedial classes is prepared by the class-in-charge. 2. Revision of the difficult topics is done by the concerned course faculty. Additional materials are also provided suitable to their learning style. 3. Subsequently, learning assessment, and evaluation are carried out. 4. Personal Mentoring is done by the mentors in one to one basis to identify and understand the reasons for underperformance. 5. Parents are also called up for a meeting with the mentor and Head of Department to convey their ward's underperformance and guidelines to improve the performance.

Methods for identifying Bright students

Identification Criterion

Actions taken

Students without any backlogs, CGPA > 8.0, and marks greater than 80% in the first mid-term exam are considered bright students.

- Sponsoring to attend the conferences and workshops
- Encouraging them to do special projects
- Guiding for competitive exams like GATE, GRE, and others
- Involving them in R & D projects
- Encouraging to participate in the national level events like SAE-BAJA, Hackathons competitions.
- Given higher-level assignments.

The students with good performance consistently are listed and to encourage them for further learning into different paradigms, the mentors list out their interests and goals. Students are allowed to appear for several advanced training programs through Advanced Programming Techniques (APT), Telangana Academy for Skills and Knowledge (TASK), Campus Recruitment Training (CRT), PEGA Certification Courses, Robotic Process Automation (RPA), NASSCOM, and CoCubes. Students are motivated to participate in British English Certification (BEC) and NPTEL course and certification examination. Students are encouraged to participate in the national level Hackathon, online and offline coding contests, TCS Codevita, etc. Students are also encouraged to take part in, multi-disciplinary projects as well as Assistive Technology Laboratory (ATL) activities. Students are encouraged to do internships and

motivated to get higher package internships. Training in niche technologies like AI/ML and Deep Learning is also provided.

Institute also has an exclusive center, Graduate Study in Abroad Centre (GSAC) to enable and support students to take up higher studies abroad. They do organize seminars and exclusive sessions with top-rated universities across the globe. At GSAC, our objective is to support the students to fulfill their aspiration to study abroad.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2021	5260	331

File Description	Documents
Upload any additional information	No File Uploaded

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:

Interactive Classrooms: Student-Faculty Interaction

With the help of chalk & Board and Projector, the contents from the syllabus are explained to the students. This mode enables direct interaction between the teacher and the student, allows the student to ask questions, clarify doubts and also enables the teacher to assess the level of assimilation of the topic covered by the student. The students thereafter are given a set of questions to be answered on the spot which facilitates better learning and understanding of the topic being taught. Topics are explained to students in classrooms with e-content in the form of animation and working pictures to make them understand more clearly the concepts and mechanisms and their application in real life.

Flipped Classroom

The teachers put the material on a specific topic online on Google classroom for students to go through the material in advance, bring questions and queries about the topic and build additional knowledge on the subject during the class. This provides the opportunity for learning beyond the syllabus also.

Problem Based Learning: Student-directed Learning

Attempts are made to create excitement in the classroom through posing problems related to the topic and finding solutions thereby presenting and learning the topic, which ensures students do more than listening through active participation.

Web-Based Learning

The internet is an open information system from where the students can obtain various kinds of information, media, and materials such as texts, images, video sequences which can help them in a diverse way for generating self-learning environments. Due to its interactivity, learners can gather the information that is important in learning and helpful in accomplishing their learning objectives. Hence, the potential of the internet self-learning mode is considered to be very high. Therefore, the Institute provides internet facilities in both the academic and hostel campuses for 24 hr. The availability of internet facilities allows them to learn and to gather information from a worldwide network without any interruptions.

Mind Map Presentations

The department encourages students to prepare and present the technical topics from the course in the form of charts (Mind Map), PPT, or visual aids. These presentations help students to improve their confidence, expressiveness etc.

Self-Learning

The departments stimulate students to do the self-learning courses like SWAYAM, NPTEL, Course era, IBM Cognitive class, Microsoft Technology Association. Therefore, Self-learning allows students to identify the problems and quickly look for effective solutions on their own.

Project-Based Learning

Project-based learning is an instructional approach designed to give students the opportunity to apply their fundamental knowledge and skills through engaging projects set around challenges and problems they may face in the real world. The students are encouraged to develop their practical knowledge by doing innovative projects in III and IV years which improves their interest in innovative and creative learning. The department of ECE set up Vishnu Innovation Labs to provide special training programs on industry-based core technologies and advanced technologies in VLSI, Embedded, RF Communication, Robotics, and AI&ML. The structure training programs starting from II year II semester are being arranged in these domains under various special labs by the internal faculty, external industry, and R&D experts to enrich the technical competency in specialized domains of ECE.

Workshops

To impart content beyond the syllabus in core subjects, the department plans hands-on workshops with industry experts in each semester. Towards this, workshops in association with industries like CDAC (for VLSI and Embedded Systems concepts), VI Solutions for Graphical Programming have been arranged every year.

Industrial visits

In order to provide the students an opportunity to learn practically through interaction, all the departments plan a minimum of two industrial visits in a year for II- and III-year students. As a part of the curriculum, II year ECE students, after completing the basic electronics course, will be taken to Kwality Photonics (LED manufacturing industry), to give more insight into the diode working and BHARAT SANCHAR NIGAM LIMITED, Gachibowli. For III Year students an industrial visit to BHARAT SANCHAR NIGAM LIMITED, GACHIBOWLI-RTTC, RATIO communications, NIAR is planned to know more about telecommunication switching systems.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Virtual Programming ICT Tool (E-lab) E-LAB was introduced in the

year 2017-2018. E-LAB is a tool that assists students in self-learning programming skills such as C, C++, JAVA, etc. The E-LAB tool is equipped with an auto evaluation feature that can not only compile and execute a program but also supplies the program with use cases to determine the correctness. The programs are categorized into three levels based on their complexity and all levels are further divided into ten sections that pertain to the different features of a programming language such as Input/Output, Strings, Arrays, Structures, etc. The total number of programs is more than 1300 for the "C" language. Each student is assigned 300 programming problems randomly with 100 problems each for levels - 1, 2, and 3 respectively.

Video Lectures/ webinars lectures The department has video lectures on almost all courses in the curriculum and they are made available to the students for further understanding of any theory or lab course. Thus, this mode of delivery for better understanding the concepts. i) Zoom Videos ii) Mind maps Digital Library The digital library in the college contains a collection of lecture notes, video lectures, journals, etc. Which can be accessed by the students while in college to help them understand the theory or lab course better and to gain in-depth knowledge in the program of study. Thus, this delivery method also strongly helps in the attainment of all the pos. email, electronic mailing lists, social networking communities, and discussion. Forums and Social Networking Students are encouraged to contact their course instructor through emails for clarification of any doubts in the course and for sharing any course material. Similarly, sharing lecture notes and any material that helps in understanding the theory or lab course better is done through electronic mailing lists, social networking communities, or discussion forums. As the above methods help the students in clarifying their doubts by interacting with the faculty member and by discussion among their peers, they focus on the individual needs of the students and help them to perform better. National Program on Technology Enhanced Learning (NPTEL) The National Program on Technology Enhanced Learning (NPTEL), a project funded by the Ministry of Human Resource Development (MHRD) and supported by all IITs and IISC is aimed at enhancing the learning of Engineering Concepts through the video-based learning material. The college has been using the NPTEL courses very successfully for the past few years. The video lectures provided by NPTEL become an invaluable source of self-learning for the learners. The video lectures for all courses provided by IIT Madras and kept in the college server are being utilized by the students and staff.

ICT Tools Used for Assessment

ICT tool used

Courses

Purpose

Quizlet

Network Theory, Production Planning and Control

Perform Formative Assessment of student learning and engage students using an educational technology tool.

Kahoot, Plickers

Control Systems, Power Semiconductor Drives, Engineering Metallurgy, Production Technology

Perform Formative Assessment of student learning and engage students using an educational technology tool.

Google Forms

Digital Communications, Telecommunication Switching systems, Engineering Metallurgy, Kinematics of Machinery, Thermal Engineering - II, Engineering Graphics

Conduct MCQs, fill in the blanks, short answers, True/False

Ed-Puzzle

Refrigeration and Air Conditioning

Develop interactive video content.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.bvrit.ac.in/study/e-cap
Upload any additional information	No File Uploaded

2.3.3 - Ratio of students to mentor for academic and other related issues**2.3.3.1 - Number of mentors**

296

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

I. Academic Calendar For the smooth functioning of Academic Activities, before the commencement of every semester, the Head of Institute (Principal) briefs the Head of Department(s), about the requirements for the semester based on current needs and previous semester observations. Subsequently, at the department level, the Head of Department (HoD) briefs the faculty about the institute's vision for the semester and the standards are set based on the current industry needs with inputs from industry and academic experts. The best strategy for improving Academic excellence is evolved from the experience of the previous academic year/semester. The commencement of classwork and examinations are strictly according to the schedule mentioned in the academic calendar.

II. Semester Planner Being an Autonomous Institute, the semester planner for each semester is prepared based on Academic Calendar and circulated to all the students and faculty of the institute well in advance of the commencement of the academic year.

The semester planner contains the following information:

- Date(s) for registration of Courses
- Date of Commencement of Classwork
- Duration of Semester
- Dates for Commencement of Continuous Internal Evaluation (CIE) Examinations (Mid I and Mid II)
- Last working Day of Classwork in Semester
- Dates of Commencement of Semester End Examinations (Theory and Practical)
- Dates of Commencement of Supplementary Examinations
- Date(s) for opting Elective Courses
- Date of Commencement of Classwork for Next Semester
- Date(s) for Events such as Parents Meet, Traditional Day, Alumni Meet, Sports Week

III. Subject Allocation to Faculty and Course File Preparation

The subject allocation is done by the Head of Department in consultation with the Department Academic Committee (DAC), one month ahead of each semester by seeking 3 to 4 choice of courses from each faculty. For smooth functioning of Academics, the Head of Department appoints Year-wise Coordinators, Section In-Charges, and Course Coordinators, thereby allowing/ensuring the decentralization of Administration. The Year-wise coordinators monitor the Academics and Overall improvements of a batch. Master Time-Tables and individual Time-Tables for faculty are prepared and circulated. The course coordinator(s) along with the faculty handling the same course decides on the Course Objectives and Outcomes, CO-PO Mapping, Methods of Instructions Delivery, Question Bank Preparation plays an important role in quality assurance of course delivery by taking the attainments of the course for the previous batch into consideration. The faculty is expected to prepare session plans for the course which include CO-PO mapping, ICT Tools, plan for content delivery, and plan for assessments in compliance with the academic calendar. The faculty are also expected to prepare the course file. Session Plans and Course Files are scrutinized by the course coordinator and Department Academic Committee under the supervision of the Head of Department.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

331

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

92

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

2225

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

Nil

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

98

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

AUTOMATION OF EXANIMATION SYSTEM

The Examination process is automated by Bees software Solutions examination software. The examination cell has a surveillance system for security.

EXAMINATION PROCESS

Internal and External Assessment is done as per the norms prescribed in Academic Regulations of concerned programmes i.e., B. Tech., M. Tech., MBA, offered by the College.

I.1.PRE-EXAMINATION PROCESSES:

1. Mid- Examinations

1. Controller of Examinations will prepare the schedule of Mid-Examinations and the same will be communicated to all HODs concerned, faculty and students through the website, etc., HODs of the concerned Departments ensure circulation of Schedule of Mid-examinations the faculty concerned and arrange for reading out in the classrooms and display in the departmental notice boards. Two mid examinations for each theory course will be conducted as per academic regulations.
2. The departmental examination Coordinator gives the estimation of answer scripts to the Examination Cell (Autonomous) sufficient to conduct each Mid Exam and internal lab exam in all the subjects two weeks before the commencement of Mid Exams.
3. Subject teachers prepare 2 sets of Mid question papers in their subjects as per the guidelines given in the Academic Regulations and pass on the sealed covers to the departmental examination coordinator(s) of concerned departments one week

before the schedule of the Mid Exam in the subject. The department examination coordinator(s) submit the same to the Controller of Examination one week before the Mid-examination schedule.

4. The examination cell makes ready the required material before the examination schedule.

I.1.2.Preparation of consolidating internal marks statement and Verification

1. The ACE (Evaluation) should prepare the consolidated marks statements for each mid-exam section-wise (subjective & objective). The same has to be sent to the HODs concerned for verification by subject teachers. The verified consolidated mid marks statements signed by the subject teachers, departmental examination coordinator, and HOD isto be submitted to the ACE- (Evaluation).
2. Assignments marks should be submitted to the ACE -valuation.
3. Subject teachers have to submit Lab internal answer scripts, question paper, absentees' statement, and award list duly signed by the examiner and HOD, to ACE (Evaluation) after the conduct of internal lab examinations.
4. The ACE-valuation prepares the consolidated statement of marks of internal examinations (I- Mid, II- Mid Examinations, Assignments, and lab Internals as per academic regulations) and the same will be sent to the respective HODs to facilitate students and concerned faculty for verification purposes, if any discrepancy may be brought to the notice of the concerned HOD for rectification.
5. The representations from the students with regard to discrepancies in the award of marks of the Mid Exams in a subject(s) must be sorted out by the HOD in the presence of subject teachers in the next two days and necessary corrections be made in the consolidated marks statement.
6. The HOD/ departmental examination coordinator should get the signature of the subject teacher concerned on the final consolidated marks statements of each section and send the same to the ACE (Evaluation) with his signature. ACE (Evaluation) in turn submits the soft copy of the consolidated marks statement of Mid Exams to ACE (Systems) through the Controller of Examinations.
7. The distribution of weightage of marks should be as per the academic regulations of the programme.

I.1.3.Syllabus/ Procurement of Question Papers for Sem-end

examinations

The structure and syllabus for all courses of each department is prepared by the Board of Studies which is duly approved by the Academic council. The model question papers and a panel consisting of not less than eight subject experts from different universities/reputed institutions based on their experience should be received by the examination branch from Chairman, BOS at the beginning of the semester to procure question papers in time. On receipt of a panel of question paper setters, the selection of examination question paper setters for both UG and PG would be done by the Controller of Examination. After receipt of the approved copy of the paper setters, the concerned Assistant Controller of Examinations (Question Papers) contacts the paper setters and arranges for the setting of the question papers in a most confidential manner.

I.1.4.Question Paper setting

1. Two different sets of question papers should be prepared from the identified subject experts for both UG & PG programmes.
2. Semester-end examinations question paper of B.Tech will have questions under Part-A and Part-B with three hours duration. Part-A is compulsory and consists of ten 2 marks questions. Part-B consists of six questions, one question from each unit, out of which four questions are to be answered. All questions carry equal marks of 10 each.
3. For B. Tech, the question papers like Engineering Drawing/Engineering Graphics, Machines drawing, Building Planning and Drawing, etc., separate question paper pattern will be followed specially prescribed and fit for the course evaluation by the Chairman, BOS.
4. The details of the Question Paper pattern for End Examination (Theory) are given below.
5. The End Semester Examination will be conducted for 70 marks. It consists of two parts. i) Part-A for 10 marks, ii). Part-B for 60 marks.
 - Part-A is a compulsory question consisting of 5 questions, one from each unit and carries 2 marks each. This will be treated as Question 1.
 - Part-B consists of 6 Questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from one unit and may contain sub-questions. For each question, there will be an either/or choice (that means there will be two questions from each unit and the student should answer only one question

Conduct of Semester End Lab Examinations

1. Semester-end lab examinations will be conducted after the last working day of the semester (as per the directions given by the Controller of the Examinations).
2. The responsibility of the Semester end lab examination conduct lies with the respective HOD and the supervision of the Chief Superintendent of the examination.
3. Semester-end lab examinations will be conducted by the teacher concerned and lab external examiner.
4. The Internal examiners will be appointed by the HODs concerned and informed the Controller of the Examinations.
5. As per the galley of the students appearing for the lab examinations, the required stationery (OMR, answer booklet, and D-form) is to be procured by the Department from Chief Superintendent.
6. The concerned HOD of the Department should prepare the timetable batch-wise with respect to the equipment available in the department and forward the same to the examination cell.
7. After the examination, the examiners should submit the marks awarded and absentees statements in sealed covers in the examination cell to the ACE-2 (Conduction of Examinations). ACE-2 (Conduction of Examinations) should in turn hand over after posting in his register to ACE (Evaluation). ACE (Evaluation) submits the same to ACE (Systems) for results processing.
8. Duly signed Remuneration bills should be submitted along with the marks awarded in Answer sheets.

II.2.2. Conduct of Semester End Theory Examinations

Semester end examination shall be of three hours duration and have a weightage of 70% of the total marks (For both UG and PG programs).

The process of conducting the semester-end examinations is as follows:

1. The controller of examinations for the concerned semester examinations shall be responsible for the smooth conduct of the semester-end examinations with the support of the Chief Superintendent of Examinations, Deputy Controller of Examinations, Assistant controller of examinations, Observers, Squad, office staff, and faculty invigilators drawn from the

various departments.

2. As per the schedule of examinations, the Controller of examinations will select and open one of the sets (minimum four question papers available in respect of B.Tech & MBA; Two question papers in respect of M.Tech) . The question paper should be opened taking into consideration the time required for validation, printing, and delivery of question paper to the invigilators in examination halls and distribution to students.
3. A subject moderator nominated by BOS Chairman based on experience/expertise in the course will be asked to validate the question paper and he/she will prepare the detailed key with the scheme of evaluation.
4. The validated question paper will be handed over to the ACE-2 for printing the required copies and arranging for distribution to the examination halls.
5. The squad should make a surprise visit to all the examination halls and ensure that the examinations are conducted as per the code of conduct.
6. Malpractices, if any, identified by observer or squad should bring in a written notice of controller of examinations for proper action.
7. By the next day forenoon of the completion of the examination, all the answer scripts are packet and handover to the ACE (Valuation) by ACE-2 (Examinations Conduction) along with question papers and D-forms duly signed by hierarchy.

II.3.Post-Examination Process:

1. Coding and Packing

The ACE (Evaluation) should arrange to check the answer scripts received from the Chief Superintendent/ACE-2(Examinations Conduction) with the D-forms received and malpractice cases if any. Enter the following in the coding Register: Name of the course code, Date of the examination, code number beginning and ending, number of candidates registered, number of candidates present, Regd., no of students who were booked for resorting to Malpractice.

1. Check for accuracy of the entries.
2. Take out the perforated part-I from the answer books.
3. Pack answer books in bundles each containing 40 for spot valuation.
4. Arrange the Slips in the order of Script code numbers.
5. Pack the Slips subject-wise.
6. The bundle slip format should be filled and should be pasted

on the top of the pack.

7. The Bunches of slips should be kept in the custody of the ACE (Evaluation) concerned.

II.3.2.SPOT VALUATION

The institute adopts the system of Central evaluation of the answer scripts by appointing external examiners/valuators from reputed institutions. The coordinator for central evaluation will be nominated as the controller of the Examination.

The coordinator will be responsible for the conduct of the evaluation.

1. At least fifteen days before the commencement of spot valuation, the ACE-Valuation concerned should contact the examiners, from the panels of examiners which are approved by the Controller of Examinations.
2. The Examiner shall have a minimum of 3 years of teaching experience and he/she must have taught the subject of valuation at least once. However, teachers with 2 years of experience may also be considered for scarce specializations.
3. Spot valuation will be commenced only after the preparation of a Detailed key (solutions cum scheme of valuation), which is prepared by the course coordinator/external expert.
4. Well in advance arrange the question papers, detailed key award lists, and other stationery required for the smooth conduct of spot valuation.
5. On the day of valuation, the question papers and detailed keys will be given to the evaluators along with answer books.
6. The Examiner can value a maximum of 100 answer scripts per day (i.e 50 scripts in each session)
7. The evaluator should evaluate each answer in the answer script and fill the boxes in part-II of the OMR sheet representing the question numbers with the marks obtained for each question in the respective boxes.
8. The evaluator should not correct the marks by scratching and writing. In case of any correction, strike previous figures by a line and write the new marks aside.
9. The evaluator should enter the total marks in the boxes provided.
10. Valuator should use a ballpoint pen (Blue or Black) for writing alphabets & numerical numbers in boxes and circles.
11. The evaluator should not detach any part of the OMR sheet. If detached, that should be reported to the coordinator.
12. The evaluated answer scripts along with marks sheets signed by

the evaluator should hand over to the Scrutinizer/ ACE-Valuation. If there is any discrepancy in any evaluated answer scripts identified by the scrutinizer (i.e., non-valuated answers, wrong total, etc.,) that should be reported to the valuator and required corrections to be made by the evaluator with counter signature.

II.3.3.SCRUTINIZER

1. The work of the scrutinizer starts almost concurrent with the process of evaluation. He should verify and ascertain that all the required information entered by the examiner on the award list of marks is correct.
2. He should check all the questions answered by the students whether valued or not valued by the examiners. If any answer is not valued, it should be immediately brought to the notice of the examiner and get it valued.
3. He should check whether the marks awarded for all answers and posted in the marks table on the OMR sheet of the answer book. The marks posted should be checked for accuracy. Also, check the bubbling of total marks.
4. He should also check whether the same total marks on the answer book valued are carried to the award list and entered the same in the bubbling total. Marks mentioned in the figures on the OMR sheet and award list should tally with bubbling.
5. The evaluated answer scripts along with marks sheets signed by the evaluator should hand over to the Scrutinizer/ ACE-Valuation. If there is any discrepancy in any evaluated answer scripts identified by the scrutinizer (i.e., non-valuated answers, wrong total, etc.,) that should be reported to the valuator and required corrections to be made by the evaluator with counter signature.
6. If there is no discrepancy, the Scrutinizer should sign on Part-II, detach it and arrange in coding order, pack award list (detached OMR slips) in an envelope with superscription of details.
7. He should put signature only on Part-II of the OMR sheet.
8. The Scrutinizer submits answer script bundles to the ACE-Evaluator.
9. ACE-Evaluation should maintain all the details of valutors and scrutinizers in the registers.
10. ACE-Evaluation should hand over all the OMR award lists to the ACE-Systems for results processing.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.bvrit.ac.in/study/structure-and-functions

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The institute publicizes the Vision, Mission and Programme outcomes of each department to all the stakeholders namely students, parents, faculty, alumni members, governing body, employers, professional bodies, sponsors, and donors. Doing so will bring a strong alignment in the aspirations and passivity diffusion of all stakeholders and contribute to a strong bonding and symbiotic actions which will ensure the attainment of its mission. Department: Vision, Mission and Programme outcomes statements are displayed in all the classrooms, laboratories, staff rooms, corridors and offices of the department including department notice boards. Curriculum: Vision, Mission, Programme outcomes and Course outcomes are printed in the student handbooks which are published in hard/soft copy every semester and are given to the students. Institution Website: Vision, Mission, Programme outcomes and Course outcomes are prominently published in the department's home page of the college website which is frequented by all stakeholders of the programme. Promulgation of Department Mission and Vision All the stakeholders are informed in advance about the Vision, Mission, Programme outcomes and Course outcomes published on the college website. In addition to that, the dissemination of the department's vision and mission statements is done in the following process. Students: Awareness about the department Vision, Mission, Programme outcomes is done by displaying them on the notice boards and in the classroom for the students. They are also explained at the time of joining the institution as part of an induction programme. Parents: Parents are explained about the department's Vision, Mission, Programme outcomes and Course outcomes during the induction programme organized at the time of joining their wards in the college. Programme outcomes and Course outcomes are also explained to them during Parent-Faculty meetings. Faculty and Staff: Staff meetings will be conducted for newly joined faculty and staff members to induct them into the institution and the department during which the mission and vision of the department are also explained. Alumni Members: Vision, Mission, Programme

outcomes and Course outcomes of the department are explained to alumni members during alumni meetings organized every year and suggestions are taken for the effectiveness of implementation.

Employers: When employers visit the campus for placements, and when the placement cell approaches the employers, the department brochure containing the Vision, Mission, Programme outcomes and Course outcomes is given to them.

Professional Bodies: While organizing events under professional bodies, the events brochures are designed to contain the department's Vision, Mission, Programme outcomes and Course outcomes which are sent to the professional bodies.

Sponsors and Donors: While approaching sponsors/donors for sponsorship for various activities organized in the department, the department brochure containing Vision, Mission, and Programme outcomes is given and explained to them.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Assessments Tools for the Calculation of Attainments of Course Outcomes are listed below:

a. Direct Attainment

1. Continuous Internal Evaluation (CIE)

- Subjective Examination
- Objective Examination
- Assignments

2. Semester End Examination (SEE)

b. Indirect Attainments 1. Course Exit Survey

Semester End Examination - SEE Students are assessed semester-wise on the complete syllabus. This is a summative assessment that occurs at the end of a course and measures the extent to which the students have achieved the desired course outcomes. The Semester End Examination will be conducted for 70 marks which consist of two parts viz. part-A for 20 marks and part -B for 50 marks. Part-A consists of TEN questions carrying TWO marks each. The students

shall answer all TEN questions. Part-B consists of FIVE questions carrying 10 marks each. Each of these questions is from one unit and may contain sub-questions. For each question, there will be an either-or-choice (i.e. there will be two questions from each unit and the student shall answer any one question). Course Exit Survey- CES Indirect assessment of the course is done through Course End survey where the feedback is taken from the students about the course outcomes. The survey is in Questionnaire Format and Rating is done on a scale of 1-5 where 5 is Excellent, 4 is Very Good, 3 is Good, 2 is Average and 1 is Poor

The marks distribution for various tools used for recording the attainment of Course Outcomes (COs) of all courses with respect to target attainment levels are explained as shown below: I. Rubrics of Theory Course Attainments: a) Direct Attainment: i) Continuous Internal Evaluation (CIE) CIE is conducted for 30 marks and Course Outcome (CO) attainments are calculated. For each course, 65% of the maximum marks are set as the benchmark and the students securing at least 65% of the maximum marks are considered for the attainments. The process is as given below: Evaluation = $[(Y/X) * 100]$ Where: X: Number of students attempting the exam Y: Number of students securing equal or greater than the benchmark value Benchmark Value = 65% of the maximum marks ii) Semester End Examination (SEE) SEE is conducted for 70 marks and Course Outcome (CO) attainments are calculated. For attainment calculations, class average marks are set as the benchmark and the students securing equal to or more than class average marks are considered. The process is as given below: Evaluation = $[(Y/X) * 100]$ Where: X: Number of students attempting the exam Y: Number of students securing equal or greater than the benchmark value Benchmark value = Average marks of course iii) Total Direct Attainment (DA) = $[0.3 * CIE + 0.7 * SEE]$

b) Indirect attainment (IA) = Course End Survey on Course Outcomes

c) Total attainment (TA) = $[0.8 * DA + 0.2 * IA]$

II. Laboratory Courses: Assessment of laboratory courses is based on the performance of students in the day-to-day performance in the lab and in semester-end practical examinations to fulfill the course outcomes. For practical courses, there shall be continuous evaluation during the semester for 30 internal marks and 70 Semester End Examination marks. Out of the 30 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 20 marks and internal practical examination shall be evaluated for 10 marks, conducted by the laboratory teacher concerned at the end of the semester. In the Semester End Examination out of 70 marks, 50 marks are evaluated for the conduction of experiments and 20 marks are

allotted for viva-voce. Viva voce is conducted with the help of an external examiner to evaluate the students on the course knowledge, and give the students a scope to verbally defend or put forward their views.

Rubrics of laboratory course attainments: a) Direct Attainment: i) Continuous Internal Evaluation (CIE) $CIE = [Day\text{-to-Day Evaluation} + \text{Internal Exam}]$ ii) Semester End Exam (SEE) $SEE = [\text{Conduction of Experiments} + \text{Viva}]$ iii) Direct Attainment (DA) $= [0.3 * CIE + 0.7 * SEE]$ b) Indirect attainment (IA) = Course End Survey on course outcomes c) Total attainment (TA) $= [0.8 * DA + 0.2 * IA]$

Attainment of Program Outcomes and Program Specific Outcomes

The Program Outcomes/Program Specific Outcomes Attainments are calculated in the following process:

The Institute is using the following two methods for assessing attainment of Program Outcomes and Program Specific Outcomes.

1. Direct method
2. Indirect method

The Direct Method of assessment is based on an assessment of PO on the achievements in the contributing courses for that particular PO. The indirect method of assessment is based on student exit survey, alumni survey, employer survey, and feedback from parents. The evaluation of POs and PSOs is carried out with respect to student performance and surveys in terms of direct and indirect assessment methods respectively for the contributing courses mapped to the POs and PSOs.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1251

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

https://bvrit.ac.in/images/Articles/Governance/AOAR_2020-21/Student-satisfaction-survey-2020-21.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

B V Raju Institute of Technology has a research committee to promote, monitor, and review the research and development projects. The research committee is chaired by the principal involving Dean R & D, Academic Deans, Head of the Departments, and senior Professors as members. To promote research culture in the College, the following steps have been initiated

- The separate annual budget is allocated for R & D activities.
- Special increment for faculty on the conferment of Doctorate Degree.
- The incentive for faculty on successful completion of sponsored projects.
- Financial assistance and Leave provision to faculty and students for participating and presenting papers in national and international conferences.
- Providing special leave to the faculty to pursue their Ph.D.
- Monetary support to the students to present their technical papers, prototype models in symposia, workshops, etc.
- Establishing special labs to promote research work for the benefit of staff and students.

A well-defined research policy has been devised and published on the

college website under HR policy. The incentive schemes have been implemented for all faculty members and the same will be reviewed from time to time by Research Committee.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.bvrit.ac.in/discover/service-rules
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0.66

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

4

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

33.04

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	No File Uploaded
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

8

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

20

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

8

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.aicte-india.org/
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The institution has created a number of research-oriented laboratories in addition to academic labs in all the departments to encourage the students to develop new and innovative products and working models. This helps students to have hands-on experience and knowledge of the practical application of the model. The following are a few product development activities taken up by the departments

1. Assistive Technology Lab (ATL) Assistive Technology Lab works for a unique and noble cause of designing projects by the students of BVRIT to benefit the differently able. This is a small but definite step to mainstream people with disabilities into society. ATL provides a rich, authentic learning experience for students. It is a real-time platform for the students to learn and experience the engineering design process, apply their academic skills in a real-world context, and develop important workplace skills not usually taught in the classroom. Each project team must brainstorm and analyze alternative design solutions and justify their chosen design; they must work within a budget, analyze the cost of various design alternatives, and in the end, make a presentation outlining their design work and final solution. The mechanical engineering

students developed the following products using the facilities available at ATL. 1. Smart Feeding Device developed to aim, feeding utensils for helping people with upper limb paralysis and for elderly people. Participated in ANVESHANA2016 and won 4th prize of worth Rs.15000/- 2. Braille printer: This is a type of printer which is specially designed for visually impaired people.

2. Hybrid car: It is a vehicle powered by two power plants DC motors and an internal combustion engine. A hybrid electric vehicle that combines a conventional propulsion system with a rechargeable energy system.

3. Battery electric vehicles with manual transmission to reduce the usage of fossil fuels and reduce the greenhouse effect caused by them. To check the performance of battery electric vehicles by using manual transmission.

4. Electric bike with gear system: The conventional petrol engine of the bike is replaced by an electric motor, which in turn is coupled to the gearbox of the replaced engine. The prime source of input to the motor is a series aligned two 12v batteries, giving a total of input to the motor. 5. Electrical bikes 6. Energy Clinic 7. Solar sun simulator: Testing of solar PV modules 8. Solar charge controller 9. Solar LED lamp

Electronics & communication engineering have started working on research activities in various laboratories like RPREC, National Instruments, Texas Instrument, Cyient Incubation center, VLSI Automation, and cognitive Science under the guidance of lab coordinators and the senior faculty members.

To nurture the entrepreneurial spirit among youngsters Entrepreneurship Development Cell (EDC) was established that helps in inculcating the spirit of entrepreneurship among all the students.

The major activities of ED Cell are

- To conduct Entrepreneurship Development Programmes on regular basis for students, alumni, educated unemployed and working professionals.
- To support skill development activities particularly catering to specific areas of requirement in that region.
- To identify and provide solutions for the problems of small business management & entrepreneurs.
- To support continuing education needs of personnel in areas of

technology and management.

- To introduce the concept of entrepreneurship in the curriculum at the degree level.
- To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.
- To give requisite inputs for starting a successful venture like technical know-how, acquiring financial assistance, licensing, pollution control.
- Assistance in identifying products and services.
- Assisting in preparing project report for feasibility
- To offer technology commercialization assistance and management evaluation.
- To encourage young talented entrepreneurs to set up units in this region.
- To develop research activities in entrepreneurship development

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

Nil

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

10

File Description	Documents
URL to the research page on HEI website	https://www.bvrit.ac.in/research
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

0.32

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

0.12

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

703

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

20

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

42.49

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

4.5

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

NSS Unit: The Jawaharlal Nehru Technological University, Hyderabad has sanctioned two NSS units (UNIT-I and II) for BVRIT Narsapur, the NSS units of the institution consist of 100 socially sensitive volunteers with a deep sense of service participating in the activities for the welfare of the society. With the unswerving support of the Management, the NSS Units further enhance the social spirit through seminars and awareness camps on various societal issues. The Organization has a motto "Not me but You". The motto itself underlines the belief that the welfare of an individual NSS volunteer is ultimately dependent on the welfare of society overall. NSS Units of BVRIT has been felt that the primary aim of the scheme

is to enable the students to upgrade their personality and experience through community service.

1. Haritha Haram programme initiated by Telangana Government was organized by NSS units I, II volunteers on 21-07-2021. The programme was inaugurated by Dr. K.Lakshmi Prasad Principal and Dr.K Dasaradha Ramaiah, NSS Program by planting the sapling on the college premises.
2. NSS Cell of BVRIT Narsapur organized Clean India Program on the occasion of 'Azadi Ka Amruth Mahotsav' from 1st October 2021 to 31st October 2021 and conducted various activities for the benefit of the people in and around Narsapur. During this Program, NSS Volunteers are participated and conceded out various activities like College Campus Cleaning, Awareness Campaigns, Rallies, Hospital Cleaning Campaign, Bus Stop Cleaning, Waste Collection Drives, Street Cleaning, etc.
3. NSS unit organized the "Swachh Pakhwada" (fortnight) from 1st to 15th August program which is announced by the Ministry of Youth Affairs & Sports, Government of India. Our NSS Volunteers Visited the adopted village of Ramachandra Puram in Medak district to create awareness through a door-to-door campaign and focused on making the village free from open defecation and construction of toilets. Our NSS Volunteers participated in Intensive Cleaning of locally-based Welfare Agencies such as Hospitals and bus stations, public places in Narsapur, Medak District etc.
4. the NSS Cell of BVRIT Narsapur celebrated the 'Azadi Ka Amrut Mahotsav' by organizing the Fit India Freedom Run on 15th August 2021. The "Fit India Freedom Run 2.0" was launched to celebrate 75 years of India's Independence.
5. The International Yoga Day is celebrated on 21st June 2021 at our BVRIT campus in off-line and Virtual mode to usher in peace, harmony, happiness and success. Yoga is a mental, physical and spiritual practice that needs to be carried every day, this was a great opportunity to imbibe the value of this discipline.
6. The NSS UNIT of BVRIT Narsapur has taken initiation of distribution of 2-Mask (Surgical Mask and Cloth Mask) to 200 families in the adopted village of Ramachandrapur. The village people started the wearing of a double mask surgical mask with

a cloth mask. NSS Unit of BVRIT Narsapur has created an awareness Video on the Wearing of Double Mask (Surgical Mask with a Cloth Mask) for protection of Covid-19 and Uploaded in YOUTUBE. The YOUTUBE link is shared with all the people to create the awareness and benefits of wearing of a double mask.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

6

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

6

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

180

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

399

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

11

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

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 equipments, etc.

B. V. Raju Institute of Technology was established in 1997 in an area of one hundred and ten acres (110 acres). It has a total built-up area of six lakhs ninety-three thousand seven hundred and eighty-four sq. ft. (6,93,784.3 sq. ft.). The management strongly believes that the right and adequate infrastructure facilities provide opportunities for the faculty and students' academic development.

The build-up area satisfies the norms of statutory bodies like UGC, AICTE, and JNTUH. The campus is lush green with trees and lawns.

There are academic blocks to support 13 Undergraduate and 8 post-graduate programs. All the classrooms are equipped with a desktop computer, LCD projector, wi-fi connection, and a camera to even conduct online classes. The college has seminar halls with audio & video equipment to conduct guest lectures, workshops, seminars, and conferences. All laboratories are equipped with the latest equipment and well maintained. In addition to these, there are twenty-two (22) special labs to support the students to work in different domains based on their interests. All departments have faculty rooms as per the norms of AICTE. All the buildings have ramps for easy accessibility for differently challenged persons.

The campus also has an exclusive examination branch where all the exam-related works like moderation and valuation are carried out. It also has a placement cell with discussion rooms to facilitate the campus recruitment process. It has an auditorium with a capacity of 500, where a lot of training and cultural activities take place. It also has an open-air auditorium with a capacity of 2,500.

The campus has eight Hostels, 6 for Boys and 2 for Girls which accommodate 850 boys and 450 girls. The campus consists of faculty quarters, 89 family quarters, and 17 bachelor quarters. There are also 2 Canteens, 1 Food Court, 1 bakery for the needs of the campus residents and day scholars.

Keeping in view the female faculty, a Baby Daycare center is established on campus to support the faculty with young children.

Since the campus is residential, the campus has a hospital "Centennial Health Centre". It was established in Jan 2021. It is a 20 bedded Hospital on the campus. It caters to the health requirements of students, faculty, and residents of the campus. It also consists of a fully equipped dental facility. It consists of a pharmacy. The health center also has a fully equipped ambulance. The center offers round the clock healthcare facility on the campus.

The campus has a Central Library with an excellent book collection and online resources. It provides unlimited learning opportunities to the students and faculty. It also has a Vishnu Knowledge center that caters to the needs of the surrounding schools. There are also central stores to cater to the needs of the departments.

The campus has a pump house, two sewage treatment plants, backup

generators, and an RO water plant. The whole campus has RCC roads 2,12,500 sq. ft. The college has an excellent indoor and outdoor sports facility.

S. No.

Physical Facility

Number Available

Area (Sq. ft.)

1

UG Class Rooms

82

62,061

2

PG Class Rooms

08

2,902

3

Laboratories

113

93,529

4

Seminar Halls

07

98,101

5

Drawing Halls

02

3,901

6

Student Open Discussion Areas

3

7

Special Labs

22+ATL

16,697

8

Open Mind Classroom

1

1,000

9

Examination Branch

1

52,468

10

Auditorium

1

70,400

11



Library

1

10,803

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

Sports and Games: BVRIT has established 10 Acres of Land for outdoor Games Namely Cricket, Volleyball, Foot Ball, Ball Badminton, Basketball, Throw Ball, Tennis, Badminton (Shuttle), Kho-Kho, Kabaddi, etc. and for Indoor Gym faculty. The college also has an indoor stadium with table Tennis, Caroms, Chess, etc. Different sports facilities available include Running track, Long Jump, High Jump, Triple Jump, shot put Discus throw, and Javelin throw. Annual Sports festival will be conducted in all sports and games events. Another annual event "5k run" a 5 km run event is being organized every year.

Table: Sports Facilities in the institute

S. No.

Play Fields & Courts Names

Available Fields & Courts

Measurements

Total Area

(Sq. ft.)

1

Track And Field

1

400 meters track (8 lanes)

157,092

2

Outdoor Badminton Courts with Fled Lights (Women)

2

20*44 feet

1760

3

Cricket Nets

2

22 Yard*8 FEET

1052

4

Football Field

1

120*90 Mtrs

35424

5

Tennis Court with Fled Lights

1

78*27 feet

2106

6



Basketball Court with Fled Lights

1

28*15 Mtrs

1377

7

Volleyball Courts with Fled Lights In 2 Courts

3

18*9 Mtrs

1594

8

Throwball Courts

2

12.20*18.30 Mtrs

1464

9

Handball Court

1

40*20 Mtrs

8611

10

Kabaddi Court

2

13*10 (Men)

11*8 (Women) Mtrs

1399

947

11

Tennikoit Court

1

12.2*5.5 Mtrs

722

12

Kho-Kho

1

29*16 Mtrs

4994

13

Carroms

9

-

654

14

Chess

17

-



15

Table Tennis Tables

6

-

2100

16

Indoor Badminton Courts

4

20*44 Feet

8470

17

Old Gym

1240

18

Power Gym

-

-

1446

B. V. Raju Institute of Technology, Narsapur believes in the holistic growth of the students. Students need a healthy body and mind. Sports help in the overall development of the student. Institute of integrates sports, extra-curricular activities, and yoga as essential components into the student's life.

Sports enhance physical and social skills and develop discipline,

time management teamwork, leadership skills, etc. B. V. Raju Institute of Technology has excellent sports facilities. It has an Outdoor Sports Area of two lakh eighteen thousand, five hundred and forty-two sq. ft. (2,18,542 sq. ft.) and an Indoor Sports Area of thirteen thousand nine hundred and ten sq. ft. (13,910 sq. ft.). The institute conducts sports events for the students and faculty. Every year B V Raju Memorial Tournament is conducted in which volleyball, basketball, and football are conducted for boys and throwball is conducted for girls. Tennis, badminton, basketball, volleyball courts are provided with fled lights so that the campus residents can use them at the night also.

In addition to sports, the institute also conducted cultural events. These events are conducted in the auditorium and open-air auditorium. The auditorium has a seating capacity of 500 with an area of 70,400 sq.ft. and the open-air auditorium has a capacity to 2,500. Every year annual day is conducted in an open-air auditorium. The traditional day is conducted during the festival of Sankranthi. Competitions are held for the students and faculty on a traditional day like Traditional walks, Kite flying, Rangoli, Mehendi. The students and faculty actively participate in all the events. Bathukamma day is conducted during the festival of Dasara. This is conducted in the open-air auditorium where the students and faculty sing and dance around the flower arrangement.

Yoga is a spiritual discipline that focuses on bringing harmony between mind and body. Yoga can improve focus, memory, self-esteem, and reduce stress. Yoga is practiced by the students and faculty in the institute with a well-qualified faculty. Every year yoga is practiced by freshers in the auditorium during the freshman orientation week. There is a mandatory course "Introduction to Yoga" for MBA students in R18 regulation. 60 students participate in the course every year. This course deals with different asanas, pranayama, meditation, and stress management. Yoga is offered as an open elective for undergraduate students in R20 regulation.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.bvrit.ac.in/sports-fitness

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities**90**

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)**249**

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource**4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

The library services are fully automated through the standard library package SOUL. All the transactions are fully computerized and a bar code is used to issue and return the books.

- Library Automation (SOUL 2.0 Version)

The Central Library provides the following services to the users:

- Library Orientation Programme
- Circulation Services
- Serial Control
- Information Literacy
- User Education Programs
- Reference and Information Services
- Electronic Database and Online- Journals (IEEE, SCIENCE DIRECT, Springer, ASCE, J-Gate (Science & Technology & Social Sciences, DELNET)

- Digital Archiving
- ICT Services Online
- OPAC (Online Public Access Catalogue)
- Internet Facility
- Current Awareness Service (CAS)
- Lending Service (ILL)
- Reprographic Service
- Bibliographic Service (Indian Bibliographical Index)
- Information Exchange Service
- Multi-Media facility (CD-DVDs)
- Newspaper Clipping Service

Library learning resources including e-resources:

Volumes

70255

Titles

11463

National Journals

213

Magazines

54

Online Journals

9714

Area in sqm.

1030

Reading space (in Sqm)

600

Number of seats in reading space

200

Number of users (reading space) per day

200

Number of users (issue book) per day

240

Seating capacity

250

Timings:

8:00 AM. to 11:00 PM.

Number of library staff

08

Number of library staff with a degree in Library

07

Computerization for search, indexing

Yes

Issue/return records barcoding used

Yes

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

17.43

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

56

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The college has an IT service management team to look after the IT services like E-cap management, online feedback system management, and website management. By adopting the policy institute recognizes that all students and staff are bound not only by the Policy but also by national and state laws relating to electronic media, copyrights, privacy, and security.

Data Management:

The data relating to students and staff is centrally stored, which is protected/secured, the data can be accessed by the public at any point in time. No access control or identification is required to access the data available on the website of BVRIT (www.bvrit.ac.in)

General administrative data

(Proprietary data) The data for general administration are primarily internal usage and not for external distribution. (e.g. Student profile, Addresses, Mobile /Phone numbers).

Protected data

Data to be used only by individuals who require it for their jobs -work-related data. However, the protected data can be accessed by the authorities by the written approval of the Principal.

Email System

Webmail by Google is the primary e-mail service offered to Institute's employees. Authentication of mail system is with the institute by username addressed to @bvrit.ac.in and individual password will be set by the user. The users are directed to read further the privacy policy of the Webmail by Google.

Information Security

Institute is required to keep the information regarding its students, employees, and other users in order to facilitate the monitoring of their performance, achievements, health, and safety.

- All the students and employees have the responsibility for ensuring that all personal information held is stored and disposed of securely.
- If the information is not relevant, personal information is not disclosed orally, in writing, accidentally or otherwise to any unauthorized third party.
- Employees are given a note that unauthorized disclosure will usually be a disciplinary matter.

Network Security

BVRIT has a secured network setup with the following features

- User-based policy for students, staff, and guests.
- Restricted access to various applications and servers based on

their roles, endpoint security for prevention against the virus, worms, malware, and other attacks.

- Gateway firewall (Cyberoam) is provided for internet security comprising of content filtering of websites, Intrusion and prevention system, Antivirus, Anti-spam, application filter, and bandwidth management.
- Wireless security is based on the roles defined.

Risk Management

- The backup policy has been defined for various servers and applications.

Software Asset Management

Computer software can only be installed by the responsible staff. Most of the applications run on the license-based network, where we can keep a track of the licenses being used on the campus.

Internet facilities Name of the Internet provider: BSNL, Gateway Info COMM Available bandwidth: 408 Mbps Wi-Fi Availability: Yes Internet access in labs, classrooms, library, and offices of all Departments with 1000 Mbps intranet and all the systems in the college have internet facility. Security arrangements: UTM hardware firewall (Sophos)

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5260	1949

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

B. Any three of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

1904

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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

The institute has an Infrastructure maintenance committee and administrative office. This office consists of one civil engineer and one work inspector to look after the construction and maintenance of the buildings and classrooms. All department laboratories maintenance is looked after by the lab technicians. All IT infrastructure-related maintenance is taken care of by an IT service management team.

The drinking water plant is taken care of by the Chemical engineering department. Periodical maintenance operations are taken up to provide comfortable and convenient utilization of infrastructure.

Essential procedures are also taken to improve the ambiance of the campus by maintaining a clean environment. There is also a team of housekeeping staff contributing to the campus maintenance and cleanliness. Few initiatives are given below

1. A garden with a good plantation has been initiated to maintain an eco-friendly environment. There are a lot of grown trees on the campus, giving a lot of shade and a pleasant appearance.
2. Drain water of R.O. Drinking water plant is used for watering the lawns and plants with automated sprinklers.
3. Special plantation programs are celebrated on special occasions.
4. Clean and Green programs are also initiated in the college.
5. Firefighting is installed in all the buildings

The technical staff of the college is primarily responsible for the maintenance of laboratory equipment in the college. Qualified regular staff is recruited to look after maintenance (like electricians, carpenters, plumbers). Computer and network maintenance: System administrators and assistant system administrators are available. Casual/ contract employees work on daily wages for the maintenance of buildings and gardens. There is approximately 30 security staff available all through all around the Clock.

S.No

Description

In-charge

Supporting Staff

1

General maintenance and Building repair

Civil engineer

Plumber, Helper, Mason and Carpenter

2

Water Supply, Sewage, Sweeper, and Sewage treatment

Administrator officer

Plant operators and waterman

3

Water plant and Cleanliness

Mr. A.SuryaNarayanaRaju, Lab Assistant, Chemical Engineering Dept.

Housekeeping staff

4

Electrical maintenance and Generator.

P.V.SrinivasaRaju,

Lab Assistant, EEE Dept.

Electrician with ITI and Diploma Certificate.

3

Transport services

Professor-Electrical engineering

Faculty from all departments

4

Hostel

Warden

Hostel Supervisor and Housekeeping staff

5

Canteen

Manager

Housekeeping staff

6

Medical Services

Doctors

Nursing assistants

7

Surveillance and Internet facility

Network and Support manager

Technicians and System Administrators

8

LCD Projectors

Network and Support manager

Network and Support team

9

Furniture

Administrator

Carpenter

10

Sound Systems and Audiovisual facilities

Electrical department

Electrician with IIT and Diploma certificate

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2665

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

227

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities
Soft Skills
Language and Communication Skills
Life Skills (Yoga, Physical fitness, Health and Hygiene)
Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	www.bvrit.ac.in
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

587

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression	
5.2.1 - Number of outgoing students who got placement during the year	
739	
File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
5.2.2 - Number of outgoing students progressing to higher education	
74	
File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded
5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year	
5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year	
46	
File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded
5.3 - Student Participation and Activities	
5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year	
2	

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The institute has a Students Activity Center to which student representatives are nominated by the Head of Departments. Class representatives discuss the issues related to students with Class In-Charges/ Head of Department. In extreme cases, the Head of Department can take the issue to the Head of the Institute.

The college also has professional society membership for the students such as ISTE, IEEE, CSI, IETE, and SAE. The funding (if needed) for the student's activity center is from the institute budget.

In the following committees, the student representative is also a member:

- Internal Quality Assurance Cell
- Grievances Redressal Committee
- Women Welfare / Sexual Harassment Eradication Committee
- Institute Innovation Council
- Class representative
- Professional student chapters
- Cultural Club
- Anti-Ragging Committee
- Newsletter Committee
- Alumni Association

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

5

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The college has a registered Alumni Body with registration no 194/2008.

The activities and major contribution of the alumni association to the development of the college.

- Alumni help the juniors in getting the internship opportunities.
- Alumni help students to place them in the industries.
- Alumni provide the best resource persons from the industries.
- The alumni deliver talks on current industry trends.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

INSTITUTE VISION

"To create and nurture competent engineers and managers who would be enterprise leaders throughout the world with a sound background in ethics and societal responsibilities."

The following important characteristics and aspirations of the Institute are realized as per our vision:

- Contemporary and effective educational experiences that develop a competent engineer.
- An ambiance that facilitates personal commitment to the educational success of students that values diversity and societal responsibility.
- Education and research partnership with other Institutions, and targeted agencies, Universities, and Industries.
- Prudent and accountable resource management leaders
- Education and training that prepares students for interdisciplinary engineering research and advanced problem solving
- Leadership and service to meet societal needs

Towards the accomplishment of its vision, at present, the Institute offers 9 UG programs and 8 PG Programs in Engineering. In addition to these engineering programs, Institute also offers Business Administration at the Masters level.

In recognition of its academic excellence, the Institute was granted autonomous status by UGC in the year 2014. The Institute is permanently affiliated with Jawaharlal Nehru Technological University Hyderabad (JNTUH).

INSTITUTE MISSION

"We are committed to providing a positive and professional learning environment where all students are inspired to strive for excellence in becoming competent engineers, technology innovators and leaders in a global society through a cohesive network of parents, students, college staff and industry."

B.V. Raju Institute of Technology seeks to complement the instructional programs of the Institute by:

- Providing a wide range of extracurricular activities and experiences that enhance the student's intellectual, cultural,

civic, social, economic and physical environment.

- Maintaining services that accommodate and fulfill personal needs and that enrich the academic and social development of students.
- Involving the Institute with the community by providing services, programs, continuing education, cultural experiences, educational leadership and expertise to the community at large.
- Cooperating with other institutions, industries, research organizations and agencies to maximize educational effectiveness through resource sharing collaborative efforts.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The Academics and Administrative activities of the Institution are decentralized for effective management of the Organization as per the administrative setup. The principal is the Academic and Administrative Head of the Institution. Deans, HODs, and other services in-charges assist the Principal in carrying out the duties. Associate Deans, Associate HODs, Department Coordinators, class teachers, lab in-charges assist the Deans and HODs. Various functional committees are constituted with a delegation of powers for decentralization of work and effective management of the Institution.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

BVRIT has a systematic and continuous strategic planning process to identify the strategic objectives, strategic challenges, strategic advantages, long term & short-term goals with appropriate action plans by considering Institutional Vision, Mission, and Values as well as the feedback stakeholders. This process also integrates the graduate attributes/POs/PSOs as a formal input given by the NBA and other statutory bodies. The consolidated institutional SWOT analysis through a structured approach is another input for the strategic planning process to ensure agility.

BVRIT being a student-centered organization, the action plans for all strategic objectives address not only educational programs & service activities but also focus on features and characteristics that are unique to our Institute.

The step-by-step procedure is as follows:

Step 1. Strategic Planning Process reviews the Institution's Vision, Mission, and Values.

Step 2. Identifies the key planning issues with goals by the Leadership Team.

Step 3. Validation of goals that support Mission and direction under the control of Governing Body.

Step 4. Determines the objectives and strategies to achieve goals and develops measures to monitor the outcomes.

Step 5. Finds the core competencies, strategic challenges, and advantages maintained by College Academic Council, Governing Body, and Leadership Team.

Step 6. Action plans are developed for the strategies to implement which are supervised by respective Executive Committees.

Step 7. Allocation of resources, their implementation, and evaluation are controlled by Finance Committee.

Step 8. Finally, evaluates and assesses the process by Internal Quality Assurance Cell.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

BVRIT has had a holistic established administrative setup since its inception in line with its vision and mission

- Qualified Academicians who are eligible for the posts of the Principal, Deans, and Heads of the Departments are identified based on the AICTE norms.
- Experienced persons are chosen to identify and train next-generation/second-level leadership.
- Apart from their experience and qualifications, their individual capabilities are assessed.
- Importance is given to the individual's integrity, involvement, attitude, and work culture.

Functions of various Bodies:

The Institution has several committees constituted by the Principal who also nominates the coordinators of the various committees with their duties and responsibilities. The Committees are Discipline & Anti Ragging Committee, Examinations Committee, Grievances Redressal Committee, Women Welfare/Sexual Harassment Eradication Committee, Research, and Consultancy Committee, Training & Placement Committee, Alumni affairs Committee, SC/ST Students welfare Committee, Sports & Games Committee, Library Committee, Purchase / Stores Committee, General Maintenance Committee, Website Maintenance Committee, Branding & Publishing Committee, Hostel Committee, Transport Committee, etc. Similarly, Department level committees are constituted by the respective Heads to monitor the activities of the Departments like Time tables, Lab In-charges, Class monitoring Committee, Discipline, Internal assessment, Academic performance, Counselling, Projects, Internships, MOOCs, Placements, etc.

Service rules and procedure of Recruitment policies:

BVRIT has developed a systematic process to recruit, hire and retain faculty members based on needs determined through the College Academic Committee meetings and current trends in retention. The recruitment is done as per the AICTE/UGC norms and it is done in a transparent manner purely on the basis of the qualification and merit of the candidate.

The procedure of recruitment is:

- Develop staffing matrix by position, skill, and competency
- Advertise staffing needs
- Conduct initial screening of applications
- Skills assessment interview
- Job offer and acceptance
- New hire orientation program

Rules and procedure of Promotion Policies:

BVRIT identifies eligible staff as per AICTE/UGC norms and also gives importance to the individuals' integrity, involvement, attitude, and work culture. The rules, policies, and procedures with regard to the faculty and staff recruitment, promotions, leaves & retirement, PF are available in the printed HR manual and published on the website.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.bvrit.ac.in/discover/internal-quality-assurance-cell
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The following are the welfare schemes made available for teaching staff and non-teaching staff:

- Incentives for the faculty who completed Ph.D. during his/her tenure in the college
- The institution is implementing a gratuity scheme for all the staff members
- Contribution to the Employee Provident Fund (EPF) by the employee and equal contribution by the management of the College.
- The College has a canteen facility wherein it offers various varieties of food, snacks, and soft drinks to the teaching and non-teaching staff at reasonable rates.
- The College also offers breakfast and tea and milk to its teaching and non-teaching staff free of cost.
- The college offers 10 earned leaves (ELs) to the teaching and 30 earned leaves (ELs) to non-teaching staff every year after completion of the year which is also allowed to accumulate in succeeding years so that the teaching and non-teaching staff can avail them as per their requirements.
- The College has a Health Centre wherein it employs well-qualified Doctors and well-experienced Nurse to take care of the health needs of its teaching staff, non-teaching staff, and students.
- GSLIC - If an employee expires during the service, an amount up to Rs. 2, 00,000/- can be claimed by the legal heirs of that employee.
- The College allows its teaching and non-teaching women staff to avail maternity leave for three months with full salary.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

9

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

71

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

450

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The College has a mechanism for internal and external audits. Internal audits are conducted at frequent intervals by competent authorities. External audits are conducted at the end of every year by well-qualified and competent authorities. Recommendations of the auditors are implemented in the process of maintaining the accounts during the ensuing years.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

22

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

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

The college has taken the following efforts for mobilizing the resources:

- Collecting the Fees of the students joined in Category A as

per the fees fixation rules of the State Govt.

- Getting the reimbursement of the fee from the government under the scholarship scheme.
- Collecting the fees from the students who have joined in Category B.
- Getting research grants from bodies like DST, AICTE&UGC.
- Revenue from the Consultancy Projects.

Funds are allocated by the Principal of the College. Head of the Departments is intimated of the extent of funds allocated against their budget proposals. Major works like up-gradation of existing infrastructure, construction of new buildings, procurement and maintenance of common utilities, housekeeping, procurement of furniture, etc. are controlled directly by the Principal.

Actions for procurement of lab equipment, up-gradation of existing lab facilities, purchase of consumables, etc. are initiated from the respective departments and the funds are released from the account's office of the college on approval by the Principal.

During the last financial year, the budget was effectively utilized to meet expenses such as staff salary, infrastructure development, purchase of equipment, expenses towards consumables and contingencies, travel, etc. The expenditure statements are audited and the same is available on the Institute website.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Practice-1: Innovations by the faculty in Teaching and Learning

1. Use of digital platform to interact with students and solve their doubts.
2. To share the study materials online for easy access to the students at any time.

3. To expose the students to a real-time understanding of the subject through videos/3D animations.
4. To classify the difficult topics with the help of flow charts/tree diagrams.
5. To give a better understanding of difficult topics through online interaction beyond the class timings
6. Assessment through ICT Tools like KAHOOT, EDMODO, EDPUZZLE etc.

Practice:2 Programs on Future Skills

The institute has procured IEEE-CSI- SWEBOK, which enables the students to learn all foundation courses in software engineering. The institute has an MOU with NASSCOM, which enables our students and faculty to learn the latest technologies such as Big Data Analytics, AI, Cyber Security, RPA, IoT, Social & Media, Cloud computing, VR, 3D Printing, and BlockChain. The Institute of Electronic Governance (IEG) now named as Telangana Academy for Skill and Knowledge (TASK) has recognized the Institute as the nodal center. Lectures are regularly organized to improve the employability skills of the student and the necessary material is provided in the form of textbooks, CDs, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The institute has provided most departments with the latest software and hardware modules to train students in emerging areas such as structural engineering, design engineering, ANSYS, COMSOL, CHEMCAD, MATLAB, VLSI, embedded systems, micro-controllers, communications and signal processing, power systems, and software engineering.

- Bently Software Lab has been established with software such as AutoCAD, Revit Structures, Staad Pro, Staad Foundation Advanced, Water GEMS, Sewer GEMS, J- Ring, U Funnel, V- Funnel, and L- Box, Open Roads.
- TVS-HARITA TECHSERV Centre of Excellence in Advanced CAD/CAM, CAE, PLM, and Digital Manufacturing in which faculty and students were trained on CATIA V6.

- The Electronics & Communication Engineering department established four project laboratories such as VLSI Design and Applications, Embedded Systems Design & IoT, Robotics Lab, and Advanced Communications Lab to train the students beyond the syllabus.

Startup Eco System

BVRIT is always open to collaborating with Startups to build the Start-up Eco-System on the Campus. In this connection, UAV Research Center is inaugurated in collaboration with Avianco Technologies Private Limited, Bengaluru. Center for Trusted IIoTD is inaugurated in collaboration with SMARAGDINE Technologies Pvt. Ltd.

EEE Department enhanced the learning process through special labs such as Solar PV Testing Laboratory, Design, and Development of Electric Vehicle Laboratory, wind-solar Hybrid System, Electric Traction. Recently EEE department supported a startup RETRON E-bicycle with the help of alumni.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://bvrit.ac.in/images/Articles/Governance/AOAR_2020-21/Institute-Annual-Report-A.Y_2020-21.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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 year

BVRIT has taken the following steps to promote gender equity in the college

- For the promotion of gender equity, a course on Gender sensitization is introduced in the curriculum for all the branches.
- Workshops and seminars on Gender Equity, Gender Sensitization are organized every year.
- Women Welfare / Sexual Harassment Eradication Cell formed towards ensuring sensitization and awareness amongst all members of the BVRIT regarding gender inequality and sexual harassment.
- Inclusive representation of women in all important Committees. The steering committees and other core Committees of the institute include women in decision-making positions who lead various activities of the institute.
- Security cameras are installed for the safety and security of everyone in and around the campus

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	A. Any 4 or All of the above
File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded
7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)	
<p>Solid waste management</p> <p>The institute has an effective mechanism for solid waste management. The vegetable waste and left-over waste from the hostel and canteen are segregated into bio-degradable and non-biodegradable waste.</p> <p>The bio-degradable waste is put into a pit and left to ferment which will be used later as fertilizer to plants on the campus. The non-bio degradable waste is placed into dustbins which are further collected by the municipal authorities.</p> <p>Liquid waste management</p> <p>An effective sewage treatment plant functions inside the college.</p> <p>Details of Sewage Treatment Plant at BVRITN Campus:</p> <p>Equipment cost</p> <p>Cost of main sewer line</p> <p>Cost of civil work</p> <p>Total amount</p> <p>Capacity of plant</p> <p>Length of sewer lane</p> <p>Rs.16,00,000/-</p>	

Rs.15,00075/-

Rs.24,99,248/-

Rs.55,99,323/-

250 KL

448 mts

E-waste management

The e-waste generated in the Institute is collected together from all departments and handed over to an external e-waste recycling agency.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered

A. Any 4 or All of the above

- vehicles**
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	A. Any 4 or all of the above
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts</p>	A. Any 4 or all of the above
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Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc.
Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

- The institute provides a positive environment for both students and faculty. Every year, national events such as Independence Day and Republic Day are commemorated with full vigor.
- Every year, students on the College campus organize a Teachers' Day to honor the institution's teachers and to honor the late Dr. Sarvepalli Radhakrishna, a beloved professor.
- Engineer's Day, which takes place on September 15th in honor of Bharat Rathna Sri Mokshagundam Visvesvaraya, is an annual event at the Institute.
- The Institute celebrates Traditional day which resembles the cultural importance of Telangana.
- Various other activities like Holi, Diwali, Christmas, etc., are also celebrated by the students.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The purpose of this educational program is to inform the students and employees about the responsibilities of citizens under the Constitution. It also encourages them to act as responsible citizens.

- A course on the Indian Constitution is introduced for all UG Programs to create awareness and sensitize the students to constitution obligation and to strengthen the democratic values.
- Every year Independence Day is also celebrated every year to highlight the struggle for freedom and the importance of the Indian constitution.
- Republic day is Celebrated on 26th Jan by organizing activities highlighting the importance of the Indian Constitution.
- As a part of Community Service, Institute regularly conducts Swacch Bharat and Swasth Bharat Abhiyaans.
- World Environment Day is celebrated every year by planting trees on the campus and in surrounding villages.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

- The institute celebrates National festivals like Independence Day (15th August) and Republic Day (26th January) every year.
- Institute buildings are named after great persons and visionaries, like Abdul Kalam Block, Visweswarayya Block, Aryabhata block, Chanakya Block, Tagore Hostel, VivekanandaBoys Hostel Hostel, Sir C V Raman Boys Hostel, etc.
- On eve of the birthday of Dr. Sarvepalli Radhakrishnan, Students organize the teachers' day on 5th September every year on the College campus to felicitate the teachers and also to show their gratitude towards the teacher community.
- In memory of the birth anniversary of Bharat Rathna Sri. Mokshagundam Visvesvaraya, every year Institute organizes Engineer's Day on 15th September.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

BestPractice-1

COVID-19 INITIATIVE through Unnat Bharat Abhiyan

1. COVID-19 INITIATIVE

When the entire country declared lockdown due to Covid-19, during March 2020, the institution has started extending the help to the needy people through various means.

2. Objectives of the Practice

To spread awareness on the precautions to curtail the spread of coronavirus.

To educate the villagers about the importance of cleanliness.

3. The Context

Villagers were feared to do farming owing to the panic around and lack of education also added to this.

4. The Practice

BVRIT has taken steps to educate the people in five villages by way of explaining the intensity of the situation and thereby stressed upon precautions to be taken to avoid the spread of the coronavirus. The importance of social distancing was explained and information on handwashing, cleanliness was stressed.

5. Evidence of Success

The awareness program had helped the villagers to keep themselves protected from the spread of coronavirus. This also helped the migrant labor get the remedy by extending essential items for their survival during the pandemic. They were effective in overcoming the pandemic by this awareness program.

6. Problems Encountered and Resources Required

The institution had made use of media and remote working effectively during the pandemic. Lack of education is the challenge that we have seen in taking it further.

7. Notes (Optional)

The institution is working closely with medical teams by involving volunteers from UBA, NSS, and administrative staff in educating the

villagers on the updated information.

BestPractice-2

Center for Employability Enhancement

1. Title: Centre for Employability Enhancement

2. Objectives of the Practice

- Providing training to enhance the productivity of students at the workplace.
- secondly, companies will be spared of the huge amounts of investments required on pre-employment training, especially in areas like soft skills.
- Focuses on improving English proficiency, Analytical and Logical skills, Personality Development, and software knowledge of Industry requirements.

3. The Context

Employability of Engineering graduates and their ability to deliver to the industry expectations after they are hired has been a matter of concern, engaging the attention of academics and industry alike on this issue. The NASSCOM and McKinsey report indicate that only 25% of our engineering graduates are directly employable and the situation has changed significantly in the last five years. Experts in this line of thought opine that the students, though educated are seldom employable, as they lack skills in areas which are the most sought after by the industry.

4. The Practice

Under Vishnu Career Advancement Program (VCAP)/ Students Employability Training School (SETS) students are given training on soft skills, English communication, Mathematical Analysis, and Technical Knowledge.

5. Evidence of Success

The students' placements have been increased and feedback from employers is appreciable at the workplace.

6. Problems Encountered and Resources Required

- Integrating the training with the regular academic schedule is

challenging.

- Motivating the students to attend training classes beyond the class hours.

7. Notes (Optional)

Since BVRITN has become Autonomous the following subjects have been incorporated into the syllabus as mandatory courses to enhance the skills and competencies required for placements.

1. Foundation skills in Information Technology
2. Professional skills and Personality development
3. Problem-solving skills

External Training:

College provides employability skills by external agencies also.

The following open-source software is used by the placement team to conduct online tests and analyze student's preparedness for the placement season:

- Moodle
- Cocubes
- HackerEarth
- HackerRank
- 100pins.com

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Vishnu Educational Development and Innovation Centre (VEDIC) is a unique privately funded residential campus established in 2016, where faculty members, staff, and students interact in a collaborative environment with global experts to create rich, engaging experiences to further innovations in learning and research.

The Mission of VEDIC is to facilitate and provide transformative interactive learning experiences for the leadership, faculty, students, and support staff of the institute that will enable them to adapt to the fast pace of changes in the field of education.

VEDIC Goals:

- Engage our Institutions faculty members, staff, students, to work in a collaborative environment to create rich, engaged learning, teaching, and improved behavioral experiences;
- Contribute to significant increases in student learning retention and graduation rates, and thus
- Establish our Institution as a System leader in the areas of Educational Research and Academic Leadership.

Context of VEDIC:

The establishment of Sri Vishnu Educational Development and Innovation Centre (VEDIC) is an important enabling mechanism for achieving our institutional goals of increasing learning retention and graduation rates by providing outstanding instruction and support. It outlines the Center's functions in the context of our institutional priorities and our substantial experience with curricular engagement and student support services and in terms of intra- and inter-institutional connections.

The Centre will be:

- Integral to the academic mission of our group of Institutions
- Essential in offering stronger and more integrated learning support services to its faculty members and students
- Led by experienced faculty, staff, and students
- Charged to build the capacity of our Institutions to integrate teaching, learning, with engagement through active-learning and related academic initiatives
- Provided with curricular support for our traditional courses and environments
- Conducting research in education to support arts education, science education and engineering education
- Positioning the institution as a leader in efforts to advance

engaged teaching and learning

Facilities: VEDIC has an air-conditioned 125-seating capacity auditorium with all amenities, a 45-seating capacity interactive studio, lush green lawns, a dining and a kitchen, 14 furnished air-conditioned, double room accommodation, 2 suite rooms with 3-star facilities, a library, a discussion room, a playground and an indoor sports room with all sports equipment with a Physical

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- In line with the new education policy, Webinars/Seminars/Workshops will be organized to promote quality education.
- Encourage faculty members to apply for more sponsored research projects from DST/AICTE/UGC.
- Motivate the faculty members to publish quality papers in SCOPUS/SCI indexed journals and enhance the citation index.
- Enhance outreach activities with the help of NSS Units and Unnat Bharat Abhiyan schemes
- Students and Faculty members will be encouraged for collaborative research with the reputed institutions within the state.
- Soft Skill Training from the second year of the study to increase employability opportunities.
- More activities will be taken up under Entrepreneurship Development Cell to expand the scope of new start-ups.
- Initiate the activities under the AICTE-IDEA lab in the Institute to fulfill the dream of India towards self-reliance.