



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN

BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN, 8-5/4, RAJIV
GANDHI NAGAR, BACHUPALLY, MEDCHAL- MALKAJIGIRI DIST.

500090

www.bvrithyderabad.edu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

BVRIT HYDERABAD College of Engineering for Women(BVRITH) was established by Shri KV VishnuRajuGaru, to fulfill the vision, “Women Empowerment”, of his grandfather Padma Bhushan Dr. BV RajuGaru, under Sri VishnuEducationalSociety (SVES) in the year 2012. It is the youngest offspring of SVES and one of the youngest colleges in the state of Telangana. The Institute is duly approved by AICTE and the Government of TelanganaState, and is affiliated to JNTUH, Hyderabad.

BVRITH started with an intake of 240 students in four engineering programmes EEE, ECE, CSE , IT . In the AY 2014-15, the intake was increased to 360 , later 480 students, with EEE-60, ECE-120, CSE-180 and IT-120 from AY 2019-20.

In spite of being the youngest college, it became one of the first choices for the aspiring students , because of the following:

Milestones

- BVRITH is ranked **147 in NIRF** among all EnggColleges in India
- All the four programmes (EEE, ECE, CSE & IT) are **Accredited by NBA for 3 years** from the academic year 2018-19, within six years of inception.
- BVRITH is the only Engineering College from Telangana, recognized for “**Best Practices in AICTE Approved Institutions**” by AICTE in 2018.
- The college is recognized at National level by “**IMC Ramakrishna Bajaj National Quality Award**” for Quality in Education.
- Other awards also include “Learning Innovation Award” by TalentSprint, “Top 20 Performing Colleges” by IBM for TGMC, “Deewang Mehtha Education Leadership Award” by IPE, “Best Emerging College in Telangana 2018” by StumagZ and many more.

Differentiators:

- "WISE" programme prepares the students Industry-Ready by the people from software sector.
- First college in AP &TS states to initiate Mentorship programs with Top most MNCs like Microsoft, Amazon, QualComm, etc.,
- Two gold medals from affiliating university for two consecutive years
- Encouragement and support to the students to participate in global competitions like “World Skill Competition”, “Google Summer of Code”, “Hackathons” and many more.,
- 100 % Placements for all eligible students

As a whole, BVRITH is a family of aspiring students, supportive parents, committed faculty members, dedicated staff members and visionary management, working together to make a difference in the field of education.

Vision

To emerge as the best among the institutes of technology and research in the country dedicated to the cause of promoting quality technical education.

Mission

At BVRITH, we strive to

- Achieve academic excellence through innovative learning practices.
- Enhance intellectual ability and technical competency to have successful career.
- Encourage research and innovation.
- Nurture students towards holistic development with leadership skills, life skills and human values.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Visionary Management, Committed Staff and Motivated students.
- Good academic culture, ambience and working environment.
- Student centric teaching-learning integrated with mentoring/counseling.
- Providing scope for all-round development of personality of the student through Sports and Extra-curricular Clubs.
- Qualified and experienced faculty & staff.
- The administrative and management policies are well established and operative effectively.
- Innovation in Teaching and Learning through VEDIC –Vishnu Educational Development and Innovation Centre.
- Mentorship with Microsoft, Amazon & QualComm .
- Differentiators such as WISE, ATL and IoT maker space.
- Participation in international and national competitions.
- In-house hostel facility.
- Wi-Fi enabled campus with uninterrupted internet connectivity.
- Strong industry & institute interaction - 31 MoUs with premier industries and academic institutions.
- Vibrant Training and Placement Cell with liasoning offices at Hyderabad, Chennai, Bangalore, Pune & Baroda to get internships and placements. Excellent Placement Records.
- Strong Alumni connect.
- Excellent central library including digital library.
- Strong mentoring mechanism by Professional Psychologist & faculty members.
- Institute location is accessible to all the Stakeholders.

Institutional Weakness

- Lack of land for future expansion of the campus.
- R & D and consultancy activities are limited and research culture needs to be strengthened.
- Less number of faculty members with Ph.D.

- Lack of autonomy to introduce new courses.
- PG programmes yet to be offered.
- Yet to strengthen the 'Start-ups' culture.

Institutional Opportunity

- Close proximity to premier institutes for collaborative R & D Projects, academic interaction, student internships etc.
- Close proximity to IT Hub to maximize Internship and Placement opportunities.
- Ample opportunities to get grants from funding agencies as all programmes are NBA accredited.
- Potential to pursue Doctoral and Post Doctoral research for the faculty members due to MoUs with foreign universities.
- To motivate students in becoming effective and individual entrepreneurs with encouragement given by the Educational institution/MHRD Initiatives.

Institutional Challenge

- Continuous competition from the nearby established public and private institutions.
- Inspiring students & parents, to undertake and accept, the increased academic rigor and higher standards, so as to prepare them for more challenging careers in the industry and R&D organizations.
- Balancing teaching quality with research.
- High variance in student ability and expectations.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

BVRIT HYDERABAD College of Engineering for Women (BVRITH) follows the curriculum offered by the affiliated university, JNTUH, Hyderabad. The affiliated university introduces new courses and makes changes in the curriculum frequently. All the programs offered in the college uses choice based credit system (CBCS) and Elective course system. Exam assessment is made using grading system.

The college follows well-defined and systematic process for the delivery of the content. Department's Academic calendar is followed strictly. Course plans are prepared and disseminated to the students at the beginning of the semester. The progress of the students is closely monitored through internal assessments and informal methods.

Some of the faculty members represent the Board of Studies (BoS) and Academic Council of University and Autonomous Colleges.

Number of students is actively participated in the certificate programmes, boot camp programs, workshops, training programmes and value added programs to enhance their skills in the emerging technologies and in life skills for holistic development.

The students also trained in the cross-cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics as part of the curriculum and also through talks, guest lectures, presentations by the peers and activities.

The third and final year students are encouraged to take internships and field projects in the industries. The college also encourages the students to take mentorships offered by Amazon, Microsoft and Qualcomm.

Twice in a semester, the feedback is collected from the students on teaching learning through CRC meetings and online. The feedback is analyzed and if required, necessary actions are initiated.

Teaching-learning and Evaluation

The Institute follows the admission procedure as per the guidelines given by the Government of Telangana. The students from various categories are admitted as per the reservation policy of government. The average percentage of students enrolled in the institute against the sanctioned seats during the last 5 years is 93.59 whereas the average number of seats filled against the seats reserved for various categories is 93.84. The average percentage of students enrolled from other states during the last five years is 5.43.

The institute believes that the well qualified and experienced faculty members are its biggest asset. Hence, the institute maintains a very good student-faculty ratio by recruiting well qualified and experienced faculty members. The average student-faculty ratio of last five academic years is 14.42. The average percentage of faculty members with Ph.D during the last five years is 21.66 and the average experience of faculty members in current year is 10.26 years.

The institute follows a concrete teaching-learning process with effective implementation of student centric pedagogy. The faculty members are encouraged to use ICT tools and innovative methods for improving teaching-learning process. The percentage of teachers using ICT in current year is 88.89.

A cordial relationship is built between the students and faculty members by assigning a maximum of 20 students to each faculty member for mentoring. The mentor helps students in academic and stress related issues besides a professional in-house counsellor, a psychologist. The Institute has a well defined mechanism for identifying and supporting the slow and advanced learners accordingly.

All the programs of the institute prepare an academic calendar in line with the academic calendar provided by JNTUH and adhere to it for continuous internal evaluation. The process of internal evaluation is transparent and robust.

As the institute follows the outcome based education, Course Outcomes (COs) for all the courses are defined by each program for the curriculum provided by the JNTUH. The Program Educational Objectives and Program Specific Outcomes (PSOs) are defined by each program besides the Program Outcomes (POs) provided by NBA. A well defined process is used for the assessment of POs and PSOs.

Research, Innovations and Extension

BVRIT HYDERABAD College of Engineering for Women (BVRITH) has been eventually progressing towards research with funded projects of worth Rs. 156.89 Lakhs from various Government and Non-

Government sources.

The College has created an Innovation Eco system and established various special labs like Assistive Technology Lab, IoT Maker Space Lab etc. to cater the needs of faculty members and students in developing various innovative Products / prototypes to serve the society and compete in various competitions related design and Hackathons.

The programs related to IPR are conducted to create awareness and also to have knowledge on patenting. Considerable number of programs related to Industry – Academia is conducted to train the faculty members and students on latest technologies. The college has more than 30 MoUs with various organizations for innovation, training and placements

Faculty members are encouraged to have publications regularly in standard journals and conferences. Best student projects are encouraged to publish papers. Institute encourages the faculty members for receiving the awards and recognitions by providing incentives and appreciation letters. The Institute has a code of ethics to check malpractices and plagiarism in research.

BVRITH extended its wings to serve the community through its NSS wing – BVRITH for the people and received 50+ appreciations / awards for the service rendered from various organizations. Many students and faculty members contribute voluntarily to the society by various means.

Students of BVRITH carried out internships and mentorships in various Top MNCs like Amazon, Microsoft, Qualcomm, Adobe, HP etc. Students are exposed to the industries regularly through Industrial visits.

Infrastructure and Learning Resources

BVRITH is situated on a sprawling lush green campus of 6.125 Acres. The College consists of total 24 classrooms, 30 laboratories, 3 seminar halls, central library, open auditorium, canteen, food stalls, sickroom, parent lounges, stationery shop and playground. All the classrooms are equipped with ICT facilities like LCD/LED Projector, Laptop, Audio System, Internet Connectivity, LMS, Notice Boards and class room Library. Each laboratory is equipped with sufficient number of experimental setups.

The Internet Bandwidth is gradually increased from 10 Mbps to 220 Mbps. Overall network usage is monitored and unwanted network traffic is filtered earlier through Sophos xg330 firewall. The Institution has two high-end rack servers of IBM and Lenovo with a speed of 12 Gbps.

The Library is located in Ruby Block, a multi-stored building with carpet area of 392.2 sq. m. The library is open to all students and faculty members during all working hours and the beyond also. The Library was automated in the year 2012 with ECAP Software. All the transactions in the Library are done through ECAP Automation Software. Reprographic facilities are available in the library. It has a vast collection of over 19663 volumes, and 2573 titles & subscribes to 60 Journals & Magazines. The total seating capacity of the library is 150.

The Institution has a sports complex with one acre playground for outdoor sports like Athletics, Football, Badminton, Volley ball, Basketball, kho-kho, Shuttle, Kabaddi, Shot-put, Discus throw and track events. The institution has indoor games like caroms, chess, Table Tennis etc. Professional training is provided to the interested students in these activities and games by coaches.

College has a site engineer and maintenance Engineer to render the technical assistance for construction, building maintenance and repairs. System Administration team takes care of the maintenance of computers, LCD/LED Projectors, Printers, CCTV Security System and the networking. Electrical Supervisors monitor the electrical maintenance on daily basis.

Sports amenities such as playgrounds, courts and Indoor stadium are under the control and maintenance of physical directress. The maintenance of gardens, Tree plantation, and Landscape maintenance is done by gardeners under guidance of professional horticulturalist.

Student Support and Progression

Institute has a well established student support system for financial assistance, capability enhancement, progression, Alumni engagement etc.

Students are informed about various government scholarships like BC, SC/ST, EBC, AICTE Pragati & PM scholarship schemes. Average percentage of students benefited by scholarship & free ships provided by the government during the last five years is 41.66

Meritorious and economically backward students are benefited through various Non-government agencies/Firms/NGOs like Santoor Scholarship from WIPRO, Kiran Girls Scholarship from Persistent, Medha Sampurna Siksha scholarship from Potukuchi Somasundara Social Welfare and charitable trust. Institute also provides fee concessions. (1.25%)

Institute has a robust system to provide support for overall development of the students by conducting various programs like competitive examinations training, Career counselling, Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga and meditation Personal Counselling. Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years is 73.98

In order to maintain harmony in the campus Grievance cell is constituted for the redressal of the problems reported by the students either through ECAP or in writing dropped in the complaint box. The committee resolves the issues and ensures it to be solved within a maximum period of 10 days.

College has a separate training & placement department, under the guidance of central T&P (Training and Placement) cell. Most of the students are placed in multiple companies with various pay packages. Average percentage of placements of outgoing students during the last five years is 74.25. The percentage of students of progression to higher education (previous graduating batch) is 3.8. Average percentage of students qualifying in state/national/international level examinations during the last five years is 80%.

Students participate in intra and inter-institutional sports and cultural competitions. Institute and Sri Vishnu Educational Society (SVES) regularly engage with its alumni through alumni meets.

Governance, Leadership and Management

BVRIT HYDERABAD College of Engineering for Women (BVRITH) to achieve the vision and mission, has been practicing decentralization of power and participative management in its entire academic, finance and administrative affairs from its inception.

The college has a well-defined organogram with Board of Governors (BoG) as the highest decision making body. The BoG makes recommendations for the improvement and upgradation of the existing academic, administrative and infrastructure affairs. Principal is the chairperson of all the administrative and academic activities in the college, supported by Vice-Principal.

BVRITH has a futuristic strategic plan prepared for 10 years with clearly formulated objectives in line with the vision and mission.

The events conducted in the college involve various committees and cells. The chairpersons of the committees ensure the necessary works are done in stipulated time by assigning the tasks and monitoring the same.

The college implements the e-governance in the areas of Planning, Administration, Student support using Engineering College Automation Package (ECAP), Finance using PACT software and Examinations with ECAP and JNTUH University portal for smooth functioning of the system.

The institute strongly believes that the welfare of the staff always leads to success of the Institution. Hence various monetary and non-monetary measures are being taken for the personal and professional growth.

On average about 43% of the faculty members are provided with financial support to attend conferences & workshops and 57% of the faculty members have attended professional development programs. The college follows a structured appraisal system for both teaching and technical staff.

The financial management of the institution is achieved through internal and external audit. The internal audit is conducted on quarterly basis and the external audit is conducted once in a year to prepare and approve the balance sheet after due verification.

IQAC of BVRITH was formed on 01-12-2018, to improve the quality of the system and to regularly monitor outcomes as per the strategic plan. There is incremental growth in the areas of academics and administration.

Institutional Values and Best Practices

BVRITH follows rich Institutional values and Best practices. The talks, seminars, guest lectures and competitions are organized to the students to educate them on Importance of Indian Constitution, rights, duties & responsibilities and preservation our culture & heritage.

The organization works with a mission towards women empowerment, there by taking every step needed to realize the same. The gender specific facilities have been deployed for safety, security and well-being of students and staff.

Inspired by Swachh Bharath, a flagship initiative of Government of India, the college took several initiatives to properly dispose waste and maintain eco-friendly environment in and around the campus. The students prepare eco-friendly idols of lord Vinayaka on the eve of the Vinayaka Chavithi and distribute them to staff and to the local community. Students also prepare eco-friendly Rakhis and friendship bands also.

Utmost care is taken for water conservation at the campus this is carried out with the help of rain water harvesting pits that were dug around the campus. Waste water from RO plant is used for gardening purpose and any left-over water is redirected to water harvesting pits.

The college has implemented green-friendly practices to manage the available resources and has taken steps in environmental conservation and protection. As part of Haritha Haram a flagship initiative of Government of Telangana, the college NSS volunteers are actively involved in various pollution awareness programs in and around the college and help in maintaining greenery.

The College provides opportunities to the differently abled students to access the benefits, rights and privileges of services, programs and activities conducted in college. The college promotes Human values, Universal values and Professional Ethics through various activities and also organizes national festivals, Birth/Dead anniversaries.

As the college is located in the city, it has some locational advantages and disadvantages and the institution takes specific initiatives to address these advantages and disadvantages and also contributes to the local community with various programs.

The institute maintains complete transparency in its financial, academic, administrative and auxiliary functions. The best practices will place the institution distinctive from other institutions.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN
Address	BVRIT HYDERABAD College of Engineering for Women, 8-5/4, Rajiv Gandhi Nagar, Bachupally, Medchal- Malkajigiri Dist.
City	HYDERABAD
State	Telangana
Pin	500090
Website	www.bvrithyderabad.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	K V N Sunitha	040-42417773	9949402211	-	principal@bvrithyderabad.edu.in
Associate Professor	R S Murali Nath	040-4241772	9848091992	-	muralinath.rs@bvrithyderabad.edu.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	For Women
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

Date of establishment of the college	10-05-2012
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University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Telangana	Jawaharlal Nehru Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	25-04-2019	12	AICTE approved for one hundred and eighty seats for ECE and IT but the affiliating university sanctioned one hundred and twenty for IT and ECE

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes autonomydoc_1569297454.pdf
If yes, has the College applied for availing the autonomous status?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	Yes
If yes, name of the agency	MHRD NIRF
Date of recognition	30-09-2018

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	BVRIT HYDERABAD College of Engineering for Women, 8-5/4, Rajiv Gandhi Nagar, Bachupally, Medchal-Malkajigiri Dist.	Urban	6.125	14380

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Cse	48	Intermediate	English	180	180
UG	BTech,Ece	48	Intermediate	English	120	120
UG	BTech,Eee	48	Intermediate	English	60	45
UG	BTech,It	48	intermediate	English	120	120

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	11				24				65			
Recruited	5	6	0	11	11	13	0	24	29	36	0	65
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				26
Recruited	15	11	0	26
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				30
Recruited	21	9	0	30
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	5	6	0	4	4	0	4	2	0	25
M.Phil.	0	0	0	0	0	0	0	1	0	1
PG	0	0	0	7	9	0	25	33	0	74

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

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

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	6		1		7

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
		UG	Male	0	0	0
	Female	1493	164	1	0	1658
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	0	0	0	0
	Female	48	45	48	51
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	17	15	14	20
	Others	0	0	0	0
OBC	Male	0	0	0	0
	Female	155	140	156	133
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	199	202	184	192
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		419	402	402	396

3. Extended Profile

3.1 Program

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

Response: 340

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4	4	4	4	4

3.2 Students

Number of students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1557	1539	1405	1241	849

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2018-19	2017-18	2016-17	2015-16	2014-15
215	182	202	187	149

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2018-19	2017-18	2016-17	2015-16	2014-15
387	390	258	229	1

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

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

2018-19	2017-18	2016-17	2015-16	2014-15
108	118	122	98	69

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2018-19	2017-18	2016-17	2015-16	2014-15
108	118	122	98	69

File Description	Document
Institutional Data in Prescribed Format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 27

Number of computers

Response: 663

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

2018-19	2017-18	2016-17	2015-16	2014-15
1306.39	1164.63	920.28	696.21	1184.1

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

The curriculum prescribed by the affiliated university is observed strictly. Apart from this prescribed curriculum, the College has designed ways and means to reinforce the teaching-learning process. The curricular planning and implementation is performed in a systematic way by Department Academic Committees as:

- **Preparation of Academic Calendar:** At the beginning of each academic year, each department prepares academic calendar incorporating curricular, co-curricular and extra-curricular events in alignment with the college academic calendar.
- **Library Upgradation:** The library is informed of required text books, reference books and e-journals for the forthcoming academic year.
- **Course Allocation:** Courses are allocated to the faculty members based on their preferences by the course allocation committee and approved by department academic committee.
- **Timetable Preparation:** Time tables for class-wise, also includes Value-Added Programs, Seminars, counseling sessions, club activities, library and sports. Time tables for lab-wise are prepared incorporating individual lab courses. Individual time tables are prepared for each faculty member reflecting the work load. All these time tables are prepared by Time Table Committee.
- **Design and Dissemination of Course Plan:** Each faculty member prepares detailed course plan including the text book(s), reference book(s), web resource(s) and ICT tool(s) to be used for each topic. It also includes the topics to be covered beyond the curriculum which is then disseminated to the concerned students after approval.
- **Preparation of Course file:** Each faculty member prepares the course file by including the time table, course plan, course outcomes, mapping of course outcomes with program outcomes & program specific outcomes, attainment levels and targets, identified curriculum gaps, corrective actions, materials module-wise, handouts, previous question papers and previous performances. After the semester, it is updated with analysis of students' feedback, attainment of COs, POs & PSOs and Justifications for nonattainment of COs, POs and PSOs (if any).
- **Content Delivery:** New and innovative teaching techniques, in addition to the traditional lecture method are adopted to deliver the content. Employing of learner-centric techniques such as peer learning, collaborative learning, group discussion, video lectures, chart preparation, role play, quiz etc., encourages students' active participation.
- **Reviews:** Periodical review on the coverage of syllabus and regularity of the students is performed by the Head of the department. The class review committee, consisting of Head of the Department, concerned faculty members and six student representatives, reviews the coverage of syllabus and suggestions are invited for the improvement of teaching-learning process.

- **Assessments:** As per the regulations of the affiliated university, the assessment is in two ways:

1. Internal Assessment (25 Marks): There are two internal assessment tests, the first one after eight weeks of the commencement of the semester and the second at the end of the classwork, i.e., after sixteen weeks.

The internal assessment includes descriptive test for 10 Marks, objective test for 10 Marks and assignment for 5 Marks. The descriptive and assignment papers are designed by including the concerned course outcomes and bloom's levels.

2. External Assessment (75 Marks): The external assessment is based on the semester end examinations conducted by the university.

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 41

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
11	13	6	3	8

File Description

Document

Details of the certificate/Diploma programs

[View Document](#)

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 3.88

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	0	1	1

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

<p>1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</p> <p>Response: 76.47</p>	
<p>1.2.1.1 How many new courses are introduced within the last five years</p> <p>Response: 260</p>	
File Description	Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Details of the new courses introduced	View Document
<p>1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented</p> <p>Response: 100</p>	
<p>1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.</p> <p>Response: 4</p>	
File Description	Document
Name of the programs in which CBCS is implemented	View Document
Any additional information	View Document
<p>1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years</p> <p>Response: 11.68</p>	
<p>1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years</p>	

2018-19	2017-18	2016-17	2015-16	2014-15
279	416	115	29	25

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document

1.3 Curriculum Enrichment

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

Response:

The curriculum offered by the university addresses the cross cutting issues like Gender, Environment and Sustainability, Human Values and Professional Ethics. The institute believes in maintaining healthy environment for all of its stakeholders.

Gender:

'Women empowerment' being one of the key initiatives taken up by the society/Govt. Keeping this in view JNTUH introduced a course "Gender Sensitization" to create awareness among students about sensibility with regard to issues of gender in contemporary India. The course also provides critical perspective on the socialization of men and women. It exposes students to debates on the politics and economics of work, to more egalitarian interactions between men and women. Sessions on gender help students attain a finer grasp of how gender discrimination works in our society and how to counter it. Emphasis is given to provide accounts of studies and movements as well as the new laws that provide protection and relief to women. Sessions also empower students to understand and respond to gender violence.

Apart from this the institution formed Grievances Redressal Cell to provide counseling, promote gender equity and also deal with related issues of safety and security of students and lady staff as well to dissolve discrepancies among students and staff.

Environment and Sustainability:

Environment protection is essential for the survival of human beings as well as other living beings. Protecting environment is the moral duty of every human being on this planet. The knowledge of conservation of lives and property during any natural or man-made disaster is essential to minimize the loss.

University prescribed course "Environmental Science/Studies", "Disaster Management" provides students understanding of ecological balance for sustainable development, impacts of developmental activities and mitigation measures and environmental policies regulations. Institution encourages and supports students

to go with plans of protecting environment like planting saplings, best out of waste and plastic free campus and training in first aid.

Human values and professional ethics:

Through the course “Professional Ethics” students will be able to know the importance of ethics in engineering profession. Students are able to understand the ethical dilemmas that they come across in their daily life. Different dimensions of ethics, professional risks, and professional accountabilities in engineering are discussed. Professional associations and their importance, norms of professional conducts and responsibilities of engineering profession are also dealt. Various real life case studies, case lets are discussed for better understanding of the subject professional ethics. Workplace rights and responsibilities in an organization and changing domains of ethics, ethics in changing domains of research for understanding and fostering responsible conducts in engineering profession is also discussed.

Ragging free campus is built by creating awareness among students. Undertaking from students and parents are taken during admission process. Anti-Ragging committee strictly discharges its duties throughout the academic year. Project reports and research papers are accepted only after thorough plagiarism checks. Activities under NSS play a major role in developing human values.

Various programmes are arranged by the Institution on human values.

File Description	Document
Any Additional Information	View Document

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 33

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 33

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document

1.3.3 Percentage of students undertaking field projects / internships	
Response: 7.58	
1.3.3.1 Number of students undertaking field projects or internships	
Response: 118	
File Description	Document
Institutional data in prescribed format	View Document

1.4 Feedback System

<p>1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise</p> <p>A.Any 4 of the above</p> <p>B.Any 3 of the above</p> <p>C. Any 2 of the above</p> <p>D. Any 1 of the above</p> <p>Response: E.None of the above</p>
<p>1.4.2 Feedback processes of the institution may be classified as follows:</p> <p>A. Feedback collected, analysed and action taken and feedback available on website</p> <p>B. Feedback collected, analysed and action has been taken</p> <p>C. Feedback collected and analysed</p> <p>D. Feedback collected</p> <p>Response: E. Feedback not collected</p>

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 5.43

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
143	108	68	41	24

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 93.58

2.1.2.1 Number of students admitted year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
419	402	402	396	380

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
432	432	432	432	408

File Description	Document
Institutional data in prescribed format	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 93.84

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

2018-19	2017-18	2016-17	2015-16	2014-15
189	173	195	179	140

File Description	Document
Institutional data in prescribed format	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

Response:

The majority of students admitted in first year are good rankers in TSEAMCET. A well planned orientation program is conducted to motivate them and familiarize them with the university curriculum and the resources available at the institute. The diploma students, admitted directly into second year through lateral entry are usually lacking in communication and computation skills. So, bridge courses on Mathematics, English and C programming are conducted to enhance their skills.

The college has embarked on a new initiative to determine Entry Skills of incoming first year students. They are administered diagnostic test to determine their strengths and weaknesses in various parameters as follows:

- Psychometric test – to test demographics, self-study skills, learning style, motivation style and digital literacy.
- English entry skills test – to test listening, reading, writing, speaking, vocabulary and grammar.
- Mathematics entry skills test – to test entry level mathematical skills for UG course.

The result of these tests helps faculty members to plan differentiated instructions to different section of students.

The institute adopted a well defined mentoring process where each faculty mentor is assigned with a maximum of 20 students. Through personal interaction, faculty mentors understand each student's strength, need, expectations and difficulties. It helps to counsel them accordingly. A counseling book for each individual student is maintained for four years to record the details such as attendance, marks, events that they participated, etc., along with mentor remarks. Besides this, various individual, group counseling sessions, workshops and awareness programs are being conducted by a professional psychologist within

the campus for personal grooming.

The slow and advanced learners are identified course wise based on their performance in internal examination of that course.

Initiatives for Assisting the Slow learners

- Tutorial/Remedial classes are conducted for some of the courses based on the requirement.
- Parent Teacher Meetings are conducted periodically to have interaction between faculty members and the parents to discuss about the progress of their wards and actions to be initiated, if any.
- Counseling with mentors and the professional counselor is arranged.
- Group activities are conducted in class rooms to improve their understanding.
- During project work, they are teamed with advanced learners for enabling the peer learning.

Initiatives for motivating advanced learners

- The advanced learners have a plethora of sources at the institute to explore their knowledge such as Project Lab, Assistive Technology Lab, IoT Maker's space, etc.
- Some of the labs are provided with advanced resources available, and are available even after the class hours to do research or projects.
- The students having orientation towards research are supported by faculty members to conduct their research in right direction and publish their work in National/International Conferences/Journals.
- The students are encouraged to do online certification courses like SWAYAM, MOOCs, Coursera, edX, etc.
- They are motivated and supported to attend conferences, workshops, project expos, hackathons and other prestigious competitions like Smart India Hackathon, World Skill Competition, GoogleSummerOfCode, etc., to exhibit their skills.
- Various incentive schemes are provided by the institute to encourage the student performers in different competitions.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 14.42

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process

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

Response:

Response:

BVRIT HYDERABAD College of Engineering for Women believes that effective learning happens with student centric methodologies. In view of this, various student centric methods are adopted in regular class hours for enhancing learning experiences.

Various Activity-based techniques adopted by the faculty members are listed below:

1. Team Based Learning

- **Chart Preparation** - Students are given a topic and asked to show their creativity in projecting the theme in the chart.
- **Role Play** – Act out or perform on a particular topic by taking role of a block, a parameter or a component.
- **Technical Dumb Charades** – Technical terms are demonstrated by actions. The students need to identify the term.
- **Group Discussion**- A group of participants are made to debate on a topic for a given time and are assessed accordingly.
- **Quiz** – A *quiz* is a form of game in which the players attempt to answer questions correctly.
- **Think-Pair-Share** – Students are paired to think about a topic, share their knowledge by discussing among themselves and present.
- **Mind- Mapping** - A *mind map* shows relationships among topics as a whole (Manual Mind Map & Digital Mind Map using Xmind and Freemind)
- **Scaffolding** –Team up an average and a below average student with top performer in learning.

1. Individual Based Learning

- **Techno Crossword** – It's like a crossword based on subject knowledge
- **Seminars** – Students are given a topic and asked to deliver a seminar on it
- **Pick a question** – Student will pick a topic and speak for a minute on the topic.
- **Plickers** - *Plickers* is a simple yet, powerful tool that allows teachers to collect real-time formative assessment data without the need of student devices.
- **Differentiated Instruction**- Different levels of questions given for different levels of learners.

1. Project Based Learning

Hobby Projects – Students are encouraged to do hobby projects in II year-II semester to have more hands-

on exposure.

To explore various student centric methods and develop new methods, a dedicated centre, called VEDIC (Vishnu Educational Development and Innovation Centre) was established by the society. The faculty members are trained in various programs offered by VEDIC for improving teaching learning process such as Scientific Educational Practices (SEP), Inspire Impact and Introspect (III), Think Technology and Transform (TTT) etc. These courses are designed exclusively to enhance the teaching learning process through student centric methods. Students also undergo various training programs designed to promote active learning practices to create innovative ideas in students to enhance self-learning. Following are the training programs offered to students at VEDIC.

- Intellectual Learning for Engineering Applications (ILEA)
- Career Aspirations in Science and Technology (CAST)

The description for various programs offered at VEDIC are given in additional information .

File Description	Document
Any additional information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 88.89

2.3.2.1 Number of teachers using ICT

Response: 96

File Description	Document
List of teachers (using ICT for teaching)	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 18.99

2.3.3.1 Number of mentors

Response: 82

2.3.4 Innovation and creativity in teaching-learning

Response:

Response:

To cater the needs of modern learners,

- Every classroom is provided with an LCD/LED projector, Internet facility, Laptop and Audio System to support presentations, video lectures, etc.
- Every classroom is provided with a classroom library which consists of textbooks for quick reference.
- Invited talks and seminars on latest technologies are being held regularly with the industry and academia experts.
- Collaborative learning strategies are implemented, involving students working together to solve a problem or complete a task.

Various instructional methods and pedagogical initiatives

The faculty members adopt various instructional methods to create the best learning environment for the students. These methodologies include chalk and talk, presentations, activities etc., wherein various concepts are explained with illustrations, design and problematic aspects.

i) Chalk and Talk

The chalk and talk is a conventional method of teaching that focuses on the delivery of the content using the blackboard.

ii) Tutorials

The tutorials are helpful to enhance the skills of the students through

- solving more number of problems
- working out previous university question papers/ GATE questions

1. Multimedia-based Delivery

The multimedia based delivery is helpful in illustration of ideas and concepts through

- Presentations
- Videos
- Simulations
- Animations

1. Laboratory Experiments & Demonstrations

- Students are taken to the laboratory for demonstration or experimentation to exhibit the practical usage of the conceptual learning. For example in the course IC Applications, the working of operational amplifier can be demonstrated with IC741.
- Experiments are normally done in groups thereby enabling collaborative learning among the students.

1. Activity-based learning

The institute supports innovative ways of thinking about teaching and learning using technology and encourages activity-based learning for improvement of teaching-learning process.

vi) Technology Enabled Learning

The institute emphasizes the role of technology in teaching-learning. So, the faculty members are encouraged to use ICT tools to create interest among students for improving the learning experience. Some of the tools used by the faculty members are given in the table.

S.No	Technology	Description
1.	Google Classroom , Edmodo	Learning Management System
2.	Edpuzzle	Video-based Assessment
3.	Quizlet	Assessment tool with engaging and customizable activities.
4.	ELab	An Auto Evaluation tool for the practice of programming
5.	Kahoot	Assessment Tool
6.	Plickers	Assessment Tool

The students of this institute are not restricted to the university curriculum. Their learning experience is improved by conducting guest lectures, training sessions by industry experts, seminars and hobby projects from the II year itself. The institute started an exclusive program called '**Women in Software Engineering (WISE)**' which is running alongside with the regular academic program to impart deep technology skills to the students. The programs such as SERVICE NOW-Academic Partner Program, NASSCOM-Talent Development Program, etc., ensure the students to become industry ready by the end of their academic program.

The sample screen shots of activities conducted are provided in additional information.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years**Response:** 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years**Response:** 21.66**2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
28	23	23	19	17

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document

2.4.3 Teaching experience per full time teacher in number of years**Response:** 10.26**2.4.3.1 Total experience of full-time teachers**

Response: 1108

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years**Response:** 18.45**2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
18	0	1	0	0

File Description	Document
Institutional data in prescribed format	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 57.9

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
60	66	70	60	41

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

Response:

BVRIT HYDERABAD College of Engineering for Women is affiliated to JNTUH, Hyderabad. Hence, the evaluation process is as per the regulations of the university. The evaluation process comprises of two components viz. internal evaluation and external evaluation.

For theoretical courses

- Internal evaluation is for 25 marks and external evaluation is for 75 marks
- Internal evaluation is based on two assignments and midterm examinations conducted for half of the syllabus in each.
- The average of the marks secured in two internal evaluations is taken as the final internal marks.
- The faculty members are strictly instructed to set the question papers and assignments with uniform distribution of the syllabus without compromising the quality.
- The question paper should address the course outcomes and Bloom's levels.
- External evaluation is completely by the university.

For Laboratory courses

- Internal evaluation is for 25 marks in which day to day evaluation is for 15 marks and internal examination for 10 marks.
- Day to day evaluation is based on the performance of each student in laboratory sessions in terms of conceptual clarity, experimentation and analysis.
- External evaluation is done at the end of the semester by an external examiner and internal faculty member handled the concerned laboratory course.
- It is a regular practice of the institute to conduct laboratory experiments beyond the syllabus to broaden the understanding of the course.

For Project works

- There are two types of project works as per the university curriculum viz. mini project and major project.
- Mini project should be carried out by the students in summer vacation after the completion of their third year. It is evaluated externally at the end of the IV year I semester. There is no internal evaluation for mini project, but regular reviews are conducted to monitor the progress.
- Major project is evaluated both internally and externally in IV year II semester.
- Internal evaluation is based on the progress and performance in two review meetings conducted by Project Review Committee (PRC) of the concerned department according to the defined rubrics.
- External evaluation is at the end of the semester by external examiner deputed by the university.
- To inculcate the project based orientation among the students, the institution instructed every department to make the students do hobby projects in II year.

For Seminar

- There is a seminar in IV year I semester, where each student should collect comprehensive information about an advanced topic in their respective program, present it in the department and submit a detailed report.
- The seminar evaluation is exclusively internal. It is evaluated by a committee constituted by a seminar coordinator, Head of the respective department and two senior faculty members using defined rubrics.

Besides following the guidelines of the affiliating university, the internal evaluation is a continuous process in the institute. Faculty members regularly conduct quizzes, seminars and group activities to evaluate the performance of the students. As the institute follows outcome based education system, at the end of each semester, the outcome of each and every course is analyzed for further action.

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety**Response:****Response:**

The Internal Assessment system is carried out in a systematic manner and is transparent. Theory courses, Laboratory courses, Seminars and Project works are evaluated internally.

During the induction program, the first year students are oriented by the personnel from the exam cell regarding the evaluation system(both internal and external). The changes in evaluation system, if any, are communicated to the students.

A detailed academic calendar is available on the website and notice-boards of the Departments. Thus, students know about the dates of examinations well in advance and they can plan their study accordingly. Students are made aware of various parameters of Internal Evaluation system. The internal marks are based on the mid tests and Assignments for theory courses.

Different faculty members may teach the same course for different section/branch students. In such cases, internal question papers for descriptive examination are collected separately from each faculty member and selected one among them before the start of the examination. The answer scripts of internal examinations are shown to the students after evaluation to bring out discrepancies, if any, to the notice of teacher concerned, and the necessary corrections are carried out.

For the Assignment test, five questions are given to each student well before the mid examinations. They need to refer various text books and other resources, answer them and submit to the respective faculty member before the commencement of mid exams. They are evaluated by the respective faculty members and shown to students to bring out discrepancies, if any, necessary corrections are made and marks are noted. The assignment scripts are returned to students for further reference.

In laboratory courses, day to day evaluation is done in each laboratory session and marks are posted in the students' observation book. The consolidated list of marks in each midterm exam is displayed in the notice boards and same is communicated to the parents.

Project work and Seminar evaluations are done by respective committees based on the rubrics defined by considering various parameters. The rubrics are informed well in advance to students at the beginning of the semester. After the evaluation, the marks are displayed in the notice boards for verification.

Sample internal marks sheet, day to day evaluation form of laboratory course and the rubrics for both Project and Seminar evaluation are provided as additional information.

File Description	Document
Any additional information	View Document

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

Response:

The Examination Cell consists of Principal (as Chief Superintendent), Examination In-charge and a Faculty coordinator from each department. The cell takes care of examination related grievances. Students/Faculty members can approach the Examination In-charge for any issues related to examinations. The cell conducts a meeting as and when required to resolve the issues.

The examination cell conducts internal and external examinations by strictly following the guidelines given by the university.

For smooth conduction of internal examinations, question papers are collected at least two days before the examination and are kept confidentially after verification by respective faculty members.

Any grievances related to university question paper like out of syllabus questions, repeated questions, improper split of marks, etc., are brought to the notice of Examination In-charge. After making proper analysis, the same is communicated to the university through the Chief Superintendent. University decision or information after resolving the grievances is intimated immediately to the concerned departments/Persons.

Redressal of grievances regarding evaluation in both internal assessment and university examination is through the following process:

Internal Evaluation

Internal evaluation process at the institute is transparent and robust to avoid any sort of grievances. The evaluated answer scripts are distributed to students in the class for verification. If any discrepancy is noticed, the faculty member resolves it by making necessary corrections or giving proper justifications and then the internal marks are displayed on notice board.

External Evaluation

External evaluation is done in the university by senior faculty members from the affiliated institutions. The results are announced by the university after completion of the evaluation. If any student is not satisfied with the result, she can apply for re-counting/re-evaluation within the specified time from the declaration of results through the examination cell. If the result of re-counting/re-evaluation is also not satisfied then she can apply for challenge evaluation, where the evaluation is done in the presence of student and internal faculty at University exam cell.

The examination cell is actively involved in dealing with examination related grievances. The letters related to examination grievances are sent to the Controller of Examinations, JNTUH immediately. If the response from university is delayed, a staff member is sent to the University to follow it up. Thus the examination related grievance Redressal mechanism is efficiently carried out by the institute's

examination cell.

Students write university exams in other college allotted by University. University also deputed an observer from other college to see that examinations are conducted as per norms of university. Any discrepancies found during examination like malpractice, will immediately informed to University by Observer. Our faculty also attends observer duty for other colleges.

Thus university exams are conducted efficiently to avoid any plagiarism or malpractice.

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

Response:

BVRIT HYDERABAD College of Engineering is affiliated to Jawaharlar Nehru Technological University Hyderabad, Hyderabad. The JNTUH sends an academic calendar before the start of every academic year. This calendar has the details of start and end dates of both even and odd semesters, dates of internal examinations and other major events.

The College Academic Committee (CAC), comprises of Principal of the college and all the heads of the different departments prepares a College Calendar with the details of proposed dates of institute level technical and non-technical events in line with the university academic calendar.

Each department prepares a department specific academic calendar year wise in line with JNTUH academic calendar and College Calendar of events. All the tentatively scheduled technical and non-technical events planned by the department are also included.

The institute adheres to the academic calendar for the conduct of continuous internal evaluation. All the affiliated institutes of JNTUH should conduct two internal examinations as scheduled by the university for half of the syllabus in each examination. The academic calendar is available on college website and displayed on notice-boards in the respective departments. The institute follows the time frame given by the university to conduct internal examinations, evaluation of answer scripts and submission of marks to the university.

All the faculty members prepare lesson plan to complete the syllabus according to the academic calendar. Class Review Committee (CRC) comprising HoD, course handling faculty and few student representatives of the class monitors the syllabus coverage as per the schedule. If any deviations are found, the concerned faculty member is guided accordingly.

To prepare the first year students examination ready and improve their confidence, a pre-final examination is also conducted. The tentative dates of the pre-final examination are also included in first year academic calendar. Few sample academic calendars are provided in additional information.

File Description	Document
Any additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

Response:

The curriculum for each program is provided by JNTUH, Hyderabad. As the college follows outcome based education, Course Outcomes (COs) are defined for all the courses in the curriculum by each department according to the following guidelines.

- The number of COs for theory course is 6
- The number of COs for laboratory course is 4
- The number of COs for project work/ technical seminar/ comprehensive viva is 5
- The COs of a course should cover the entire syllabus of that particular course

The Program Outcomes (POs) are defined by National Board of Accreditation, New Delhi and are to be fulfilled by all the programs in higher education. There are twelve POs defined by NBA and the institute follows the same. Program Specific Outcomes (PSOs) are defined by individual programs.

The POs, PSOs and COs are disseminated to all the stakeholders through various means. POs and PSOs are displayed on institute's website, various places of the campus like class rooms, corridors, Laboratories, Faculty rooms, etc., and printed on attendance registers, lab manuals, lab records, institute/department magazines, etc.

The following platforms are used to disseminate the POs and PSOs to the stakeholders.

- Induction Program / Orientation Program – Students and Parents
- Parent Teacher Meeting – Parents
- Campus Recruitment Drives – Employers
- Alumni Meet - Alumni
- Symbolically through Newsletters, Technical Magazines, etc., sent from college.

The COs are published on institute's website and disseminated to students through course coordinators and lesson plan.

The POs, PSOs of all the programs and COs of few courses of R16 regulations are provided in additional information.

File Description	Document
Any additional information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

Response:

The Course Outcomes (COs) defined by each department for all the courses are mapped to Program Outcomes (POs) and Program Specific Outcomes (PSOs). The assessment of POs and PSOs is done by both direct and indirect methods considering the attainment of COs.

CO attainment

Course assessment is done by considering direct assessment. The data is collected from the students' performance in both internal and external Assessments.

Internal Assessment

- Subjective test, Objective/Quiz and assignment for theory courses are conducted twice in a semester.
- Day to day evaluation and internal exam for practical/ lab courses in which the evaluation is done by the concerned faculty member.
- Project work internal evaluation is done by considering average performance in two project reviews by PRC consisting of head of the department, project coordinator, two senior faculty members and concerned guide.
- Technical Seminar is assessed by departmental committee consisting of head of the department, seminar supervisor and a senior faculty member.
- Comprehensive Viva-Voce is evaluated by committee consisting of head of the department and two senior faculty members of the department.

External Assessment

- The Semester End Examination (SEE) for theory courses is conducted by JNTUH.
- The practical/lab external examinations are conducted by the concerned lab internal faculty member under the supervision of external examiner and evaluated by the external examiner.
- Project work's external evaluation is done by the external examiner appointed by JNTUH.

PO and PSO attainment

PO and PSO attainment is calculated through direct and indirect assessments. In Direct method, The CO attainment values of all the courses are used to calculate the attainments of POs and PSOs using CO_PO and CO_PSO matrices. In indirect method, the attainment of POs/PSOs is calculated using:

1. Course End Survey(CES)
2. Graduate Exit Survey (GES)
3. Parents Feedback
4. Alumni Feedback

Course end survey is conducted for all the courses after completion of each course. Parents' feedback is collected once in a semester. Alumni feedback is taken during their visit to the campus and Graduate Exit Survey is done at the end of the program. The survey details and feedback are collected using predefined parameters on a 5 point scale: 5-Excellent, 4-Good, 3-Average, 2-Below Average and 1-Poor. PO and PSO attainments are calculated by considering a weightage of 80% for direct assessment and 20% for indirect assessment.

A well-defined process is available for calculating attainment of POs, PSOs and COs in the institute and is provided in additional information.

File Description	Document
Any additional information	View Document

2.6.3 Average pass percentage of Students

Response: 91.69

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 353

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 385

File Description	Document
Institutional data in prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.68

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 147.13

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
81.24	27.32	0	38.57	0

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.1.2 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.04

3.1.2.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 6

3.1.2.2 Number of full time teachers worked in the institution during the last 5 years

Response: 157

File Description	Document
Supporting document from Funding Agency	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

BVRIT HYDERABAD college of Engineering for Women (BVRITH) created a unique system from inception to develop products for differently abled people through Assistive Technology lab (ATL) in association with UMASS, Lowell, USA. In the year 2015, college established an IoT Maker Space lab with the facilities to develop prototypes. College is recognized by AICTE for its Best Practices in 2018 and regularly participates in ARIIA. Institute Innovation Cell (IIC), an initiation by MHRD is also established in 2019 to enhance the innovation culture in the campus. Faculty members have published three patents. College has MoUs with various industries to support innovation.

Unique initiatives to promote innovation are:

J-Labs

JNTUH, Hyderabad has launched a University-wide Innovation and R&D initiative called J Hub- JNTUH Innovation Hub, from the academic year 2017-18 & BVRITH is recognized as J-Lab. Every year, our students participate in various prestigious events viz., EXCITE – 6 week summer product engineering workshop, ENLITE – 2 week boot camp, IGNITE – 3 days entrepreneurship awareness program and Accelerator program. BVRITH received seed funding of Rs.15,000 for the products solar back pack and community compass. The team i-Nethra is selected as a finalist for accelerator program.

Assistive Technology Lab (ATL)

ATL was established for a noble cause of designing products by the students to benefit the differently abled. Student teams visit different NGOs /other organizations along with the faculty to identify their needs. They come up with innovative ideas, after brainstorming ,the solutions are provided as per the identified needs. These solutions are transformed into prototypes.

Every year, the developed prototypes are exhibited on the eve of International Day of Persons with disabilities on 3rd December in the campus and distributed to the customers. During the last five years nearly 50 prototypes and apps are developed. ATL also helps the students to compete regularly at national and international design competitions.

IoT Maker Space

It is one of the initiatives in collaboration with Telangana Academy for Skill and Knowledge (TASK) and Hyderabad Software Enterprises Association (HYSEA) with an objective of nurturing innovation in the students towards the societal needs. IoT Maker Space has specialized equipment viz., 3D printer, PCB machine, sensors etc. Around 30+ prototypes are developed.

Incubation Centre

Incubation Centre was started on 21st December 2013 to guide the students to transform prototypes into products, there by leading to start-ups.

EDC

EDC was established in the year 2015 with an aim to impart entrepreneurial skills among students through various awareness programs with the support of NSTEDB / J-Hub / T-Hub / NEN / A-Leap and other organizations. International Conference on Entrepreneurship and technology i-CET 2018 was conducted in March, 2018, in collaboration with American Business School, Paris.

Engineering Clinic

Well experienced technicians demonstrate the applications of theoretical concepts in day to day appliances like Mobile, Mixer Grinder, Fan, Tube Light, Microwave Oven, PC, laptop etc. They also train to test and repair the products.

File Description	Document
Any additional information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 75

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
19	20	20	11	5

File Description	Document
List of workshops/seminars during the last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.3.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years**Response:** 0.09**3.3.3.1 Number of research papers in the Journals notified on UGC website during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
14	20	10	4	3

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.4 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years**Response:** 0.95**3.3.4.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
22	32	22	14	8

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The BVRITH NSS club by name “**BVRITH for the people**” was started from the inception of the college, in alignment with the theme and motto of NSS.

This club sensitizes the students on societal issues through the following programmes:

- Swachh Bharath
- Environmental Consciousness
- Mental and Physical Health
- Service to Society
- Events /Celebrations

Swachh Bharat

The staff and students involve in

- Creating awareness among the community in and around Bachupally, on cleanliness, personal hygiene and differentiation of wastes, i.e., dry & wet wastes in the bins.
- Cleanliness in the campus by disposing the waste properly.

Environmental Consciousness

To have the pollution-free environment , contributed in

- Planting 250 saplings in and around Bachupally village as part of Harithaharam, every year.
- Conducting Eco-friendly Ganesh idol making competition every year and distribute them in and around BVRITH.
- Distributing around 100 solar lamps made by the students using plastic bottles for lightening the lives in slum area of Bachupally village under the event “Liter of Light”.
- Declaring campus as free from one time usage plastic items.
- Campaigning for Save Trees, Save Environment, Save Water etc.,

Mental and Physical Health

BVRITH always gives more importance to the physical and mental health of its members with a motto “Health is wealth”. The College

- Has appointed a regular Professional Psychologist from the inception to attend psychological needs of students, faculty & parents. Recently we entered into ASIA book of records on “largest mental health peer counseling for women” on 7th March 2019 with 1000 Students and 150 staff.
- Regularly conducts awareness programs related to breast cancer, first-aid, blood donation camps, organ donation, life saving skills etc in association with Indian Red Cross society, NIMS Hospital,

Thalassemia & Sickle Cell Society.

- Participates in 3K, 5K runs to create awareness about different types of cancers

Service to Society

The Students and staff actively contribute in serving the society in various ways:

- Teaching unprivileged students of Govt. School in association with Sahaya through NSS, Autistic children etc. In this connection, the college has received four awards on 30th March 2019 like Best Emerging Volunteer Award, special appreciation and Best College award and also 35 student service certificates from SAHAYA, an NGO.
- Regularly conducts DaanUtsav with an idea to give back to society.
- Organizes programs such as sensitizing on “good touch, bad touch”, personal hygiene to the local community.
- Visits Orphanage and old age homes on various occasions and donate clothes, distribute fruits and snacks.
- In “Wall of Kindness”, staff and students donate clothes,bags,shoes etc. unused items. They are distributed to the needy through NGO “Goonj”, a voluntary organization (<https://goonj.org>).

Events

The college also celebrates

- NSS day where students perform skits, dances etc to create awareness & to inculcate social responsibility.
- National festivals, Birth Days of renowned leaders, World disability day , Voters day, etc.,

The college participated in Bharatha Matha Maha Harathi program at Necklace Road held by Bharatha Matha Foundation, to evoke National integration and Patriotism.

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 1

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

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 55

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
19	13	9	10	4

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 48.95

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1221	717	573	379	411

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 27

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	7	4	4	7

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 31

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2018-19	2017-18	2016-17	2015-16	2014-15
13	7	3	4	4

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document

NAAC

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

BVRIT HYDERABAD College of Engineering for Women is situated on a sprawling lush green campus of 6.125 Acres.

The College provides resources and infrastructure for academic excellence categorized into:

(a) **Learning facilities** comprises of laboratories, class rooms, Library etc.

(b) **Support facilities** include hostels, seminar halls, waiting rooms, sick room, Parent Lounge, stationery shop, Kalavedika etc.

(c) **Utilities** like RO Plant, washrooms /restrooms, uninterrupted power supply (UPS), Power Generators, Yoga Hall and Gymnasium etc.

- **Class rooms:** The Institute has 24 classrooms with ICT Enabled facilities which include LCD/LED Projector, Laptop, Audio System, Internet Connectivity, LMS, Notice Boards and class room Library.
- **Seminar Hall:** The Institute has three Seminar Halls with ICT facilities, used for conducting trainings, State, National & International level events.
- The Institute has state of the art laboratories. Totally 30 different labs utilized by students to carry out regular academic practicals and projects even beyond working hours. All the laboratories provided Uninterrupted Power Supply (UPS).
- **VEDIC:** Vishnu Educational Development and Innovation Centre (VEDIC) is a unique residential campus established in 2016 with the vision to nurture and empower the faculty, staff and leaders as well as students in order to transform the educational experience to be relevant to the workplace of today and the future.
- In collaboration with TalentSprint, institute started an exclusive program “Women in Software Engineering (WISE)” that runs alongside with the regular academic program to impart deep technology skills to the students to make them industry ready.
- **The Business English Certificate (BEC):** To empower students to work or study globally, college have introduced certification course in Business English in association with Cambridge UK.
- The College has established NPTEL Local Chapter to empower the learners through MOOC platform. NPTEL courses are offered to the students as credit transfer course by the University. Voluminous amount of Video contents is available to the faculty members and students for the effective teaching.
- **Assistive Technologies Lab (ATL)** encourages students to develop applications/products for specially challenged people. Students have developed many products under ATL.
- **IoT Maker Space** launched in association with TASK & HYEА. The objective is to ensure overall development of a student in terms of technical skills, innovative thinking and developing prototypes, to become future entrepreneurs.

- **Research Lab:** To promote the research culture among the faculty and students, well equipped research lab is established. The lab contains high end computing machines, PCB Printers, 3D printers and other needed simulation software are available.
- **Computing facility:** College has 555 computing machines, 74 laptops and two high end Rack servers for the usage of faculty members and students. The campus has uninterrupted internet connection with the speed of 220 Mbps bandwidth. All labs are connected through fiber optical LAN. To overcome the security threat at Gateway level “Sophos XG 330” Firewall is available.

File Description	Document
Any additional information	View Document

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

Response:

The institution caters to the all-round development of the students by promoting and encouraging for Extra-curricular activities. Towards this, several facilities for sports & games, gymnasium and yoga classes are provided. The Institution has a sports complex with one acre playground for outdoor sports like Athletics, Football, Badminton, Volley ball, Basketball, kho-kho, Shuttle, Kabaddi, Shot-put, Discus throw and track events. The institution also provides facilities for indoor games like caroms, chess, Table Tennis etc. Professional training is provided to students interested in these activities and games by coaches.

Extracurricular activities – The College encourages and provides facilities for students to participate in outdoor games like Basket Ball, Volley Ball and Shot-put, Indoor Games like Chess, Caroms & Table Tennis.

The College has always created a mark in the field of sports. The students have been participating in various Inter-University, University level tournaments and National level competitions.

The institution has the following outdoor games facilities from 2014-2015

Name of the Sports	Availability
Shuttle Court	3
Tennikoit Court	1
Kho- kho Court	1
Volley Ball Court	1
Throw Ball Court	1
Basket Ball Court	1
200 Meters Track	1
Kabaddi	1

Sports hour is included in the time table which gives all the students an opportunity to avail the above facilities. The rate of usage of the sports complex is at an average of 100-120 students per day. A full-time qualified Physical Directress and 3 external professional coaches are available to train the students for the physical fitness and sports activities. A National Level Sports Meet-NYPUNYA is organized once in two years.

Gymnasium

An exclusive Gymnasium provides physical fitness and weight loss programs. It provides an arena for the physical fitness and the students who wish to maintain their general health. A number of ultra-modern equipment is available like Treadmill, exercise cycles, fold down weight bench, dumbbell, weights, skipping ropes and handgrips.

Yoga

Practicing yoga helps to engineer a deep lasting personal transformation. An exclusive facility is provided with a dedicated professional yoga teacher for training both the students and faculty members.

Cultural Clubs & Activities:

The institution offers a good opportunity for the students to come out with their talents in Dance, Music and Art. The Cultural Club organizes various cultural activities to make the students relax, enjoy and balance their leisure time. Programs are conducted to encourage the students' participation in cultural activities. The regular cultural activities conducted annually are Traditional Day, Fresher's Day, Annual Day and Women's Day. The college has KALAVEDIKA-an open auditorium for cultural activities. During all these occasions, several competitions like singing, dancing, instrumental music, rangoli, floral arrangement, mehendi, hair styling, etc. are conducted and prizes are awarded. Few Student-driven Clubs have been extended by Central Cultural Club-SAARANG.

The Clubs are as follows:

1. Photography Club-**Shutter Club**
2. Writer's Club- **Writing Unleashed**
3. Drama & Short Film Club- **Spotlight Productions**
4. Dance Club- **Vyna**
5. Music Club- **Sonata- Certificate Course-Instrumental-Trinity College of London**

The above facilities are also available to all students beyond the regular working hours of the institution.

File Description	Document
Any additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc**Response:** 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 27

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.**Response:** 9.17

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
103.4	119.93	109.18	86.61	39.39

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document

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

The Library of BVRIT HYDERABAD College of Engineering for Women is at Ruby Block in the campus. The library is a separate new multi-storey building with sufficient carpet area to cater the needs of the students and staff. The library is open to all students and staff during working hours and beyond. Reprographic facilities are available in the library. Reference books can be studied only in the library. The library is user-friendly to all students and faculty members. It has a vast collection of over 19,663 volumes,

and 2,573 titles and subscribes to 60 Journals & Magazines. The total seating capacity of the library is 150.

The Library was automated in the year 2012 with ECAP Software, Version 2.0. All the transactions in the Library are performed through ECAP Automation Software. The Online Public Access Catalogue (OPAC) is an online database of materials held by the library to search by author, title, subject and publisher. The library is equipped with the state- of-the art facilities where the students and the faculty members can make use of the available resources. Staff members, qualified in Library Science are dedicated to put their best efforts to satisfy the requirements of the students and faculty members. The Digital library is equipped with computers and high speed internet facility.

File Description	Document
Any additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

The Institution has the practice of make available the record of human knowledge and promotes the use of important collections of unique , primary sources and maintaining rare books, manuscripts, special reports to benefit students and faculty members for their knowledge enhancement, research and exploring new things apart from the regular books.

Details of Collection of some of the rare books, manuscripts, special reports are as follows:

AY	Acc No	Name of The Book	Name of The Author	Name of The Publisher	No. Cop
2013-14	R-1	Sri Chidambara Kshetra Mahatyam	Raghava Arya	Y.Sundaram Pillai	1
	R-2	Sri Maa Mahabharatam	Srimad Veda Vyasa Maharshi	V. Ramaswamy Sastrulu & Sons	1
	R-3	Sri Suryarayandhra Nighantuvu vol 4	Ramayya Pantulu, Jayathi	Telugu University	1
	R-4	Sri Suryarayandhra Nighantuvu vol 5	Ramayya Pantulu, Jayathi	Telugu University	1
2014-15	R-5	Dr. B.Pattabhi Sitaramayya A Political Study	Prasanna Kumar, A.	Andhra University Press	1
	R-6	Rabindranath Tagore (1861-1941)	Tagore, Rabindranath	Bibliothèque Nationale	1
	R-7	Sri Bhagvad Gita	Sri Ramachandrananda Saraswathi	V. Ramaswamy Sastrulu & Sons	1
	R-8	Dinacharya Saswaroopa Sandhanam	Makham Thimayya Sethi	Srimad Geethalaya	1
2015-16	R-9	Bhagavad-Gita: An Exposition	Vasant G Rele	D.B.Taraporevala Sons & Co.	1

	R-10	Indira Gandhi: In The Peoples Court	Telang, Padmanabha	Sadhna Press	1
	R-11	Nishada Kavyam	Sri Harsha	V. Ramaswamy Sastrulu & Sons	1
	R-12	Bhadrachala Ramadasu Charitra	-	S.V.Gopal & Co.	1
	R-13	Gandhiji : a Study	Mukerjee, Hiren	People's Publishing House	1
2016-17	R-14	Srimad Bhagavatam - Vol – 1	Krishnamacharya,Ekkirala	The World Teachers Trust Publication	1
	R-15	Sri Madhaandhra Bhagavatam vol 1	Potha Raju, Bammera	Vavilla Press	1
	R-16	Vasucharitra	Ramarajabhushanadu	Andhra Pradesh Sahithya Academy	1
	R-17	The Epic Muse: The Ramayana and Paradise Lost	Ramakrishnan,S.	People's Publishing House	1
	R-18	Vande Mataram to Jana Gana Mana	Desai,V.H.	Bharatiya Vidya Bhavan	1
	R-19	Palmistry for All (PocketBook)	Cheiro	Herbert Jenkins Ltd.	1
2017-18	R-20	Adtyaramayam	C.Sundararama Sastry	V. Ramaswamy Sastrulu & Sons	1
	R-21	Sundara Kanda	C.Sundararama Sastry	V. Ramaswamy Sastrulu & Sons	1
	R-22	India And The Awakening East	Roosevelt, Eleanor	Harper & Brothers	1
	R-23	Collins Gem Dictionary of English Usage	Butt, Margot	William Collins Sons & Co.Ltd.	1
2018-19	R-24	Tenugu -English Dictionary	Brown, William	Cultural Books Ltd.	1
	R-25	Gitanjali	Tagore, Rabindranath	Macmillan & Co Ltd	1
	R-26	55 Short Stories From The New Yorker	-	Victor Gollancz Ltd.	1
	R-27	Srimad Bhagavad Gita	-	Sri Srinivasulu Ashrama	1
2019-20	R-28	India Meets China in Nepal	Jain, Girilal	Asia Publishing House	1
	R-29	Sri Bhagvad Gita Sthula Aksari	Vidyaprakashanandagiri Swamy	Sri Sukabrahmashram	1
	R-30	Nitya Karma Ashtakam:sasavandhra prayogam	Markandhyasarma,Kanuparti	Bodapatti Sitaramanujaya	1

Special Reports Available:

1. The Andhra Pradesh Reorganisation Act, 2014 No. 6 Of 2014
2. Executive Summary of Draft EIA&EMP for Kaleshwaram Project, Telangana State
3. Report of the Comptroller and Auditor General of India on National Projects

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 14.32

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
12.85	17.03	12.08	12.03	17.60

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 12.19

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 203

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

To keep abreast with technologies, institute periodically updates its computing resources. All the computing labs are connected through underground fiber optic network. The campus is provided with uninterrupted internet connectivity. The campus-wide connectivity is incrementally provided by installing sufficient number of Wi-Fi access points and switches over a period of time.

The Internet Bandwidth is gradually increased from 10 Mbps to 220 Mbps from the inception to till now, to cater academic & research needs in the Campus. Web mail service from Google is offered to students and staff members for official communication.

The overall network usage is monitored and unwanted network traffic is filtered earlier through Cyberoam firewall CRI-500ING and currently using Sophos xg330 firewall.

The Institution has two high-end rack servers by IBM and Lenovo with the speed of 12 Gbps. The IBM

X3650 M4 Server 791514A was installed in the AY 2012-13 and to meet the increasing computing requirements, the second server, Lenovo X3650M5 Server 8871PEA was installed in the AY 2017-18. Video Conferencing and lecture capturing system facilities are available in the institute.

The upgradation of computer systems is taken up periodically and new computers are also added to meet the academic & research requirements. The printers and scanners are also upgraded along with new additions to the laboratories, office, library and departments.

The Institute encourages the use of open source softwares for computing, teaching, learning, and research activities.

The institute is under video surveillance with CC Cameras for safety and security. The number CC cameras are gradually increased from 16 to 26.

File Description	Document
Any additional information	View Document

4.3.2 Student - Computer ratio

Response: 2.35

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes	
File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Any additional information	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years				
Response: 72.3				
4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)				
2018-19	2017-18	2016-17	2015-16	2014-15
1127.59	1012.09	786.05	511.42	348.29
File Description		Document		
Details about assigned budget and expenditure on physical facilities and academic facilities		View Document		
Audited statements of accounts.		View Document		

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.
Response:
Physical Facilities:
College has a site engineer, maintenance engineer and a supporting team to render the technical assistance for construction, building maintenance and repair. They take care of painting, repair flooring, plumbing work, electrical and air-conditioning under the supervision of skilled technicians.
Laboratory Maintenance:
All the equipments and machinery of the laboratories are periodically maintained by the lab technicians. If the equipment is to be serviced during the warrantee period, the supplier of the equipment is informed about the repair and it is serviced either in-house or in the supplier premises based on the nature of defect.

After warranty period, the technical staff attached to the respective laboratory, services the equipment to the extent possible. The Laboratories maintenance of the machines and Mechanical / Electrical equipment are done periodically. A Breakdown Register is maintained in the laboratories. As per the requirement, minor repairs are carried out by the lab assistant of the specific laboratory.

Computer and Accessories Maintenance

The System Administration team takes care of the maintenance of computers, LCD Projectors, Printers and the networking. They also maintain Internet utilisation, firewall maintenance and CCTV Security Systems. The service and maintenance of the systems are done on regular basis.

Electrical Maintenance

- Each department lodges a complaint about the electrical maintenance work and give their requirement of electrical appliances to the Administrative officer.
- Skilled Electrical Supervisors will monitor the electrical maintenance on daily basis.
- The college has a 34KWP solar plant which is maintained by the Department of Electrical and Electronics Engineering.

Library:

Library updates its books repository on a yearly basis as per the requirements from the academic departments. The requirements from the students and faculty members are also collected in the prescribed format for books to be procured, outside the curriculum. The Library committee meets once in a semester to discuss and approve the procurement of books based on the requirements. To create good interest in reading every month fiction and nonfiction books worth of Rs.3000 are procured as per recommendations of student and faculty members.

Sports Complex Maintenance and Utilization

- All Sports amenities such as playgrounds, courts and Indoor facilities are under the control of physical directress. She focuses on maintenance of the track and field regularly with supporting staff.
- The maintenance of the Courts is done regularly. Students receive the sports kit from the physical education department for practicing by entering their name and roll number in material issue register and after completing the practice session the student returns the same in physical education store room.

Other Maintenance Activities:

- Maintenance of gardens, plantation, landscape maintenance done by gardeners under guidance of professional horticulturalist.
- Maintenance of Lift is done by the service provider.

- The intercom facility is regularly maintained.
- Fire extinguishers are maintained and mock drills are conducted.
- Cleanliness of class rooms, corridors etc., are maintained by the housekeeping staff.

Stock verification is done at the end of every year by the faculty members deputed by the Principal as internal auditors. The verification report will be submitted the Principal.

NAAC

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 41.66

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

2018-19	2017-18	2016-17	2015-16	2014-15
722	636	596	491	328

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 1.25

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
32	22	18	11	5

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	View Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 73.98

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

2018-19	2017-18	2016-17	2015-16	2014-15
1123	1161	1018	869	678

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during

the last five years**Response:** 0**5.1.5.1 Number of students attending VET year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Details of the students benefitted by VET	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**Response:** Yes

File Description	Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression**5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 74.25**5.2.1.1 Number of outgoing students placed year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
237	235	196	169	1

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 3.88

5.2.2.1 Number of outgoing students progressing to higher education

Response: 15

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 80

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
27	36	15	22	0

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
27	36	15	22	0

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

5.3 Student Participation and Activities

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

Response: 27

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

2018-19	2017-18	2016-17	2015-16	2014-15
6	6	5	5	5

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

BVRIT HYDERABAD College of Engineering for Women believes in providing an environment conducive to educational and personal development of students. Their active involvement in the committees helps them to understand the decision making process. Student clubs nurture the skills of the students. It helps in the transformation and holistic development of the students. There are different committees at Institute level and Department levels where the students and the faculty members play active role in planning and execution of the events. The students are involved in the following committees along with the staff members.

- **Anti-Ragging Committee:** Student members play a vital role in making the freshers to feel comfortable in the new environment. They help them to have a smooth and peaceful transition into college life .They work to have ragging free campus.
- **Sexual Harassment Committee:** It ensures “the right to dignity to all” in the campus. The student members educate the peers. They also display anti sexual harassment posters in the common waiting room.
- **Class Review Committee (CRC):** The CRC of each class consists of 6 students – 2 Class Representatives, 2 average, 2 lateral/telugu medium students. This committee conveys the pulse of the class to the members, which ensures the smooth conduction of class work as per the schedule.
- **Department Technical Associations:** Each Department has Technical Associations for organizing various activities to improve Technical skills. Students schedule and organize various activities that include Guest Lectures by experts, Seminars, Workshops and Intercollegiate meets to develop the

personality and skills of the students.

- **Hostel Committee:** The student representatives shall report to the faculty in-charge / warden about the issues related to general cleanliness in and around the hostel. Thus to ensure a peaceful and congenial environment to the hostellers.
- **Canteen Committee:** They ensure that the mess is providing quality food. Any change in the menu or quality of service given by the canteen staff, will be brought to the notice of faculty in-charge.
- **Sports Committee:** The committee plan and conduct Intra-college and inter-college sports events. Students co-ordinate and organize “NYPUNYA”, a national level sports meet in the college campus, once in two years.
- **Co-Curricular Committee:** Student members identify and plan co-curricular activities under various professional bodies like IEEE, IETE IEI, ISTE, ACM and CSI. These student chapters also organize technical activities and sessions.
- **Grievance Redressal Committee:** This is formed to address the grievances of the students, staff and parents. The student members participate in resolving the issues.
- **Literary Cell:** Students improve their language skills being part of MERAKI -Language club, Toastmaster and the Page Turners-Readers club. The members plan, schedule and conduct the activities.
- **Extra-Curricular Activities Cell:** The Student members play active role, such as being a helper in a dance club, a soloist in a music club or an artist making scenery in a drama club.
- **B-Smart Editorial Board:** The members of this biannual magazine involve in filtering and compiling of submitted articles.
- **IQAC:** The members plan to improve quality of the system & monitors regularly of its outcomes.

File Description	Document
Any additional information	View Document

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 6.8

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
8	8	9	5	4

File Description	Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

The Institution has a very active BVRIT HYDERABAD ALUMNI ASSOCIATION formed in the year 2016 with the Reg. No: 1761 of 2016. All the outgoing students by default become part of the BVRIT HYDERABAD ALUMNI ASSOCIATION. Members of association are nominated and elected by alumni. The alumni form the major strength and are brand ambassadors of the institution.

The Central Training & Placement Cell (T&P CELL) of Sri Vishnu Educational Society organizes the alumni meets at society and chapter level. The alumni meet is organized by the college every year in the month of December at the college campus. This provides an opportunity for the alumni to meet their friends, share their experiences, views and give suggestions for the betterment of the Institute. The alumni meet ends with dinner and informal interaction amongst the alumni, staff and management.

Our college alumni has a separate Facebook page <https://www.facebook.com/BVRIT-Hyderabad-Alumni-Association-204704556740656/> created for their networking and to inform about major activities and achievements of the college.

Our alumni contribute to the institute in two ways:

Non-Financial Means:

- **Mentoring and Career Guidance:** The alumni visit the institution frequently to deliver Guest lectures and seminars for the students in their areas of expertise, and to motivate the students. They also help the students in projects, mentorships and internships. They mentor the IV and III B.Tech. students towards higher studies and career opportunities.
- The alumni of the college are also one of the sources for placement training to the students. Alumni from the corporate help the present students in preparing for placement exams and interview. Prior to the placement drives, the alumni guide the students about industry requirements and its related technologies. They provide more inputs by conducting mock interviews.
- **Support system:** Alumni are our most loyal supporters and our best ambassadors. They offer invaluable marketing and promotion across their personal and professional networks. An engaged alumni network allows the Institute to benefit from the skills and experience of our graduates, by offering their support to their juniors. They provide referrals for the students to the company they work for. They also communicate about internal job opportunities if any. Alumni are also part of committees like Department Advisory Board, Internal Quality Assurance Cell etc. where they provide suggestions on incorporating latest technologies in order to meet the demands of Industry.

Financial Means:

- **Financial Contributions:** Most of them voluntarily 'Give-Back' to their alma mater as a sign of their gratitude and affinity towards the institution. The Alumni initiated Gold Medal for the best placement and financial help to the needy students.

A strong alumni association can be one of the biggest benefits of an institution that can contribute towards various developmental activities of the institution. Leveraging the alumni community can be a win-win for both the institution and the alumni.

File Description	Document
Any additional information	View Document

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

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 1 Lakh - 3 Lakhs

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 6

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
3	1	2	0	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document
Any additional information	View Document

Criterion 6 - 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

Response:

VISION

To emerge as the best among the institutes of technology and research in the country dedicated to the cause of promoting quality technical education.

MISSION

At BVRITH, we strive to

- Achieve academic excellence through innovative learning practices.
- Enhance intellectual ability and technical competency for a successful career.
- Encourage research and innovation.
- Nurture students towards holistic development with emphasis on leadership skills, life skills and human values

The vision of the college is to become a premier institute in technology and research. To fulfill this, the mission concentrates on the empowerment of women as engineers, researchers and entrepreneurs with academic excellence, intellectual ability, technical competency, leadership skills, life skills and human values. The mission is gradually accomplished with each academic department Programme Educational Objectives (PEOs). The progress is evaluated based on the attainment of Programme Outcomes (POs) and Programme Specific Outcomes (PSOs). The attainment of POs and PSOs is evaluated based on the attainment of each course's course outcomes (COs) and the feedback from the stake holders.

The administration and all the stakeholders are actively involved in the preparation of policies & plans, in the execution of actions and in the assurance of quality for the overall growth of the Institution towards its vision.

The requirements for the current goals as per the perspective plan are collected from all the stakeholders and proposed by each Department Academic Committee (DAC), comprising of all the faculty members and Head of the Department. The proposals are approved by the Department Advisory Board (DAB), consisting of representatives from the stakeholders.

The proposals are also prepared and approved by various committees consisting of stakeholders for the progress of the Institute multi-dimensionally.

The approved proposals from all the departments and committees are consolidated to prepare the plan of action and the budget proposal by the Finance Committee. The consolidated plan of action and the budget are submitted to the College Academic Committee (CAC), a body comprising of Heads of all the Departments and Principal for review. After the review, the CAC submits the plan of action and the budget

to the Board of Governors (BoG), a body consisting of Chairman, Principal, two to five members nominated by Management, nominees from AICTE, state government & university and two faculty members, for the approval.

The above processes clearly demonstrate the participation of all the stakeholders in the decision making bodies to achieve the vision of the college through mission.

The Perspective Plan of the Institute is provided as additional information.

File Description	Document
Any additional information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The college has been practicing decentralization of power and participative management in its entire academic, finance and administrative affairs from its inception.

Case Study: *Academic Planner*

- Every year the college prepares College Academic Calendar, consisting of list of scheduled events planned for the upcoming academic year, in line with the JNTUH Academic Calendar.
- The proposals for the college level events are invited from the academic departments, the concerned committees and clubs.
- The College Academic Committee calls for a meeting to discuss the proposals and decide on the institute level events/activities viz.,
 - Induction Day for first years
 - Fresher's day
 - Graduation day for outgoing students
 - Teachers' Day
 - Engineers' Day
 - College Technical Fest - Medhanvesh
 - Alumni meet
 - International Day of Differently Abled People
 - Inter College Sports Meet
 - Annual day
 - Women's Day Celebrations
 - Optional holidays
 - Science Day
 - Mathematics Day
 - Non-Technical Events
 - Trainings – Placements, Foreign Languages, WISE, Cambridge Examinations etc.

- The proposals for department level events are invited from the students and faculty members.
- The Department Academic Committee (DAC) after collecting the proposals discusses and finalizes them.
- Now, the DAC prepares the department academic calendar in line with college academic calendar by incorporating various approved department level technical and non-technical events and disseminates it to the stakeholders.

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Yes, BVRITH has a futuristic strategic plan prepared for 10 years with clearly formulated objectives in line with the vision and mission.

The objectives are:

1. Autonomy in curriculum design, delivery and evaluation.
2. Achieving academic excellence.
3. Up-skilling of Faculty Members.
4. Implementation of Administrative reforms.
5. Building intellectual ability and technical competency.
6. Promoting Research there by leading to excellence.
7. Creating Holistic Development Environment.

Example of one activity successfully implemented under the promotion of research:

Title of the activity: International Conference on Intelligent Computing and Communication Technologies (ICICCT-2019).

Objectives:

ICICCT-2019 is aimed to

1. Enhance the research culture among the faculty members and students.
2. Create a platform for sharing of thoughts in multi-disciplinary research.
3. Explore multi-disciplinary domains for research.

Process:

ICICCT-2019 was organized in the college campus from 09-01-2019 to 11-01-2019 after due approval from BoG. The conference invited papers from multi-domains. The conference was well planned and the committees are formed accordingly for the smooth conduction of it.

The conference proceeded as:

DAY 1 (09-01-2019):

Inauguration:

The programme started with introduction of dignitaries, followed by lighting of lamp and prayer. Dr. KVN Sunitha, Principal, invited everyone, explained scope of the conference and asked to take proper benefit of the event.

Pre-Conference Talks:

The talks were given by Dr. Ponnurangam Kumaraguru (PK), Associate Professor, IIT Delhi on “Privacy & Security in Online Social Media” and Dr. Lueny Morell, Founder & Director of InnovaHiEd on "Cyber Security concerns in Engineering education". Post-Lunch, a hands-on-session was conducted by the Research Scholars of Dr. PK. The participants and Students learned few APIs in Python to access social media data.

DAY 2 (10-01-2019):

Release of Conference Proceedings:

The programme started with introduction of Chief Guests and motivational talk by the Chairman, and Director of SVES, followed by the release of conference proceedings published by Springer.

Key-note address and Talks:

The Key-note address was given by the chief guest Dr. Rao Vemuri, University of California, Davis, Computer Science, Emeritus, on “Future direction of AI” followed by a talk by Dr. Ganapati Panda, IIT-Bhubaneswar, on “Recent Advances in Signal Processing and Communication”.

Paper Presentations:

Track 1 presentations were chaired by Dr. Souvik Pal, JIS College of Engineering, India, IoT-based Digital Ecosystem and impact on Society.

Track 2 presentations were chaired by Dr. AtulNegi, Professor, School of Computer and Information Sciences, University of Hyderabad.

DAY 3 (11-01-2019):**Key-note address:**

The Key note address by Dr. Kotaro Kataoka, Visiting Associate Professor, IIT-Hyderabad, Japan International Cooperation Agency (JICA) on “IOT based security applications using Block chain”.

Paper Presentations:

Track 3 presentations were chaired by Dr. Arya Kumar Battacharya, Dean, School of Engineering Sciences, Mahindra Ecole Centrale College of Engineering.

Track 4 presentations were chaired by Dr. Y Rama Devi, Professor, CSE Dept, CBIT Hyderabad.

Valedictory:

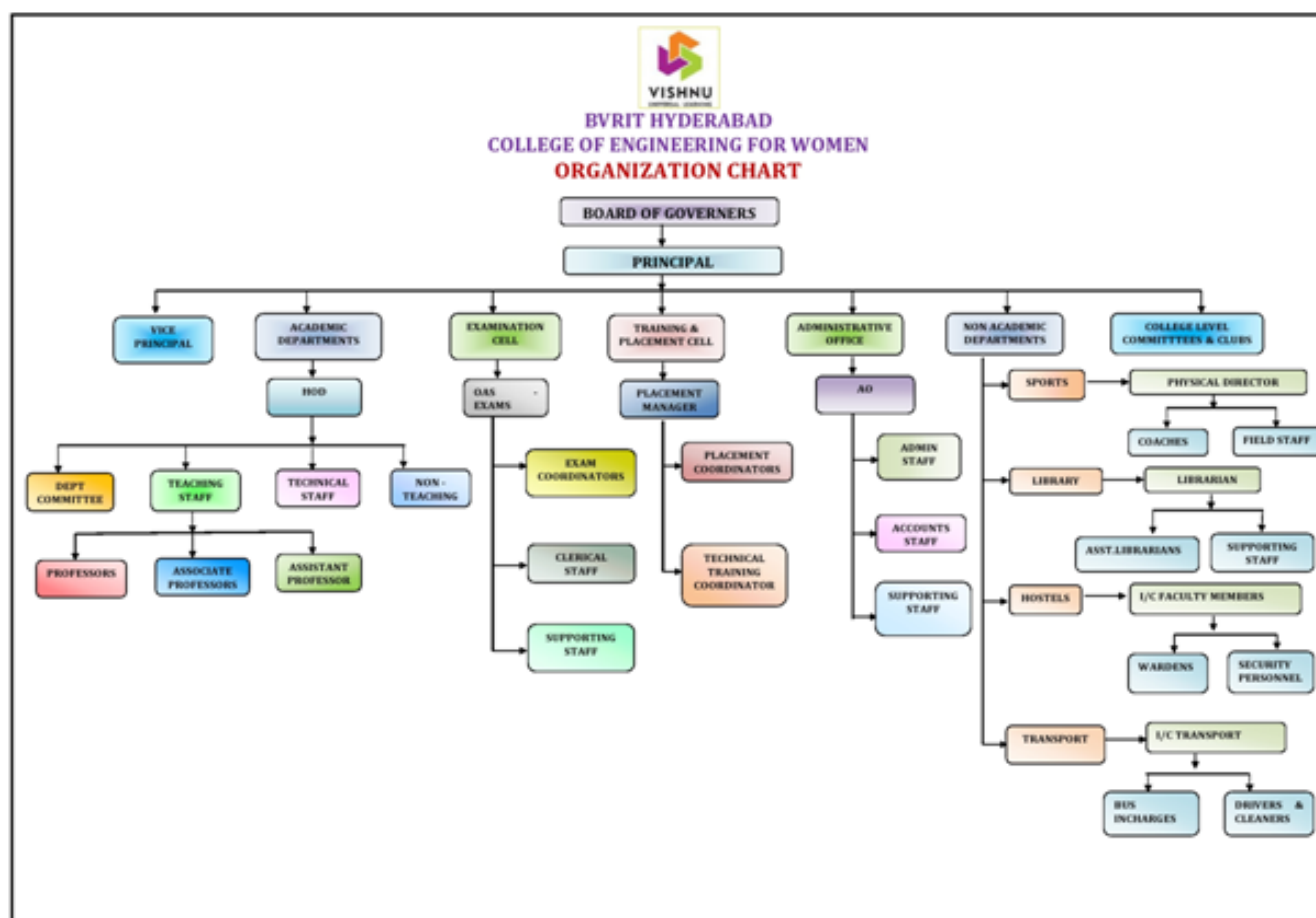
The address was given by Chief Guest, Dr. C Krishna Mohan, Professor from IIT-Hyderabad. The programme chair Dr. Ch. Srinivasulu presented the report, followed by vote of thanks by another programme chair Dr. ArunaRao SL. The conference concluded with National Anthem.

File Description	Document
Any additional information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

BVRITH has a clearly defined organizational and decentralized structure with Board of Governors (BoG) as the highest decision making body.



The BoG comprises of Chairman, Principal, two industry personnel from Microsoft and Talent Sprint, two members from management, one academician from IIT, one nominee each from AICTE, state government & JNTUH University and two internal faculty members. The BoG makes recommendations for the improvement and upgradation of the existing academic, administrative and infrastructure affairs.

Principal is the chairperson of all the administrative and academic activities in the college, supported by Vice-Principal.

Head of the Department(HOD),

- Supervises and monitors the entire academic affairs.
- Chairs all the department level committees
- Organizes and supervises the events at department level
- Implements the decisions taken by BoG and College Academic Committee.

Exam cell is responsible for smooth conduction of all the examinations scheduled in the college. The chief superintendent, officer in-charge, along with department exam in-charges and supporting staff conducts the exams as per the schedule.

TP Cell, headed by placement manager takes care of training needs and placements of the students with a well-planned process. The Placement Manager is supported by faculty coordinators from all the departments.

The administrative office, under the supervision of Administrative Officer takes care of all the administrative, maintenance and infrastructural works in the college.

Physical Directress (PD) along with the coaches takes care of training needs, accompanies the students to the outside competitions and conducts sports' events.

The Librarian along with the library staff takes responsibility for the smooth functioning of the library.

The faculty in-charges along with the wardens handle the needs, complaints and suggestions of the in-house hostels.

The college has various clubs, to improve the skills & talents of the students and to plan & organize the events.

The functioning of the college is supported by various committees:

A. Statutory Committees

1. Board of Governors
2. College Academic Committee (CAC)
3. Internal Quality Assurance Cell (IQAC)
4. Finance Committee
5. Purchase Committee
6. Training & Placement Cell
7. Discipline Committee
8. Anti-Ragging Committee
9. Grievance Redressal Cell
10. Sexual Harassment Cell
11. Committee/Cell for SC/ST
12. Institutional Mentoring/Counseling Cell
13. Alumni Association
14. Library Advisory Committee
15. Entrepreneurship Development Cell (EDC)

B. Non-Statutory Committees

1. Public Relations & Media Cell
2. Admissions Committee
3. R&D Cell
4. Staff Recruitment Committee
5. Co-Curricular Activities Committee
6. Extra-Curricular Activities Committee
7. Literary Cell
8. Sports Committee
9. Hostel Committee
10. Canteen Committee

C. Department-Level Committees

1. Department Academic Committee (DAC)
2. Program Assessment Committee (PAC)
3. Department Advisory Board (DAB)
4. Course Allotment Committee
5. Time-Table committee
6. Class Review Committee (CRC)
7. Department Library Committee
8. Laboratory Maintenance Committee
9. Attendance Committee
10. Department's Technical Associations Committee
11. Projects Review Committee

6.2.3 Implementation of e-governance in areas of operation

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

- A. All 5 of the above
- B. Any 4 of the above
- C. Any 3 of the above
- D. Any 2 of the above

Response: A. All 5 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

Response:

The events conducted in the college involve various committees and cells. The chairpersons of the committees ensure the necessary works are done in stipulated time by assigning the tasks and monitoring the same. Few adhoc committees are also formed related to the event for the successful conduction.

The involvement of the committees is demonstrated in the following case study.

Case Study: College Technical Fest “Medhanvesh”

The committees involved are

- College Academic Committee
 - Finance Committee
 - Purchase Committee
 - Department Academic Committee
 - Co-Curricular Activities Committee
 - Canteen Committee
 - Public Relations & Media Cell
-
- The College Academic Committee (CAC) decides the date and the department to take lead in coordinating with other departments for the conduction of “Medhanvesh”.
 - The head of the leading department will be usually the convener or the faculty member nominated by that HoD.
 - The approved budget is released by the Finance committee to the convener.
 - The Convener, requests all the department academic committees to nominate faculty coordinators & student coordinators and to provide the list of events proposed by the departments.
 - The department academic committee of each department meets to nominate faculty coordinators & student coordinators and also proposes the events to be conducted by the department and submits the lists to the convener.
 - The convener forwards the list of events from all the departments to the co-curricular activities committee.
 - The co-curricular activities committee meets to finalize the events and schedules them.
 - The convener with the support of faculty coordinators and students’ coordinators identifies the material required and forwards the same to the purchase committee to procure.
 - The canteen committee arranges the food for the participants after getting the menu from the convener, in coordination with the food committee.
 - The following adhoc committees are formed by the convener for the smooth conduction of the event involving faculty coordinators and student coordinators.
 - Organizing committee – preparation and distribution of posters & invitations, allocation of space for the events, stage decoration, preparation of the schedule for both inauguration & Valedictory Programmes, organizes both the programmes, etc.,
 - Registration Committee– registration kits, registrations of participants to the events, etc.,
 - Transport Committee – logistics of the guests and participants.
 - Stalls Committee – arranges stalls for both the registrations and food in the allotted space.
 - Food Committee – proposes the menu to the convener, arranges for the distribution of food.
 - Events Committee – prepares the environment for the events in the allotted space, conducts the event, invites the judges and submits the winners list to the convener.
 - Event Discipline Committee – Ensures the smooth conduct of the programmes and events.
 - The public relations & media cell invites the journalists from both the electronic and print media to cover the programmes and events. The details of the coverage i.e., newspaper clippings, telecast timings will be provided to all the members of the institution.
 - After the fest, the convener submits the income and expenditure statement to CAC for approval.
 - The approved statement will be forwarded to the finance committee.

6.3 Faculty Empowerment Strategies

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

Response:

The institute strongly believes that the welfare of the staff always leads to success of the Institution. Hence various monetary and non-monetary measures are being taken for the personal and professional growth of the employees.

Welfare measures for Teaching Staff:

1. Medical Health Insurance Coverage.
2. Financial assistance towards Registration fee, Dearness allowance, Travel grants for conferences, workshops and FDPs.
3. Incentives for paper publications in International Conferences & journals and Certifications.
4. Concession in Transport fee to the faculty members.
5. Full time Doctor, nurse and ambulance are available in the institution.
6. Regular Psychologist.
7. Sports, gym and yoga facilities are provided for faculty and their family members as well.
8. Laptop loans are provided for the faculty members.
9. Medicines are available in the college for minor ailments.
10. College organizes free and periodic health checkups.
11. College conducts technical boot camp during summer vacation for the children of faculty members.
12. Faculty members are covered under EPF.
13. Maternity, Medical and Academic leaves are sanctioned for the required faculty members.
14. Appreciation for the department for producing University Rank.
15. Appreciation for the top two faculty members in students' feedback in each class.
16. Appreciation for the faculty member for achieving 100% results in the dealt course.
17. ATM facility is available in the campus.
18. Special Incentives on specific achievements like NIRF Ranking, NBA Accreditation and Best Placements.

Welfare measures for Non-Teaching Staff:

1. Interest free advances in emergencies.
2. Medical Health Insurance Coverage.
3. Concession in Transport fee to the staff.
4. Full time Doctor, Nurse and ambulance are available in the institution.
5. Sports, gym and yoga facilities are provided to the staff and their family members as well.
6. Regular Psychologist.
7. Medicines are available in the college for minor ailments.
8. College organizes free and periodic health checkups.
9. College conducts technical boot camp during summer vacation for the children of staff.
10. Uniform is provided for supporting staff.
11. Staff is covered under ESI and EPF.

12. Maternity, Medical, earned leaves / vacation are sanctioned for the required staff.
13. ATM facilities are available in the campus.
14. Special Incentives on specific achievements like NIRF Ranking, NBA Accreditation and Best Placements.

File Description	Document
Any additional information	View Document

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

Response: 43.76

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

2018-19	2017-18	2016-17	2015-16	2014-15
65	63	54	37	16

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years	View Document

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

Response: 6.4

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
7	7	9	5	4

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 53.75

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
69	83	85	38	18

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

The college follows a standard appraisal system for both teaching and non-teaching staff. The self-appraisal forms from teaching and technical staff are collected by the Head of the Department in the month of September every year. Performance of the staff is evaluated for 100 marks based on the following criteria:

For Teaching Staff:

- Result analysis and feedback of subjects taught
- Skill up-gradation, conduction and participation in Conferences/Workshops/Faculty Development Programs
- Research and Development
- Funded projects and Consultancy
- Guiding students in technical competitions
- Feedback of HoD and Principal
- Responsibilities at department and college level
- Contribution towards Placement/Content development

- Outstanding achievements

Technical staff:

- Skill up-gradation
 - Responsibilities taken up at department and Institution level
 - Role in helping students at various competitions
 - Job Assessment / General Ability
 - Human Relations
 - Work Output and Habits
- Feedback of Head of the Department and Principal

For admin and other non-teaching staff, recommendations of Administrative Officer and Principal are considered for annual appraisal.

The sample formats of self-appraisal forms of both teaching and technical staff are provided as additional information.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The institute has a mechanism for internal and external audit. The internal audit is conducted on quarterly basis. Qualified Internal Auditors and a team of staff under them do a thorough check and verification of all the transactions that are carried out in each quarter. The external audit is conducted once in a year to approve the balance sheet after due verification. Minor errors of omissions and commissions, pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future. The institute regularly follows Internal & External financial audit system.

The functions of Internal Audit are:

1. Evaluates institution's overall internal control system related to finances.

- 2.Ensures proper recording and safeguarding of institution's income, expenditure, assets and liabilities.
- 3.Confirms compliance with laws, regulations and established organization's policies & practices.

The functions of External Audit are:

1. Verifies quarterly internal audit report, findings and corrective actions.
- 2.Pre pares and approves the balance sheet after verifying the consolidated records.

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

Response: 0

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document

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

Response:

Mobilisation of funds/additional funds:

The regular funds for the college come from:

1. Students Fee: The students admitted through the convener, TSEAMCET and admitted under B-Category pay the fees as per the guidelines of the Telangana Admission and Fee Regulatory Committee (TAFRC).

2. Other Income: This income is generated from the rents paid by food stalls.

The Additional/Deficit Funds are procured from:

1. Sri Vishnu Educational Society: The additional funds are provided by the society.

2. Banks: The required funds are procured from the banks as loans.

Optimal Utilization of Funds:

The Institution has a proper system for effective and efficient utilization of available financial resources. The Board of Governors, Administration and Finance Committee of the college constantly monitor and review the usage of funds as per the budget. They make recommendations for optimal distribution of available funds and effective mobilization of additional funds.

Each Department Academic Committee gathers & analyzes the financial requirements and submits to finance committee. Other committees also finalize the financial requirements and submit to finance committee. The consolidated budget is prepared by finance committee and submitted to CAC for review. The CAC reviews, modifies if required and submits the final report of recommendations to the Board of Governors for approval.

Funds are allocated to various departments as per the budget approval and are optimally utilized under various heads.

1. Non-Recurring Expenditures:

- Infrastructure Augmentation includes construction of new buildings and the establishment of labs.
- Purchase of books by the library.
- Sports Facilities.

2. Recurring Expenditure:

- Salaries
- Academic Maintenance
- Physical Maintenance
- Procurement of e-journals, newspapers, magazines and periodicals by the library
- Sports Equipment
- Greenery Maintenance
- Research & Development
- Incentives to the faculty members

- Medical Facilities and Insurance
- EPF & ESI
- Waste Management
- Bank Interests
- Electricity Charges
- Functions
- Events
- Staff Welfare
- Student Scholarships
- Miscellaneous Expenditures

6.5 Internal Quality Assurance System

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

Response:

IQAC of BVRIT HYDERABAD College of Engineering for Women (BVRITH) was formed on 1st December 2018 with an objective to improve the quality of the system and regular monitoring of its outcomes through strategic planning.

Here are the two initiatives of the IQAC

1. Placements – To Improve

- Student's salary package
- Placements in core sectors

2. Research

- Quality Publications
- Funding Projects

Placements

Crucial changes are made in the training process on the advice of IQAC to improve the effectiveness.

- A senior faculty is nominated as coordinator for Technical training to effectively plan and monitor the implementation.
- The coordinator will coordinate with the faculty trainers, monitors the student's performance and motivates them individually based on their requirement.
- Earlier technical training was conducted class wise. From AY 2019-20, students are divided into **three groups** irrespective of their branch or class, **based on their level of competency** in the Technical assessment test and feedback from the department.
- The coordinator finalizes the syllabus and schedule for the training, in coordination with other faculty trainers, for each group.
- The faculty members are identified accordingly and clear guidelines are given for the delivery of the content.
- The students are encouraged to practice on various coding platforms such as, HackerRank, CodeChef, Interviewbit, SPOJ etc.,
- Periodic evaluation of student performances' is conducted through various assessment tests on Moodle. Student feedback is provided to the underperformed students about their weak areas and advised to improve.
- Previously for the CRT training conducted by external agency, students were grouped based on their departments. But, from AY 2019-20, students are split into two groups based on their scores in aptitude tests conducted by the college.. This is informed to training agency well in advance and is advised to plan the delivery accordingly.

These initiatives taken towards placement have shown significant increase in the **number of placements, students placed and pay package**. For the AY 2019-20, **239 students** were placed with **average salary of 4.23 Lakhs** and **52 students with above 5 Lakhs** package till now. The total number of placements has crossed 400 with considerable number of students having multiple offers.

Research

To improve the quality of publications / funding projects:

- The college has a committed R&D committee. These members meet frequently and monitor the progress of quality research work and submit the report to IQAC.
- Sessions were organized by senior internal faculty who has research proposals writing experience and also by external members from IEEE Hyderabad Section.

This made significant improvement in getting *three funded projects* under JNTUH TEQIP-III by faculty members. Faculty members are also aware of standard journals and conferences to publish their research work.

The college has organized two international conferences viz., ICMEET-2017, ICICCT- 2019 in association with Springer and i-CET 2018 on Entrepreneurship and Technology in collaboration with American Business School, Paris.

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

Response:

IQAC has taken the following initiatives to improve its teaching and learning process

Diagnostic Test

A Diagnostic test was conducted in the month of August for the first year students who joined from the AY2019-20. The primary focus of the test was to assess students' *Mathematics Entry Level Skills, English Entry Level Skills, Digital Literacy and Psychometrics*. The Digital literacy section gives an insight on student's *basic knowledge about computers and their operations*. The psychometrics part of the test was used to analyze student *learning style, motivation style and self-study habits* such as - time scheduling, concentration, listening, reading, writing, and exam taking skills

The data helped to understand individual student's competency levels and plan various activities like *Scaffolding, Jigsaw, and Differentiated Instruction* to cater to student needs and improve learning in the specific areas.

In Scaffolding, Above Average students paired with average and below average students on expected level problem solving. In Jigsaw method, students are grouped into teams on various concepts and then the groups are reformed. It is ensured that each reformed group has one student from each of the concept groups, this allows each student to present their topics and learn the new concepts through peer learning. In Differentiated Instruction, students are assigned different level of problems / questions to be solved based on their individual competency levels. Periodic assessments are conducted to improve student learning and make necessary instructional changes.

Outcome: Able to understand skills, strengths, and weaknesses of individual student.

SWAYAM - NPTEL

Local chapter of SWAYAM - NPTEL was established in the college to encourage faculty and students to enroll online courses in their area of interest and in allied fields to enhance teaching and learning. Affiliating University JNTUH, permits students to register NPTEL as part of their elective courses that are offered during the semester, and will be considered for credits. IQAC recommended enrolling for NPTEL-elective courses as (i) they are offered by the faculty of premier institutions like IITs, IISc etc. (ii) students who scored top 1% and 5% will get an internship opportunity in the premier institutions under the course coordinator. Internal faculty members are allocated as mentors for a set of students. Recently, various companies announced job openings for students who completed NPTEL courses. From the college, one senior faculty member is nominated to monitor and create awareness of the latest updates etc among the peers.

Outcome There was a significant improvement in the number of students who enrolled for NPTEL courses and successfully completed. This upgraded the college grade from *A grade for Jan – June 2018 to AA grade for a period of Jan – Apr 2019* which shows the significant growth. College is also listed in *Top 100 Swayam – NPTEL local chapters in Jan – Apr 2019* is the evidence for the success of the initiative.

File Description	Document
Any additional information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 0.8

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

Quality enhancement activities in Academics

International Certification – University of Cambridge

Business English Certificate (BEC)

The students are greatly encouraged to take up the BEC examination since from 2015-16, to improve their reading, writing, speaking and listening skills. The faculty members of English department underwent training by certified trainers from Cambridge University and train the students for 40 Hrs before the students take up the exam. In the AY 2015-16, 97 students registered for BEC Prelims and all 97 are certified, in the next AY 2016-17, 238 students registered and 204 are certified (85.74%), for the AY 210 students registered and 198 are certified (94.28%). In the AY 2018-19, 234 students registered, 228 are certified (97.43%). It can be observed that year to year there is a gradual improvement in percentage if no. of students certified. Students are also motivated to take up the next level of BEC. 63 Students took next level BEC vantage since from 2016-17 and 57 students are certified. In the AY 2018-19, 17 students took higher level of exam CAE and 13 are certified.

NPTEL

College has established SWAYAM - NPTEL local chapter to encourage faculty and students to take up online courses in their area of interest and in allied fields to enhance their learning. 90% above faculty utilized the NPTEL courses along with the students. For July-Oct 2018, 85 students and 27 faculty members are NPTEL certified in various courses. Out of which, 4 are Gold, 15 are silver, 35 are Elite and 58 are successfully completed. There is a huge improvement in certification for the period Jan – Apr 2019. 287 Students and 39 faculty members are certified in various courses with the initiation of IQAC to encourage students to take up elective courses offered through NPTEL. For this period, 34 are Gold, 89 are silver, 93 are Elite and 110 are successfully completed.

Foreign Languages

Students are provided an opportunity to take up foreign languages to build up their career and it is also required to pursue higher studies or job opportunities in foreign countries. It is initiated in the AY 2013-14 with German language in association with VIFL and carried forward for subsequent years in association with Ms. Nivedita, Free Lancer. Totally, 95 students are certified till now. From the year 2018-19, French language was also introduced, 15 students are certified.

VEDIC

It is a unique initiative of Sri Vishnu Educational Society to train the faculty to improve their teaching and learning skills and also to support in the research. Students are also given training to improve their thinking capabilities, goal setting etc. 100 % of BVRITH faculty has undergone training in various programs offered like Scientific Educational Practices, Inspire Impact and Introspect, art of writing research paper, outcome based education and many more. Students programs like Career Aspirations in Science and Technology, Intellectual Learning for Engineering Applications were conducted regularly. Total of 2262

students have undergone training till now.

Placements

New initiatives taken towards placement have shown very good impact in terms of number of students placed as well as in placement package. In AY 2018-19, 237 students got placed with an average salary package of 4.11 Lakhs and 53 students above 5 lakhs package. For AY 2019-20, as on October 2019, 239 students were placed with average salary of 4.23 Lakhs and 52 students with above 5 Lakhs package and still more placement drives are on the way.

Research

Significant improvement in research was shown in getting three funded projects under JNTUH TEQIP-III by faculty members. Faculty members are also realized of their publications in standard journals and conferences. College has organized the international conferences like ICICCT – 2019 in association with Springer in the month of Jan 2019

Quality enhancement activities in Administration

Applying Leaves through online portal - E-Cap

In the earlier years, faculty members of BVRITH used to apply leave through leave application manually. Since from 2 years, leave application is made online and faculty must apply the leave with proper class adjustment using E-Cap. It will be initially verify and approve by the concerned HoD and finally goes to Principal Approval

Digital Fee Payment

Student's fee payment like tuition fee, hostel fee and transport fee are made compulsory to pay using online portal e-cap through respective student's login. Cash transactions are greatly minimized

GPS based Bus Tracking

To track the bus and have updated info about the bus location to the parents, all college buses are equipped with GPS which also ensures safety and security of girl students. College transport incharge will also regularly monitors the buses in the morning and evening

NAAC

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 53

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
13	12	10	10	8

File Description

Document

Report of the event

[View Document](#)

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

BVRIT HYDERABAD College of Engineering for Women (BVRITH) is having around 1600 students and more than 55% women faculty members. The organization works with a mission towards women empowerment, there by taking every step needed to realize the same. The gender specific facilities have been deployed for safety, security and well-being of students and staff.

a) Safety and Security

Surveillance cameras are installed in the campus for monitoring students' movements into and out of the college. The security personnel are deployed across the college premises for any kind of security incidents/issues and offers strict vigilance. Helmets are made mandatory to enter/leave college campus.

Fire extinguishers are available in all labs and corridors. Regular check on fire extinguishers is taken care by administration department. Mock drills are conducted at regular intervals to create awareness of fire & safety.

Anti-ragging committee will ensure that campus is free of ragging. The anti-ragging squad regularly monitors at scheduled timings in different places to make the campus ragging-free. The college also has anti-sexual harassment committee to address issues if any.

Any sort of complaint can be lodged either through eCAP (online) or complaint box provided at the Principal's office/Pearl block ground floor. Grievances and redressal cell attend to students' problems within 2-weeks of complaint. Each college bus is appointed with a faculty coordinator to monitor everyday situations and to address the problems faced, if any. Women employees can avail maternity leave for two months.

Gynecologist along with a nurse is available in the college. They are available on call also after college. In-house Ambulance service is available round the clock, in case of any emergency. Well maintained sick room is available in the college premises for students or staff to use

In-house hostel facility is also provided for students with full-time employed wardens, available in the hostel round the clock. Only lady housekeeping staffs are appointed to work in the hostels. Female security personnel are also deployed at the hostels. Hostels are provided with sanitary incinerator, as a measure to maintain hygiene. The washrooms are maintained neatly through scheduled maintenance with proper display of wet floor sign boards. The students staying in hostels are encouraged to visit gym and practice yoga on a daily basis to be physically and mentally active under the watch of physical director.

Students are not allowed to leave the college during the working hours. In case a student needs to leave the campus for any reason, either the class teacher or the counsellor will inform the respective parent. After getting the parent's approval, the student is allowed to leave the campus with a permission slip duly signed by class teacher/counsellor and HoD.

Students staying in Hostel are allowed to leave the hostel for vacation, only when accompanied by a parent or guardian/confirmation from parent by call. Any team of students participating in technical events hosted out of the city will be accompanied by a faculty member, without fail

b) Counseling:

For a successful professional career, proper planning and guidance is required. At BVRITH, the students are counseled and guided properly to explore in all possible ways. The staff are also encouraged to meet the psychologist as the management believes that a healthy individual makes a healthy organization.

The counseling concentrates on

? Academics

? Personal grooming

Academic counseling

During the counseling hour, students are provided with required academic advices and the ways to improve their knowledge, skills and dispositions in the respective course or laboratory courses.

Each faculty mentor will be assigned with 15-25 students approximately. Academic counseling is done at

least twice in a semester for every student. Through personal interaction faculty mentors understand every student's needs, expectations and challenges or difficulties that they face or undergo. Faculty mentors determine the performance of students based on attendance, internal marks and external marks, and counsel them accordingly.

Faculty mentor provides guidelines and recommends a meeting with the professional counselor or the subject expert if necessary. Slow learners are advised and recommended to attend remedial classes for academic improvement. A counseling book with all the details is maintained for each individual student. Depending upon students' interests, they are encouraged to participate in various curricular, co-curricular and extra-curricular events and competitions. Both inter and intra-collegiate participation and performance is recorded. Besides monitoring academic progress, the concerned faculty mentor also gives career guidance by providing the information about the options available for career advancements. At the end of the semester each faculty mentor prepares and submits a consolidated report.

Personal Counseling

Professional Psychologist Dr. Anitha Are is available in the campus for counseling the students from Academic Year -2019-20. Earlier Dr. Geetha Challa was available from the inception till AY 2018-19.

The counseling happens in two ways.

a. Individual counseling

Professional counselor gives personal counseling to individual student depending upon the necessity. Students approach the counselor in the following ways

? Students suggested by faculty mentor

? Walk-in

? Telephonic in case of emergency

If in case a student needs more assistance, psychologist refers to the parents of the student providing all the background of counseling done.

b. Group Counseling

Psychologist visits every class during the start of semester to counsel students suggesting the significance of mental and physical health. The counselor focusses on managing stress, reaching out to faculty/counselor at any point of time. To mark the importance of counseling in individual's life, peer to peer counseling was introduced as part of Mitra. As college observed good outcomes through peer counseling, initiative is taken to expand the importance of peer to peer counselling to society at large. BVRITH has received "Asia Book of Record" in LARGEST MENTAL HEALTH PEER COUNSELLING FOR WOMEN on the Eve of National Women's Day.

c) Common Room

- Waiting rooms are available in campus.

- Sick room is available for students and faculty in case of any illness. A Doctor and a certified nurse are also available in the campus.
- Lounges are available for guests and parents at the Diamond, APJ & Sapphire blocks.

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:	
1. Percentage of annual power requirement of the Institution met by the renewable energy sources	
Response: 12.65	
7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)	
Response: 45487	
7.1.3.2 Total annual power requirement (in KWH)	
Response: 359471	
File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs	
Response: 33.05	
7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)	
Response: 56400	
7.1.4.2 Annual lighting power requirement (in KWH)	
Response: 170656.8	

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Inspired by Swachh Bharath, a flagship initiative of Government of India, the college took several initiatives to properly dispose waste and maintain eco-friendly environment in and around the campus. Appropriate labeling is used on all kinds of bins to help users discard various type of waste avoiding manual segregation.

Solid waste management

- Solid waste is collected in the campus, from fallen leaves, cups, paper etc. This waste is segregated at source by providing separate dustbins for Bio-degradable and Plastic waste. Single sided used papers are being reused for writing and printing in all departments.
- The daily food waste is displayed to everyone to create awareness on proper usage and avoid waste.
- The waste (saw dust & welding scrap) generated in engineering workshop lab is properly accumulated and sent to recycling from time to time.
- My Green Bins are used to convert semi-solid waste generated from canteen to compost. The compost generated is collected and used as manure for plantation.

Liquid waste management

Sewage treatment plant is used to remove contaminants from waste water. In the campus, STP plant with capacity of 60 KLD is under operation.

Waste water from RO plant is used for gardening purpose and any left-over water is redirected to water harvesting pits.

E-waste management

- E-waste from labs is properly collected and is either given to the licensed recycler or reused wherever possible. Batteries, materials that cause choking hazard, are taken utmost care while decomposing.
- Non-working computers, monitors, and printers are discarded and scrapped in a systematic manner. Some parts useful for other systems are kept aside for future use in the store. Awareness among students and faculty regarding waste is being created through various mediums.

College has a MoU with ISO approved waste management social enterprise “Waste Ventures Pvt. Ltd.” to help us to dispose waste properly to protect the environment and recycle it to make useful products.

File Description	Document
Any additional information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Response:

The rain water harvesting pits were dug around the campus to collect rain water. The campus has four water harvesting pits. The following are the details of harvesting pits.

S.No	Pit No.	Location	Size(ft)	Volume
			Length x Width X Depth	
1	RWHP-1	Between Opal and Sapphire blocks	7 X 3.6 X 5	122.5
2	RWHP-2	In front of Opal block	7 X 11 X 5	385
3	RWHP-3	At APJ block	5 X 5.6 X 5	137.5
4	RWHP-4	Beside Stationary	13 X 16 X 14	8736

- Water conservation at campus is taken utmost care as ground water is not sufficiently available and to effectively use available water, some key strategies are identified and implemented.
- Water recycling and reusing waste water to reduce water footprint is being implemented across the campus.

- To enhance ground water, rain water harvesting pits are used to collect most of the rain water rather than allowing it to flow on surface and evaporate.
- The unfiltered RO water from RO plant is used to water the plants. Any left-over water after gardening requirement is being redirected to rain water harvesting pits.
- Sprinkler system is used to water the garden effectively that enhances infiltration and growth of plants at the same time.
- Every source of water discharge is inspected at regular intervals to keep a check on leakage and maintenance requirements.
- The rain water harvesting pits are cleaned every summer to remove the silt deposited/any solid matter that came with rain water flow.

File Description	Document
Any additional information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

The college has implemented green-friendly practices to manage the available resources and has taken steps in environmental conservation and protection. Established in 2012, the college is the flagship of Sri Vishnu Education Society, that imparts education beyond conventional engineering. Situated on a 6.125-acre campus in Bachupally village, Hyderabad the college has good landscape surrounded by lush green.

Bicycles in Campus: Bicycles are provided in campus for commuting within the campus. Students and staff are encouraged to commute through bicycle to reduce pollution and fuel usage.

Public Transport: The college is well connected with public transport having buses every half hour frequency and metro nearby. Since the college is surrounded densely with residential population, cab and other facilities are also available. Students are encouraged to use public transport and transport provided by college (at very affordable price) in order to reduce carbon foot print.

Plastic free campus: The campus is made plastic free by not allowing any sort of plastic covers in canteen or eateries at various places. The left-over wraps of chocolates, candies, chips are collected separately using the bins provided at various places and sent for recycling through an authorized dealer.

Paperless Office: To reduce the use of paper, all the departments use one side used papers for circulars and notice board displays. All the activities of the departments such as attendance, leaves, class adjustments, library usage, student details are maintained using eCap – an online portal avoiding paper usage.

Green Landscaping: The college has state-of-the-art infrastructure, creating an environment for progressive learning and development. The campus area is covered with herbs, shrubs and trees. Rare plants with medicinal value are also available. Management has special focus on maintaining a green campus and appointed skilled gardeners in the campus under the guidance of professional horticulturist, gold medalist Dr. Sravan. As part of Haritha Haram a flagship initiative of Government of Telangana, the college NSS volunteers are actively involved in various pollution awareness programs in and around the college and help in maintaining greenery.

The college created awareness among students to care about the trees and shrubs as well as environmental issues within the campus community through various programs. Different plantation programs are happening in college to create environmental consciousness amongst students.

Since plantation help in maintaining ecological balance, the guests visiting the college are welcomed with a plant. As a mark of remembrance, plantation is taken up whenever esteemed personalities visit the campus which improved the aesthetics of the landscape. This activity had created awareness amongst the college fraternity to maintain eco-friendly atmosphere on the campus.

File Description	Document
Any additional information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 2.58

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
29.16	33.09	30.11	17.66	12.71

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 32

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	8	8	3	4

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 7

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4	1	1	1	0

File Description	Document
Report of the event	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Any additional information	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 12

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
3	3	3	2	1

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

S. No	National festivals and birth / death anniversaries of the great Indian personalities	Activity organized
1	Republic day- 26th January	National flags hoisted by the Principal, and parade held by a few students address the students on the day's importance.
2	Science Day- 28th February	Talk by experts, essay writing competitions, Model making by students.
3	International Women's Day -8th March	Motivational stories are presented to students to build confidence.
4	Earth Day – 22nd April	Awareness programs are conducted to make students understand environment and its protection.
5	International Day of Yoga – 21st June	Importance of the day is explained by the Guest Speaker and practicing yoga helps to be fit and healthy.
6	Independence Day- 15th August	National flag is hoisted. Principal addresses the gathering, for the students. Faculty members and a few students address the gathering.
7	Teachers Day - Sir Sarvepally Radhakrishnan's Birth Anniversary- 5th September	Faculty members address the students on its importance. Greeting cards/ cake cutting, etc and express their gratitude to the teachers.
8	Engineers' Day- Sir Mokshagundam Visvesvaraya Birth Anniversary- 15th September	Technical Quiz Competition "Prashnothari" is conducted. Prizes are distributed for the winners. Along with this song is conducted by every department.
9	Padma Bhushan Dr. BV Raju Birth Anniversary – 15th October	Faculty members assemble at a place, remembrance his achievements for the society and offers flowers to him. College donates required items.
10	World Students' Day- APJ Abul Kalam Birth Anniversary- 15th October	Various Crafts are made by the students and are displayed.

11	National Education Day- Sri Maulana Abul Kalam Azad Birth Anniversary – 11th November	Seminars and slogan writing competitions are conducted for	
12	World Disability Day - 3rd December	Products for differently-abled are exhibited by the students.	
13	National Mathematics Day – Sri Srinivasa Ramanujan Birth Anniversary – 22nd December	Mathematical models are exhibited and skits are enacted on mathematical concepts, etc.	

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Finance:

The institution has a well-defined process to allocate budget for every financial year.

- Each department prepares the estimated budget proposals keeping in sight of the upgrades/new developments needed for smooth running of laboratories, computing facilities and training requirements.
- Department Academic Committee meeting is held in the department to review the proposed budget, modifies it, if required and submits to the Finance Committee.
- Different committees also prepare the budget proposals and submit to the Finance Committee.
- The Finance committee consolidates the proposals received from all the departments and committees, and submits it to College Academic Committee for review. The College Academic Committee reviews the consolidated budget proposals, modifies it, if required and submits to the BoG for approval.
- After obtaining the budget approval from BoG, the departments and committees receive the allocated budget towards various development activities proposed.
- All financial audit reports are made available in the website.
- Student scholarship information is communicated to students through circulars. Any grievances of students related to scholarships are attended by SPOC employed in administration department.
- All the financial transactions in the institution are carried out through cheque/Demand draft/online mode.
- The student fee as per the State Government norms is paid through online/DD.
- The salary paid to the employees is completely through bank.
- The vendors are also paid through cheque/online transfer or through voucher.

Academic:

- All academic matters are proposed by the Department Academic Committee and are recorded in the minutes
- Various Programs offered, Curriculum and Outcomes are available on the website.
- Academic calendar and Timetables are displayed in the notice boards and shared to students prior to the starting of the semester.
- Examination related notifications and circulars are widely displayed and circulated.
- Internal marks are displayed on department's Notice Board and students are given an opportunity to verify the evaluated papers.
- Information related to placements is communicated to all students and departments through email. Any specific information needed by the student is attended by department placement coordinator and Training & Placements Officer (TPO).
- All the circulars regarding students, circulated, read in all classes and displayed in notice boards. Circulars regarding staff is circulated among them.

Administrative:

- Transparency is also maintained in admission of students
- Service rules are accessible through institution website.
- Information related to admissions, faculty openings are effectively publicised in Print & electronic media.
- The institution has a participative management model where the faculty members and students take part in decision making.
- Every student is made aware of communicating any grievances to Grievance redressal committee.

Auxiliary:

- All the faculty and students are informed about the opportunities for taking up Research and Consultancy projects. The information is also made available through mail communication.
- Information related to funding opportunities from various funding agencies is made available to faculty members and students.
- Training and Placement activities are communicated thorough mail to all the students and department coordinators from time to time.
- Daily student attendance is sent to the parent/guardian through eCAP.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

BEST PRACTICE 1

Title:

Strong Industry-Academia Connect

Objectives:

- Reduce the gap between the engineering curriculum and industrial needsthrough parallel curriculum, value-added courses and certifications.
- Increase in the career opportunities by enhancing the technical competency and intellectual ability.
- Exposure to the industry environment through internships, mentorships, trainings and field trips.
- Establishment of industry sponsored incubation centers to promote R & D and start- ups.

Context:

- The gap between the engineering curriculum and industrial requirements is ever widening as the demand cannot be met through regular revisions in the curriculum. The curriculum mainly focuses on the fundamentals and the industrial requirements are based on the real-time demands to provide feasible solutions within the specified time frame.
- There are also diversive, but interconnected interests of educational institutions and industries. The requirements of educational institutions are funding & infrastructure, equal partnerships, placements and feasible goals, whereas the requirements of the industries include market-aligned courses, skilled engineers, feasible solutions and operational approach.
- The students are more accustomed to classroom learning based on the prescribed curriculum and are unaware of the developments in the industry.

The Practice:

Multiple approaches are followed/implemented to achieve the above said objectives.

- Implementation of parallel curriculum through “Women In Software Engineering – WISE” programme by the trainers from industry, was introduced from the inception of the college to reduce the gap between the curriculum and industrial needs. This programme is implemented from the first year along with the regular curriculum by allocating four hours per week. The curriculum for this programme is designed based on the industrial needs and revised accordingly. The curriculum consists of six modules. In each module, the students are taught through hands-on sessions, collaborative learning, self-learning, presentations and demonstrations. The performance of the students in each module is assessed through tests, assignments, projects and presentations. The projects of the students are evaluated by the people from industries.
- Trainings in Value-added courses and Certifications by industry certified internal faculty members and external agencies will also help in meeting the industrial requirements.
- Technical Competency and Intellectual ability is enhanced by encouraging and guiding the students to develop the prototypes based on their ideas to the real-world problems, and demonstrating them in various national and international platforms. The competency and ability to provide solutions to the real-world problems is also enhanced through the analytical and technical training provided by internal faculty members and external agencies.
- An incubation center is established to guide the students in transformation of prototypes into products, there by leading to start-ups.
- Exposure to the developments in the industry is achieved through the trainings and mentorships by the personnel from reputed MNCs viz., Microsoft, Amazon and Qualcomm. The industry environment is experienced through internships at various public and private organizations and also through field trips.
- The college alumni share their work experiences, technologies used and also conduct mock

interviews frequently to make the aspiring students placements-read

Evidence of Success:

The practices implemented in BVRITH, resulted in the following:

- Established in 2012, intake was doubled gradually from 240 to 480.
- All the offered programmes are accredited by NBA for three years within six years of inception.
- Only Engineering College in the state of Telangana recognized by AICTE for the best practices.
- Recognized by “IMC Ramakrishna Bajaj National Quality Award” for Quality in Education at the national level.
- More than 15 organizations along with internal faculty members contribute in trainings.
- More than 30 organizations offer mentorships, internships and provide field-trips.
- More than 70 organizations offer placements.
- 100 % placements for all eligible students.
- Placements in prestigious organizations viz., Microsoft, Amazon, Adobe, Qualcomm, HP, John Deere, CapGemini, Accenture, IBM, TCS, Infosys, MuSigma etc.
- On average more than 80 students per batch doing Internships, many of them with stipend in reputed organizations viz., BNY, OpenText, IBM, Adobe, Virtusa, Service Now, HPCL etc.
- Student representation and success in prestigious events like World Skills competition 2017, FOSS Asia, GSoC ,OUTREACHY etc.

Problems Encountered and Resources Required:

- Continuous upgradation of parallel curriculum based on the industrial needs.
- Up-skilling of faculty members by Industry.
- Identification of resource persons from industries and academia.
- Acceptance from industries for internships, mentorships, field visits and placements.
- Infrastructure augmentation.

BEST PRACTICE 2

Title:

Technology-Based Solutions to Societal Needs

Objectives:

- Inculcating the culture of “giving back to humanity”.
- Cultivating the attitude of “We and Us” instead of “I and Me”.
- To mold the students to be the creators and explorers of new ideas and architect of an end product.
- Implementing the motto of “Technology to Society”

Context:

- In the current busy world, most of the people are expecting more from the society and nation, and not thinking of giving back to society. Many sections in the society are waiting desperately for solutions to their needs.
- The current generation is driving to the culture of “I and me”, thereby leading to narrowness. This attitude can be altered by encouraging the people to work and learn in groups, thereby leading to “We and us”.
- Now-a-days, students are gaining theoretical knowledge in multiple domains but not focussing much on applications. Many students are unaware of applying their knowledge in contribution to the society.

Process:

- BVRIT HYDERABAD College of Engineering for Women (BVRITH) contributes to the society in terms of both monetary and non-monetary services through NSS Wing-"BVRITH for people" and beyond NSS also.
- BVRITH has also taken an initiative “Technology to Society” to provide the technological solutions to the societal needs by providing applications, prototypes or products to the needy. The students and staff members are currently working in the areas of Autistic, Visually Challenged, Agriculture, Safety & Security, Special Aids and Smart Devices.
- In this direction, Assistive Technology lab (ATL) in association with UMASS, Lowell, USA and IoT Maker Space lab in collaboration with Telangana Academy for Skill and Knowledge (TASK) and Hyderabad Software Enterprises Association (HYSEA) were established. Institute Innovation Cell (IIC), an initiation by MHRD is also established in 2019 to enhance the innovation culture in the campus.
- Online training classes are conducted by Prof Alan Rux, founder of ATL Program, UMass Lowell, USA to the students and faculty members.
- Based on the necessity, specialized trainings are also arranged for both the students and faculty members by the industry experts in the cutting edge technologies to transform the solutions into products.
- Our faculty members and students are also given an opportunity to learn from the world’s premier bootcamp organized by MIT in association with LVPEI – “Engineering the Eye” to bring innovative solutions in the ophthalmology area.
- Student teams visit different NGOs /other organizations along with the faculty members to identify their needs. The needs are also gathered through different Hackathons. Now, the teams come up with innovative ideas, after brainstorming, the solutions are provided as per the identified needs. These solutions are transformed into Apps or prototypes.

Evidence of Success:

- All the members of the BVRITH are actively involved in giving back to humanity and the attitude is transformed from “I and me” to “We and us”.
- The students developed required skills to form into multi-disciplinary teams, gather the needs and requirements, develop the ideas and transforming into solutions.
- The students performed very well in the Hackathons conducted by various organizations like Smart

India Hackthon, Cisco Hackthon, Food Hackathon etc.

- List of products developed by us under various areas for the societal needs are:

- **Autistic**

Kid Zone – Learning App for Special Kids

Things That Go Together – Trainer for Autistic Kids

7-In-1 Trainer Board

Colors– Mobile Application

Poems– Mobile Application

Short Stories– Mobile Application

- **Visually Challenged**

Formulae Trainer for the Visually Impaired

L guide - Learning App for Speech and Hearing Impaired

Indian Map Identifier for the Visually Impaired

Ball Game for the Visually Impaired

Self-Local Navigation for Visually Impaired

Walking stick for visually impaired

Web based electrical appliances control for assisted living

Solar Seed Fling Machine

My Crop is Healthy

Drones for Early Pest Detection

Leaf Disease Detection using Machine Learning

Automated Cotton Plucking Robotic Arm

Smart Crop Monitoring System

Smart Compost System

- **Women Safety**

Be safe

Stand Up! For Women Safety

- **Special Aids**

Smart T-Shirt for the Injured

Writing Aid for Upper Limb Amputees

I.V. (Intravenous) Fluid Level Indicator

I- Walk

Heat Index Alert for Geriatrics

Sign Language Glove

Mobile controlled wheel chair

Fellow follower

Intelligo

Signaling Jacket

Password Authentication Using Mindwave Mobile for Hamstrungs

- **Smart Devices**

Home automation using a flex sensor for disabled people

Voice Controlled Home appliances(VoCA)

Smart Security Check

SmartTrans

Drone Patrolling

Voice & Text Based Digital Notice Board Using IoT

Early Vocabulary – Mobile Application

Vehicle Sounds And Voice Sounds– Mobile Application

Syllable Length Word (Telugu) – Mobile Application

Syllable Length Word (English) – Mobile Application

Discriminate Consonant– Mobile Application

Same Length Word (English) – Mobile Application

By Manner– Mobile Application

Mobile application for reading out expiry date of drugs

Suvidha - The Voice of Villages

Problems Encountered and Resources Required:

- Allocation of time in the busy academic schedule.
- Identification of resource persons from industry for trainings.
- Collection of formal requirements from the needy.

Other best practices followed are:

3. Student Centric Pedagogy

4. Mentoring and Counseling

5. Vibrant Student Clubs

6. Young Promising Engineer Award

7. Lush Green Campus

3. Student Centric Pedagogy

BVRITH strives for academic excellence by enhancing the technical competency and intellectual ability of the students. Towards this, the pedagogy plays a key role. Hence, the skills of the faculty members are enhanced by the programs on scientific educational practices conducted at VEDIC.

All the faculty members follow student centric approaches while delivering the content in the class rooms using chalk and talk, tutorials and ICT Tools. The students are actively involved in the learning process through various activities viz. scaffolding, Jigsaw, chart preparation, mind mapping, role play, think-pair-share, Technical dumb charades etc. leading to collaborative learning.

4. Mentoring and counseling

The Institute believes in not only physical health but also in mental health for the holistic development of the students. Towards this objective, the institute provides professional counseling, psychological assistance and peer counseling for all the students to promote and ensure a healthy environment for emotional wellbeing.

Each faculty mentor is allocated a maximum of 20 students for professional counseling. The mentor understands the strengths and weaknesses of each student and provides guidance accordingly to overcome their weaknesses and for the best use of their strengths. The faculty member may advise the mentee to meet psychologist, if required.

The students and the staff can approach the in-house psychologist for advice to the personal, behavioral and other problems. The psychologist is available over the phone outside the college hours and on holidays for guidance and advices. The psychologist conducts group counseling by visiting each class to boost the confidence levels of the students by eliminating prejudices and apprehensions.

The college strongly encourages peer counseling, wherein the trained students called “MITRAs” help their peers in stressful or withdrawal situations. To its credit BVRITH has entered into Asia Book of Records for an attempt of “Largest Mental Health Peer Counseling for Women” on 7th March 2018.

5. Vibrant Student clubs

Many of the students have different passions and want to continue them, even though they have chosen Engineering as their primary career. To fulfill their aspirations, the institute encourages the students to enrich and excel in multiple arts and literary skills through clubs. All the clubs are student driven and some of them have professional coaches to train the students.

The existing clubs are:

1. Photography Club - Shutter Club
2. Writer's Club - Writing Unleashed
3. Drama & Short Film Club - Spotlight Productions
4. Dance Club - Vyna
5. Music Club - Sonata
6. Oratory Club - Speech Weavers
7. Quiz Club - Quizzera

8. Reading Club- Page Turners

9. Toast Masters Club

6. Young Promising Engineer Award

BVRITH encourages and guides the students to participate in various co-curricular and extra-curricular activities & competitions along with academics for the overall development. To recognize the all-round participation and performance *throughout their four years*, the Institute gives prestigious ‘Young Promising Engineer Award’ for the best student from each programme of engineering in their final year on the Annual Day.

Students are asked to nominate themselves with their profile of achievements in defined format with categories like Academics, Design Skills, Innovation, Leadership, Participation in National/International events, Sports, Arts etc. The department level committee consisting of HoD and senior faculty members scrutinizes the applications, awards the marks for each category and selects the best student for the award.

7. Lush Green Campus

BVRITH is committed to clean and green environment to provide pleasant atmosphere for the students and staff. Towards this a few initiatives viz. waste management, paperless administration, plastic-free campus etc. are implemented. The students educate the nearby community on the importance of green initiatives.

Haritha Haaram program is conducted on yearly basis to involve students and staff during plantation of saplings in and around the campus. Some rare plants and medicinal plants are grown in the campus.

Significant area within the campus is developed with greenery and efforts are made to create eco friendly environment. Natural rock structures in the premises are retained and greenery is maintained around them. *Artificial waterfall* on the natural rock structure, sit-outs, fountains and ponds make the campus vibrant.

The greenery in the campus is maintained by gardeners guided by professional horticulturist.

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

BVRIT HYDERABAD College of Engineering for Women (BVRITH), actively promotes innovation in teaching learning among the faculty and student fraternity through Vishnu Educational Development and Innovation Centre (VEDIC). VEDIC is a unique centre of excellence set up as a transformational platform for Sri Vishnu Educational Society Institutions. Students and faculty members undergo a development learning experience in the residential campus. This centre is involved in educational research to increase students' success and promote active learning practices. With a mission to create inspiring teachers and innovative students, it provides a positive and a professional environment through excellent facilities. The Centre facilitates a collaborative environment between the students and the faculty to bring innovation into classroom experience.

- The college has focused on improving teaching learning methodologies since faculty are the corner stones in shaping students' careers.
- VEDIC facility gives all faculty participants a sense of belonging by creating a collaborative environment for faculty from institutions come from all institutions under the society. This helps faculty learn from other colleges' careers.
- Students visit VEDIC campus to understand the difference between school level and college level learning and to understand the industry requirements of problem solving and critical thinking.

Teaching Learning:

VEDIC accelerates the process of practicing activity-based teaching/learning in classrooms to make the students actively involved. The two main challenges any faculty member face are as follows.

- Classroom faculty member to student communication for hard topics and subjects.
- Effective Assessments.

Classroom faculty member to student communication

Faculty members across all four engineering colleges under SVES, belonging to the same department, e-connect using Zoom/Skype/Hangouts twice a semester with each other in the presence of a subject matter expert. The faculty develop instructional material (Video/PPT/Software tool etc.) This exercise is referred to as the CONNECT program. This also helps exchange of curriculum ideas among the colleges.

The following are the key outcomes of CONNECT program.

- Identify new methods to teach a complex topic
- Use of instructional technology
- Discussion on misconceptions and alternative conceptions paved way to clarification of doubts. This helped in communicating better with students who have different pre-conditioned perceptions.
- Instructional material developed is shared among the group of institutions.

All faculty members undergo training on Scientific Educational Practices. Various ICT tools are provided in every classroom for effective dissemination of knowledge to students. Faculty members communicate through google classrooms/Edmodo for sharing the resources, conducting quizzes and for assignments.

Various activities such as mind map, role play, chart preparation, etc... are planned by respective faculty once during course delivery. Demonstrations/animated videos on topics of discussion helped students to understand the underlying concepts better.

Effective Assessments

In order to measure the evidence of understanding, the faculty members monitor closely the performance of each student using the following methods:

- Feedback from the students and parents
- Performance in mid & university exams
- Active participation in hackathons/competitions/coding challenges etc...
- Number of students graduated against total number of students
- Feedback from recruiting companies

The above assessments are reviewed from time to time and corrective/prescriptive measures are taken subsequently. The results of these initiatives resulted in many achievements.

- Two gold medals from affiliating university for two consecutive years
- The National Institute Ranking Framework (NIRF) ranked the college at 147 among all engineering colleges in India for the year 2019.

5. CONCLUSION

Additional Information :

Inspite of being Young College, four batches graduated, It has become the most preferred college in the state of Telanaga because of academics, placements, student participation in global competetions, research, consultancy & patents. Evidence of Success is listed below :

Academics: Two University gold medals for the past Two Years

Placements: Average placement is 74.25%, Students are placed in Top

MNCs like Qualcomm, HP, Adobe, Microsoft, Amazon etc

Global Competetions: Our Student represented India in **world skill**

competetion 2017 at Abudabi, three students received

Google summer of Code, Alumni mentored 18 GSoC

projects, one student received \$6000 as OUTREACHY

scholarship,

Research: Faculty have funding Projects worth more than one crore.

Conducted Three international conferences within 7 years

Consultancy: Generated 11.9 Lakhs through consultancy work.

Patents: Three Patents published by faculty

Start-Up: One alumni established a start up by

name "M/s Animolycka"

Honor : One student participated in republic day parade on 2018 at New

Delhi.

Concluding Remarks :

BVRIT HYDERABAD College of Engineering for Women is the youngest college under JNTUH University offering four programs of undergraduate Engineering courses in EEE,ECE,CSE and IT. The Institution has grown leaps and bounds both in its size as well as stature till this day. It promises to continue in its progressive mode of placing Women Engineers at the hands of our nation with knowledge, skill set as well as human values. The Institution has been constantly refining its focus as well as mode of operation in achieving its Vision. The qualitative and quantitative data under each criterion are a proof of the sincere efforts of the Institution in this direction. It is a firm belief as well as the perception of the Institution that the growth in infrastructure, academics, research, Innovation, co-curricular and extracurricular activities, awareness on Societal and National issues, community Outreach help in accomplishing the Mission of the Institute. All these have been implemented in line with the core values of NAAC.

As such, it is humbly submitted that this Institution, BVRIT HYDERABAD College of Engineering for Women, Hyderabad, Telangana state, deserves to be accredited well by NAAC.

This accreditation will be a mile-stone in the history of the college which may serve as a great morale booster in accelerating its growth towards its nation-building efforts through Women Engineering education and towards autonomous.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.3	<p>Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years</p> <p>1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>1</td> <td>2</td> <td>2</td> <td>1</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>0</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	2	1	2	2	1	2018-19	2017-18	2016-17	2015-16	2014-15	1	1	0	1	1
2018-19	2017-18	2016-17	2015-16	2014-15																	
2	1	2	2	1																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
1	1	0	1	1																	
1.2.3	<p>Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years</p> <p>1.2.3.1. Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>279</td> <td>416</td> <td>115</td> <td>29</td> <td>25</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>279</td> <td>416</td> <td>115</td> <td>29</td> <td>25</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	279	416	115	29	25	2018-19	2017-18	2016-17	2015-16	2014-15	279	416	115	29	25
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279	416	115	29	25																	
1.3.2	<p>Number of value added courses imparting transferable and life skills offered during the last five years</p> <p>1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years</p> <p>Answer before DVV Verification : 65</p> <p>Answer after DVV Verification: 33</p>																				
1.4.1	<p>Structured feedback received from</p> <p>1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise</p> <p>Answer before DVV Verification : A.Any 4 of the above</p>																				

Answer After DVV Verification: E.None of the above
Remark : HEI input edited according to provided response

1.4.2 Feedback processes of the institution may be classified as follows:

Answer before DVV Verification : B. Feedback collected, analysed and action has been taken
Answer After DVV Verification: E. Feedback not collected
Remark : HEI input edited according to provided response

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
30	19	9	1	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
18	0	1	0	0

Remark : HEI input edited according to provided documents. Assessment year data to be consider. DVV consider only teachers receiving awards from state /national /international level from Government recognised bodies.

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

3.1.1.1. Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
79.03	27.32	11.97	38.57	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
81.24	27.32	0	38.57	0

3.1.2 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

3.1.2.1. Number of research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification : 8

Answer after DVV Verification: 6

3.1.2.2. Number of full time teachers worked in the institution during the last 5 years

Answer before DVV Verification : 157

3.3.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years

3.3.3.1. Number of research papers in the Journals notified on UGC website during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
20	43	23	11	7

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
14	20	10	4	3

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
19	14	11	6	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
53	65	38	30	25

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
5	7	4	4	7

Remark : HEI input edited according to provided documents. DVV consider only linkages or documents duly signed/mutually accepted by collaborating institutions indicating the specific activities

5.3.1	<p>Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.</p> <p>5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>24</td> <td>23</td> <td>13</td> <td>8</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>6</td> <td>5</td> <td>5</td> <td>5</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	24	24	23	13	8	2018-19	2017-18	2016-17	2015-16	2014-15	6	6	5	5	5
2018-19	2017-18	2016-17	2015-16	2014-15																	
24	24	23	13	8																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
6	6	5	5	5																	

5.3.3	<p>Average number of sports and cultural activities/ competitions organised at the institution level per year</p> <p>5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>10</td> <td>11</td> <td>8</td> <td>5</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>8</td> <td>9</td> <td>5</td> <td>4</td> </tr> </tbody> </table> <p>Remark : HEI input edited according to provided documents. DVV not consider department wise program, per day program only consider.</p>	2018-19	2017-18	2016-17	2015-16	2014-15	9	10	11	8	5	2018-19	2017-18	2016-17	2015-16	2014-15	8	8	9	5	4
2018-19	2017-18	2016-17	2015-16	2014-15																	
9	10	11	8	5																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
8	8	9	5	4																	

6.3.3	<p>Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years</p>
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6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
29	25	29	21	14

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
7	7	9	5	4

Remark : HEI input edited according to provided excel sheet and documents. DVV consider professional development / administrative training programs duration should be more than one day.

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
86	83	85	38	18

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
69	83	85	38	18

Remark : HEI input edited according to provided documents. DVV consider only Professional development programs.

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of courses offered by the institution across all programs during the last five years Answer before DVV Verification : 531 Answer after DVV Verification : 340
2.2	Number of computers Answer before DVV Verification : 578 Answer after DVV Verification : 663
2.3	Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1306.39	1164.63	920.28	696.21	630.17

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1306.39	1164.63	920.28	696.21	1184.1

NAAC