

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING FOR WOMEN

**PUNE-SATARA ROAD, DHANKAWADI, TALUKA- HAVELI, DISTRICT- PUNE
411043**

coewpune.bharatividyaapeeth.edu

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The parent organization, Bharati Vidyapeeth was established in May 1964 by Hon. Dr. Patangraoji Kadam with the objective of bringing about intellectual awakening and all round development of people of our country through education. Bharati Vidyapeeth is now leading educational institution in the country, which has created history by establishing within a span of fifty years and beyond. Since more than five decades Bharati Vidyapeeth has made astonishing strides in the field of education, especially in higher education and professional education. Today, Bharati Vidyapeeth holds more than 180 educational units, right from pre-primary schools to postgraduate institutions and University of its own. It runs more than 73 Schools and 55 Institutions of higher education including the professional training institutes. It provides education in different fields like Medicine, Engineering, Fine Arts, Management, Social Science, Bio-Technology, Agriculture, Arts, Commerce, and Science etc.

The institute is located at Bharati Vidyapeeth, Pune-Satara Road, Dhankawadi, Pune. The Institute is affiliated to Savitribai Phule Pune University (SPPU, formerly University of Pune) and approved by Statutory Regulatory Authority (SRA), All India Council for Technical Education (AICTE), New Delhi.

The Institute offers UG programmes (BE) in Electronics and Telecommunication (E&TC) Engineering, Computer Engineering, Information Technology with intake of 60 students in each programme. The institute has increased the intake of E&TC Engineering UG programme from 60 to 120 from academic year 2006-07. The institute has started PG programme ME (E&TC Engineering), specialization in VLSI and Embedded Systems from academic year 2013-14 with intake of 18 students.

Vision

“Women Empowerment through Technical Education.”

Bharati Vidyapeeth was founded with the vision, “To be a world class University for Social Transformation through Dynamic Education.” Bharati Vidyapeeth has its own well defined ideology orientation and commitments. Social transformation in desired direction is one of its cherished dreams. As women play key roles in social transformation, Bharati Vidyapeeth’s College of Engineering for Women was established in June 2000 with vision, “Women empowerment through Technical Education.” The institute was started exclusively for women and despite challenges of admissions in the engineering institutes, it is running with 100% women students. As stated by vision statement, the institute is empowering women by providing higher education in the fields of Electronics and Telecommunication (E&TC) Engineering, Computer Engineering and Information Technology.

Mission

- **Develop women students to rise to their full potential.**
- **Impart knowledge and prepare competent engineers.**

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Qualified, experienced and dedicated teaching faculty with good retention ratio.
- Laboratories with State of the Art equipment and modern software tools.
- Faculty contributing in design, development and implementation of curriculum in Board of Studies of an affiliating university.
- Effective use of ICT in teaching learning process.
- Student centric functioning with mentoring, counseling through teachers and effective academic monitoring.
- Active NSS Unit.
- Professional Society Chapters in every department.
- Safe and Secured Environment for girl students.

Institutional Weakness

- Less Industry – Institute interaction.
- Moderate Placement ratio.
- Institute lacks in revenue generation.
- Less student pursuing higher education.
- Involvement of Alumni at Institute level is less.

Institutional Opportunity

- Scope for arranging FDPs /STTPS/ National Level/ International Level conferences.
- Scope for conducting specialized Training programs by the faculty.
- Scope for interdisciplinary and sponsored projects.
- Scope for improvement of digital literacy amongst women.

Institutional Challenge

- Strengthen Industry-Institute Interaction.
- More placements in core companies.
- Encouraging students for competitive examinations and higher studies.
- Networking and strengthening relationship with stakeholders.
- More focus on Industrial training for faculty and students.
- Girl students with varied socio- economic background.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Institution follows the curriculum designed and developed by SPPU as an affiliated institute. The institute adopts the curriculum overview provided by the affiliating university.

The Institute is concerned for quality in the view of core values as follows

- Commitment to changing needs, emphasized ICT based curriculum delivery.
- Accountability through weekly academic monitoring review.

Internal Quality Assurance Cell (IQAC), Department Advisory Board (DAB) and Program Assessment Committee (PAC) provide inputs for effective curriculum planning and implementation. Faculty members contribute in designing curriculum at university level.

The institute provides academic flexibility to the students by offering various elective courses and supplementary enrichment certificate programmes. Considering the scope in industry and opportunity for higher studies, the institute has started PG programme, ME (VLSI and Embedded Systems).

The institute provides curricular enrichment by integrating cross-cutting issues relevant to environment, professional ethics into existing curriculum via courses such as Employability Skill Development, Industrial Management, Information and Cyber Security etc. The institute offers life skill courses such as, Yoga and Meditation, Stress Relief, Emotional Intelligence etc. Final year students are encouraged to undertake sponsored projects and internship. The institute is a part of AICTE INTERNSHALA venture to create internship opportunities.

The institute has central online feedback system and structured course related feedback is received from different stakeholders. Exit survey from passing out batch is recorded. Student feedback related to teaching learning process and other issues is taken regularly. A proper record of collected feedback is maintained and analyzed further for necessary actions.

Teaching-learning and Evaluation

With the vision of women empowerment through technical education, institute strives to fulfill the needs of students by adapting various student centric methods. This criterion deals with teaching learning and evaluation. Institute follows admission rules, regulations and guidelines set up by Maharashtra Government (DTE). The students are admitted from various states. The institute recruits staff as per AICTE norms and has high faculty retention ratio. Students' centric methods such as experimental learning, participative learning and problem solving methodologies are used for enhancing learning experiences. Teachers use teaching aids such as LCD, OHP and ICT tools to make lecture interactive.

Academic coordinator designs the academic calendar with reference to SPPU academic calendar and all departments follow it. Institute has developed facilities to cater the needs of differently abled students. Special programmes are implemented for advanced learner and slow learners. Remedial classes are conducted to give special attention for slow learners. Examination cell conducts examinations as per the norms and schedule given by SPPU. The institute has well established system for direct and indirect assessment. The assessment and attainment methods used help faculty and students to measure the learning outcomes and finally to check the attainment of programme outcomes. With the structured teaching learning process and committed faculty, consistent academic results with the graduation rate up to 96% for last five years is achieved. Student database for current batch is provided for executing student survey.

Research, Innovations and Extension

The institute promotes research culture through various initiatives. Six staff members have completed Ph.D. while in service and 16 staff members are pursuing Ph.D. Three faculty members are guiding Ph. D. students. The institute has research committee including IPR coordinator and academic research coordinator for coordinating with affiliating university. Faculty members are encouraged to submit research proposals to Board of College and University Development of SPPU and AICTE regularly. The institute has received grants for quality improvement programs from SPPU. The institute has around 240 Journal publications including 30 in UGC approved Journals. The staff members have published 33 conference papers and 100 text books.

Students are encouraged to work upon innovative projects. They participate in innovative project competitions AVISHKAR, DIPEX etc. Students are encouraged to publish their work in peer reviewed and reputed journals.

Institute has received various awards for extension activities such as best college award from FSAI, College of Substance award from NES, best magazine award twice from SPPU.

Institute's NSS unit organizes many activities such as health checkup, science exhibition, tree plantation, self defense programs etc. The students have participated in National and State Republic Day parade. Faculty-Area coordinator and NSS volunteers have been consistently felicitated by SPPU.

The institute is participating in AICTE- INTERNSHALA initiative for creating more internship opportunities. The collaborated efforts with NGO help in supporting the students from different socio-economic background.

The institute supports techno-social activities to fulfill its mission of developing women students to rise to their full potential.

Infrastructure and Learning Resources

The institute developed its infrastructure satisfying the land requirement and building space for technical institution prescribed by All India Council for Technical Education. The requirements related to instructional, administrative, amenities and circulation area are fulfilled as per norms. Institute provides appropriate software and hardware resources, well developed laboratories with latest equipment. Facilities like LAN, Wi-Fi with 16 Mbps bandwidth and leased line are available in the institute. The institute has an adequate computing equipment facility. The administration of the institute carefully plans the installation, effective use and updating of infrastructure for the natural growth of the institute. Being a part of Bharati Vidyapeeth trust, the resources like sports ground and the auditorium are shared. These resources are utilized for conducting curricular, co-curricular and extracurricular activities. The laboratories are well equipped and classrooms are facilitated with required teaching aids. Sixteen station gymnasium along with other indoor-outdoor sports equipment are available for utilization. Budget allocation and expenditure under various heads is sanctioned by the College Development Committee.

The Central Library has sufficient books, journals, e-resources and other learning materials with technology aided learning mechanism which enables students to acquire information, knowledge and skills. Facilities like Digital Library, remote access to e-journals and e-books are available in the library.

The institute has an Annual Maintenance Contract (AMC) with different service agencies. Each department follows defined procedures for maintenance and servicing of the equipment.

Additional facilities like Lecture Capturing System, ICT enabled classrooms and CCTV surveillance systems are in existence.

Student Support and Progression

The administration of the institute is student centric. Student support and progression includes financial assistance, support facilities, capability enhancement and students participation in different activities such as Sports, Cultural, Student chapters, Alumni association etc. 50 to 55 % of the admitted students receive financial benefits from social welfare department of the government and other agencies.

The Institute implements Capability Enhancement Schemes for the progress of the students. These schemes are implemented in a structured manner through students' association and training cell. Students are motivated to progress for higher studies by arranging seminars of experts for preparation of competitive examinations.

Training and placement cells provide pre placement training/talk by experts from Microsoft, TCS, Zensar, FACE, etc. The prime recruiters are TCS, IBM, GE Healthcare, TechMahindra etc. The students are attending training programs/short term internship through Internshala and private companies to enhance technical skills.

Institute organizes intercollegiate technical and nontechnical competitions to exhibit the technical and professional skills of the students. To maintain the healthy competition, judges are invited from various institutions and industries. For overall development of students, the institute organizes Sports events and Cultural event, Annual social gathering. The students are encouraged to participate in the events organized by other institutes.

The students are members of Student council, academic and administrative bodies of the institution. The Student grievance cell, anti-ragging committee and Internal Complaint Committee are constituted as per the guidelines of Government of Maharashtra.

The Alumni interact actively with the institution through the registered Alumni association.

Governance, Leadership and Management

The effective governance of management helps in development of institute. Governing body has been constituted as per the norms of the AICTE. College Development Committee (CDC) is constituted as per the new Maharashtra Public Universities Act, 2016. These bodies play an important role in strategic plan reflecting vision and mission of the institute. The periodic interaction is made with all stakeholders for the preparation of strategic plan. The strategic plan of the institute includes deciding policies and practices such as capacity building and ICT. They decide policies to foster excellence in curricular and extra-curricular activities and ensure effective resource mobilization. The institute conducts internal and external financial audits regularly. The institute provides facility for online payment. The institute has a code of conduct for student, faculty and Principal. Faculties are involved in decision making process as members of different bodies and coordinators of different committees. The institute implements faculty empowerment strategies for quality improvement by motivating faculty to attend STTP, FDP, workshops, conferences and seminars. The Institute supports participation of faculty members in various capacity building programmes. The institute ensures welfare of the faculty through various schemes. IQAC is established in the institute in the year 2017. However the institute had mechanism to ensure quality assurance through the different committees and feedback system since its

establishment. The institute has teaching learning review process and introduced a reform related to proficiency in logical thinking and programming. The institute has implemented incremental improvements in academic and administrative domains.

Institutional Values and Best Practices

The institute has proved its distinctiveness in the field of technical education for women. The college management is very much conscious about safety and social security of students. Students residing in college hostel, feel safe and satisfied for the 24 X 7 security available at college hostel. Internal Complaint Committee is duly formed in the college which deals with the cases of sexual harassment against girl students or staff members at the workplace. The issues related to E-waste management are resolved by taking due care by collection and its disposal. Awareness of environmental consciousness is achieved through tree plantation activity. In order to ensure consciousness towards energy conservation students are encouraged to save electricity by switching off electrical appliances when not in use and make use of stairs instead of lift. The institute campus is well developed with pedestrian friendly roads. Physical facilities for Divyagjan friendliness are available in the institute. Code of conduct for staff and students is duly constituted. Activities are conducted for promotion of universal values and consciousness about National identities such as celebration of Teacher's day, Engineer's day, Independence day and Republic day. Active NSS unit organizes social activities to involve local community. Institute is serving as examination centre for conducting entrance examinations. Students can avail public transport facility due to good campus connectivity from different places of the city. The institute follows many student centric best practices that have shown improvements in various aspects of student development throughout the programme.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING FOR WOMEN
Address	Pune-Satara Road, Dhankawadi, Taluka- Haveli, District- Pune
City	Pune
State	Maharashtra
Pin	411043
Website	coewpune.bharativedyapeeth.edu

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Harish Vasantrao Vankudre	020-24371684	9860176909	020-24372210	coewpune@bharativedyapeeth.edu
Professor	Suvarna Sandip Chorage	020-24361732	9881717562	020-24372998	suvarna.chorage@bharativedyapeeth.edu

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	For Women
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

Date of establishment of the college	21-06-2000
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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
Maharashtra	Savitribai Phule Pune 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	30-03-2017	12	Yearly Extension of Approval by AICTE

Details of autonomy

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

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Pune-Satara Road, Dhankawadi, Taluka- Haveli, District- Pune	Urban	10	7694

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	BE,B E Computer Engineering	48	H.S.C. DIPLOMA B.Sc	English	60	60
UG	BE,B E Information Technology	48	H.S.C. DIPLOMA B.Sc	English	60	57
UG	BE,B E Electronics And Telecommunication Engineering	48	H.S.C. DIPLOMA B.Sc.	English	120	95
PG	ME,M E Electronics And Telecommunication Engineering	24	Bachelor Degree	English	18	4

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	6				15				46			
Recruited	2	3	0	5	3	6	0	9	13	32	0	45
Yet to Recruit	1				6				1			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
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				43
Recruited	38	5	0	43
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				22
Recruited	19	3	0	22
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.	2	2	0	1	3	0	0	1	0	9
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	1	0	2	3	0	11	30	0	47

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
	1		3		4

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	0	0
	Female	888	119	0	0	1007
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	9	0	0	0	9
	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	19	23	30	25
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	1	0	1
	Others	0	0	0	0
OBC	Male	0	0	0	0
	Female	63	56	58	59
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	108	143	178	147
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	26	28	32	19
	Others	0	0	0	0
Total		216	251	298	251

3. Extended Profile

3.1 Program

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

Response : 725

Number of self-financed Programs offered by college

Response : 4

Number of new programmes introduced in the college during the last five years

Response : 1

3.2 Students

Number of students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1009	1149	1128	1121	1078

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

2016-17	2015-16	2014-15	2013-14	2012-13
129	129	129	129	120

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

2016-17	2015-16	2014-15	2013-14	2012-13
279	328	298	256	254

Total number of outgoing / final year students

Response : 1415

3.3 Teachers

Number of teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
61	60	59	60	61

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

2016-17	2015-16	2014-15	2013-14	2012-13
61	60	59	60	61

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

2016-17	2015-16	2014-15	2013-14	2012-13
67	67	67	64	64

Total experience of full-time teachers**Response : 737****Number of teachers recognized as guides during the last five years****Response : 3****Number of full time teachers worked in the institution during the last 5 years****Response : 61****3.4 Institution****Total number of classrooms and seminar halls****Response : 16****Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
358.80448	342.84814	374.6095159	437.89508	307.99949

Number of computers

Response : 379

Unit cost of education including the salary component(INR in Lakhs)

Response : 94650

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 35560

NAAC

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:

With the vision of Women Empowerment through Technical Education, student centric approaches are used to plan and execute academic effectively. Department Advisory Board (DAB), Program Assessment Committee (PAC) are actively involved and provide inputs for effective curriculum planning and implementation at the institute level.

Planning

- Work load calculation and distribution is done well in advance based on course choices given by faculty, their experience and course expertise.
- Faculty members prepare their course files as per the course syllabus and structure.
- The academic calendar is prepared in reference to the affiliating university SPPU and circulated to all staff.
- The classwise time table is prepared.
- Individual time tables are given to faculty.
- Lab time tables are displayed in respective department's laboratories.
- Faculty members prepare planning of course objectives, outcomes, notes, teaching plan and record it in academic record book.
- Required resources and set ups availability is ensured in the laboratory before the practical conduction.
- Student registration is done on the first day of commencement of each term.

Implementation

- Subject related special programs or trainings are conducted to bridge the gap between institute and industry.
- Industrial visits are organized to provide the contents beyond syllabus to the students.
- Weekly review of each course is taken by heads of departments and necessary instructions are given.
- The institute has an effective and transparent attendance monitoring system.
- Parents of students having less attendance are communicated by sending letters, phone calls and called for meeting.

Effectiveness

- To support academic effectiveness, institute has a system of Guardian Faculty Members for each class and Student Counselor for each batch of students to increase the rapport with students and to address their problems.

- Provision of student's class representative and student batch coordinators, facilitate students to raise their problems.
- For the effective conduction of practical, lab-notebook is in place and mid-term submission is conducted. Continuous assessment of each student is done based on the practical conduction, assignments submission, performance in unit test, prelim test, retest and oral. Institute conducts mock practical and oral examinations.
- Faculty members are encouraged to participate in Faculty Development Programs, Syllabus Detailing Workshops, organize Expert Lectures. Faculty members are making effective use of ICT. Subject mentors guide subject teachers in resolving their queries.
- Institute has central online feedback system which collects feedbacks from the stakeholders.
- Faculty appraisal system for performance evaluation is in place.
- Considering the scope in industry and opportunity to opt for higher studies, the E&TC department has taken initiative and started post graduate course, ME (E&TC) with specialization in VLSI & Embedded Systems from A.Y. 2013-14.
- As a part of continuous assessment and to maintain the quality of topics, department conducts presentations and demonstrations for seminars and projects.

Publications and Exhibitions

Students are encouraged to publish their project work in reputed conferences and journals and participate in project exhibitions.

To summarize, the best academic planning, preparation and monitoring system is in place, resulting in very good academic environment in the institute.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 0

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

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:** 3.32

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

2016-17	2015-16	2014-15	2013-14	2012-13
00	01	01	00	00

File Description**Document**

Details of participation of teachers in various bodies

[View Document](#)

Any additional information

[View Document](#)**1.2 Academic Flexibility****1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years****Response:** 0.14

1.2.1.1 How many new courses are introduced within the last five years

Response: 01

File Description**Document**

Details of the new courses introduced

[View Document](#)

Any additional information

[View Document](#)**1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented****Response:** 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 04

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Any additional information	View Document

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

Response: 26.13

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

2016-17	2015-16	2014-15	2013-14	2012-13
346	418	264	207	195

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

Cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics are integrated into existing curriculum via courses such as Basic Civil and Environmental Engineering, Employability Skill Development, Industrial Management, Information and Cyber security etc as per the list provided in additional information.

1. Gender:

Being Women's institute, prime importance is given to the personality development of women into confident, competent and creative engineers. Institute encourages an environment free from gender violence, sexual harassment and gender discrimination amongst – students, teachers and non-teaching staff. For this institute has taken following initiatives

- Internal Complaints Committee (formerly Vishakha Committee) is formed as per Maharashtra State

Commission for Women guidelines.

- For the safety of students and women staff, awareness sessions with the help of police department and FSAI are conducted.
- Conduction of Cyber security awareness programs related to the safety of women employees and students.
- Programmes promoting Health Consciousness specifically related to women health are conducted.
- Celebrating International Women's Day Annually.
- SPPU and State Government Norms are followed while recruiting faculty.

2. Environment and Sustainability

- BE students are encouraged to take projects addressing Environmental issues viz. green energy, water management, agricultural electronics, solar energy etc.
- **Conserving Energy:**
 1. Switching off fans, tubes and electrical appliances while not in use is encouraged throughout the campus.
 2. Maximum advantage of day light can be taken due to the architecture of the institute building.
 3. Posters near elevators are placed explaining benefits of taking stairs instead of elevators.
- **Achieving 'Net Zero Carbon Footprint' :**
 1. The institute campus has many trees helping achieve carbon neutrality.
- **Tree Planting and Conservation:**
 1. The NSS unit of the institute carries out tree plantations in the institute, city and various villages where winter camp is organized.
 2. Students are encouraged to submit their assignments in soft copy. institute and departmental notices are circulated through WhatsApp group or emails.
- **Waste management:**
 1. Bins are set up everywhere to collect waste helping create awareness about waste management.
 2. Hazardous waste of the institute is disposed with due precautions.

3. Human Values:

- Institute has active NSS unit which organizes activities to inculcate social responsibility for understanding the root level problems faced in villages and try to provide solutions.
- NSS also creates lot of respect and awareness amongst students and staff as regards resources available to them.
- It also inculcates various life skills – Conservatism, Respecting Environment, Positive Thinking, Self Awareness and Mindfulness, Interpersonal Relationships, Decision Making, Effective Communication through participating in camps at University, District, State, National and International level, arranging social activities viz Swachhta abhiyan, Blood donation camp, Nirmal gram yojana, Police mitra, Literacy mission, Andhashradha nirmulan, Value education etc.
- Earn and Learn Scheme is available for economically backward students.
- Yoga activity, Meditation workshop and self defence demonstration are arranged.

4. Professional Ethics (PE):

- Punctuality, Leadership, Technical Competence, etc. are promoted through co/extra curricular

activities.

- Special Workshops aimed at making students creative and innovative are conducted.

IEI, IETE, CSI, ACM- are various student chapters focusing on PE.

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: 5

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

Response: 05

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

1.3.3 Percentage of students undertaking field projects / internships

Response: 1.98

1.3.3.1 Number of students undertaking field projects or internships

Response: 20

File Description	Document
List of students enrolled	View Document
Institutional data in prescribed format	View Document

1.4 Feedback System

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

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: C. Any 2 of the above

File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document

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

A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

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

File Description	Document
Any additional information	View Document

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: 10.07

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

2016-17	2015-16	2014-15	2013-14	2012-13
127	106	99	104	113

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: 82.36

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

2016-17	2015-16	2014-15	2013-14	2012-13
185	199	192	236	233

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

2016-17	2015-16	2014-15	2013-14	2012-13
258	258	258	258	240

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	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:** 59.82

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

2016-17	2015-16	2014-15	2013-14	2012-13
71	62	65	90	91

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2 Catering to Student Diversity**2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners****Response:****Assessment of learning levels of the students:**

The institute assesses the learning levels of the students after phase-I examination conducted by the affiliating University to identify the student as advanced learner or slow learner. Students scoring more than 80% are considered as advanced learners. These students are provided special guidance which helps them to excel in the academics. For subsequent years with similar efforts, consistent performance of the student in the internal and university examination is ensured. Students scoring less than 40% are identified as slow learners. Further, interaction of the student with the course teacher during classroom / tutorial sessions, continuous evaluation during the laboratory sessions and monthly attendance monitoring and are used to identify slow learners.

In order to respond to special learning needs of advanced learners, the institute implements the following:

- At initial level, opportunities are provided for certification courses and value added programs. Students are motivated to participate in skill based learning projects, poster presentation, coding competitions etc.
- At the second year level, students are encouraged to take up mini projects to understand project based learning.
- Project competition and exhibitions are organized annually to showcase the projects of the third and final year students. Students are encouraged to undergo internship in industry so as to understand the processes used in the industry and the use of latest tools.
- The final year students are motivated to work on industry defined problem statement as a part of

their project. These project groups are encouraged to participate in innovative project competitions such as “Avishkar”, “DIPEX” and National / International conference. To encourage pursuance of higher education, guidance is provided for preparation of competitive exams such as GATE and GRE.

- The top performers of each class are awarded during the annual social gathering. These students are provided with additional books from the central library.

The efforts taken by the institute in order to respond to special learning needs of slow learners are:

- The student counsellor is assigned to a batch of students. The slow learners can put forth their problems during the monthly counselling meetings or can approach the counsellor personally as and when required to discuss their problems. The problems of the student are then handled in consultation with the course teacher, GFM, HOD, Principal and parents of the student.
- Course teacher interacts on one-to-one basis to understand the difficulties faced by the student in her learning process and conducts remedial lectures / practical sessions for these students which helps to improve their academic performance. These students are provided with additional set of assignments / tutorials.
- Special attention is provided to the students who repeatedly fail in the same course and are advised to follow specific pattern for attempting the examination.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 16.54

File Description	Document
Institutional data in prescribed format	View Document

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:

Student Centric methods:

Institute teaching learning paradigm is shifted from traditional teaching learning process to more interactive and innovative teaching learning process through faculty enrichment programs such as Wipro Mission10X, Use of ICT in Education for Online and Blended Learning, T10KT conducted by IITBombay to achieve Outcome Based Education (OBE). To enhance the learning experience of the students teachers are encouraged to attend Faculty Development Programs, Workshops, Seminars, and Special Training Programs. Capacity building program is initiated by the institute to enable teachers on how to mentor and guide the students.

Experimental learning

Students are insisted to select their project problem statement based on the research papers from reputed journals. Simulation software are used by the students for implementation of the project. Experimental and Collaborative learning is achieved through practical sessions, project preparation and tutorials. Students are well acquainted with domain related recent trends. High end software and various software tools are available in the laboratory to experience the experimental learning. Special purpose equipments are available for the students to work on their projects. Workshops are organised to provide hands on experience.

Participative learning and Problem Solving Methodologies

Post Graduate Students are instructed to publish their papers in the reputed journals and conferences. Institute organizes Project competitions, Quiz competitions, Coding competitions, Roborace and paper presentation so that students can exhibit and demonstrate the outcome of their participative learning and problem solving. Mini projects and creative assignments are given to inculcate the problem solving methodologies. Financial assistance is provided to the students for paper presentation and publications in the reputed conferences to promote the research culture. Following activities are organised for student centric learning:

- Capacity Building Program
- Mock viva
- Group discussions
- Training for aptitude tests
- Seminars for independent learning
- Quiz
- Industry Visit
- College magazine
- Technical Festival, “Jishin”.
- Debates

Students and teachers avail the facility of NPTEL videos available in the central library for independent learning. Web based learning is done through youtube videos and course material available on the web site

of respective course teacher as well as through the webinars. Inductive learning is done through set of rules decided by the course teachers to conduct the software based lab sessions. Students make some observations and conclusions.

For exploring the problem solving methodologies time bound assignments are given by the respective course teachers. Course objectives and course outcomes are designed for every course and communicated to the students. Teacher ensures the delivery of the lectures for attainment of expected learning outcomes. Based on the feedback, teachers adapt changes in the delivery of the lecture.

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

Response: 77.05

2.3.2.1 Number of teachers using ICT

Response: 47

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	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: 17.7

2.3.3.1 Number of mentors

Response: 57

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

Teaching innovation is the process of coming up with new ideas, theories, collaboration and solutions that can be shared in the classroom. Components of innovation are creative, diverse, collaborative, and

perceptive learning. Creative efforts are followed by the teacher to bring out the innovation in classroom. Experienced faculties have come out from the traditional way of teaching and learning (chalk & talk) and adopted innovative and creative approach. Innovative methods used are as follows:

E-learning :Faculty have created courses on Moodle, Myexamo, Wordpress, Android Apps for their respective courses to implement flipped classroom activities which provides not only a huge E-learning repository at different cognitive levels like multiple choice question quizzes, assignments, practical write ups, question bank, animations, video lectures but also many platforms for interaction with students like discussion forum, chat forum.

Interactive learning: Faculty have designed quizzes & crossword puzzles to test progress of students. Faculty facilitate methodologies such as group interactions and role plays among the students to make learning interactive. Faculty members show animations, videos, 3D models in classrooms, pose a question to visualise and think on the topic. Students are allowed to pair and share their answer. Faculty ask students to make use of clickers for MCQ question posed during the lecture or take vote from students about the correct answer, the aim of this activity is to correct the logic for problem solving approach.

Problem based learning: Faculty poses critical questions and conducts brain storming sessions to develop their own logic & enlist the possible solutions. The students undergo hands on training for fabricating an antenna. Students were divided into groups of 4 to 5 and given the problem to design and fabricate the antennas. Students fabricated and tested it with Vector Network Analyzer.

Co-operative learning: Faculty encourage students to prepare and participate in paper presentation, project exhibitions, industrial visits, internships etc. For some of the courses students are instructed to prepare their write ups / Journals, charts in groups through the reference books. Mock interviews are conducted for second year E&TC students by final year students placed through campus placement. The placed students shared their interview questions and experience.

Project based learning: Faculty from E&TC department guides students to design kits for courses like control systems, analogue communication & integrated circuits. Faculty from IT department encourage students to design and develop projects based on current issues in the field of medical, agriculture, security etc using Cloud Computing, Remote Sensing and Image Processing. Faculty from Computer Engineering department guide students to design and implement different mobile Apps like college information and event management. With the help of faculty, students set up lab and implement projects in cloud computing and security. Irrespective of syllabus requirement, faculty from First year Engineering department emphasis on preparing projects in applied engineering. First year students have carried out project titled “Tree census of Bharati Vidyapeeth’s College of Engineering For Women Campus through ODK collect,Google Cloud Computing and Google Earth for GPS mapping” through interdisciplinary approach.

2.4 Teacher Profile and Quality

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

Response: 91.54

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
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: 10.63

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
9	9	6	4	4

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

2.4.3 Teaching experience per full time teacher in number of years

Response: 12.08

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	View Document

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: 3.32

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	1	0	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

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

Response: 0.92

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	1	1	1

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

2.5 Evaluation Process and Reforms

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

Response:

The institute is affiliated to Savitribai Phule Pune University, so rules regarding evaluation are followed as per the instructed by notifications issued on university website. These are sent to all departments through college exam officer. Notices are circulated among students for the awareness of the fairness and total transparency in the evaluation process.

Credit System for Undergraduate programs beginning with F. E. was introduced by SPPU in 2015 Apart from this, there was major shift in the evaluation system from 2012. The evaluation of current system is a continuous process involving a combination of MCQ computer based Online examination and end semester examinations for First and second year students and in semester and end semester examinations for third and final year students.

Thorough assessment methodologies are adopted at institute level such as Unit Test, Theory Assignment, Mid-term exam and various learning based activities are implemented by the institution to test student's learning outcomes.

College prepares its students for exams through Unit Tests, mid tests and prelims exam for end sem theory exam and assignments, practice practical and mock exam for practical and oral exams. Term work evaluation is revised to include activity based assessment.

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

Response:

Effective implementation of the evaluation is ensured at institute level. The institute has established a dedicated examination cell. CEO (College Examination Officer) is appointed for monitoring all university examinations such as online examinations, in semester, end-semester examinations as per schedule and norms given by the University. A separate coordinator is appointed for conducting online examination.

Institute has implemented the evaluation reforms of the University by meticulously following and implementing the ordinances, rules and regulations laid down by SPPU from time to time. Institute has well established infrastructure to conduct online examinations. CEO along with the heads of the respective departments ensure that internal assessment is done in transparent way by informing faculty, staff and students regarding rules and reform and implemented it strictly. The internal evaluation academic system has been updated by allocating various weightages to various areas for holistic development. Soon ERP system will be used to support reforms. Internal Assessment is assessed throughout the semester for termwork and assessment scheme is informed to the students to bring in transparency. Assessment is done twice, first at the mid of the semester (Mid-Term for the 50% completion of practical assignments) and then at the end of the semester (End-Term for 100% completion of practical assignments).

Mid-Term Assessment and End-Term Assessment are evaluated on the basis of following conditions-attendance, Unit Test-I Marks, progressive assessment Marks, timely submission, performance and understanding, Mock/Oral Marks and activity marks. Faculty discusses exam performance and difficulties faced with students to motivate them to improve their learning and overcome the shortcomings. Final year student project reviews are conducted to evaluate the students continuously and measures are taken to overcome their weaknesses and scope for further improvement. Students are instructed to maintain log books with records of their project progress. These logbooks are checked by guides on a regular intervals. Mock presentation and project exhibition is conducted. Direct and indirect methods of assessment are used to assess learning outcomes and the outcome are discussed with students.

At PG the assigned subject teacher is accountable for conduction and evaluation of internal assessment and announces at the beginning of the course about the methods under which internal assessment would take place. This consist of 50 marks and is a activity carried throughout semester and consist of two written tests, Seminar presentation, Assignments and other task as specified by university.

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

Response:

Mechanism to address grievances is in place at University level and institute level for end semester examinations and online examination. Students are informed about assessment methods at the start of the semester and in due course. The answer sheets of internal tests (Unit Test) are handed to the students and performance of the test are discussed by the course teacher with student. Grievances of student with the internal evaluation process is discussed and their doubts are cleared by respective faculty members. If they are not solved the students can approach department head and Principal in case of any further grievances.

Examination conduction, evaluation of paper and declaration of results is done by University. The mechanism for redress of grievances with university examinations are as follows. After declaration of University exam results by university, students can apply for photo copy of their answer sheets. This is done by student through online exam portal. After receiving photo copy of answer copy, she can apply for reevaluation through online exam portal with help of examination department. In case of any other exam related grievances student approaches exam department or CEO who addresses all the grievances.

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

The institute has practice of preparing the academic calendar in reference with the university academic calendar well in time before commencement of term. The considerable weight age is given for the Continuous Internal Evaluation (CIE). As a part of CIE the institute has proper plan and activities for the effective conduct of CIE which adds value and contribute in the effective academic delivery.

The university calendar has evaluation mechanism in terms of online examination, insem-examination and end-semester examination for theory subject / course. For practical subject/ course the practical / oral examination are planned at the end of semester. To support and make effective the college has CIE in its academic calendar. The unit tests are planned and conducted for all the classes before the conduct of university online examination (phase I, II for SE) and the INSEM examination (TE, BE). It helps students preparing before university examination and also helps improve their performances. The prelim examination is conducted before the university ENDSEM examination on the complete syllabus. Unit wise assignments are given regularly and also verified by subject teachers time to time. Two unit tests and a prelim examination are conducted as a part CIE. Retests are conducted for slow learner students for practice and improvement of performance.

For students to excel very well in the online examination institute has tie –up with agency “MYEXAMO”, which provides login ID and password to individual students of the institute level which helps students preparing and practicing for online examination. Which helps students to appear and practice for online examination on a given topics as many times they want to appear. University conducts PR/OR/TW examinations at the end of semester. Institute has proper planning in this regard. The practical write ups are checked weekly. Institute has a unique practice of “Practical Note book” maintained by every student, which is the collection of the entire practical performed in the various labs in a semester. Which helps students at the time of writing journals on their own without referring other students journal. The

“Mid Term Submission” activity is planned to verify all the practical assignments in all the laboratories and are checked by the subject teacher. Activity of “Mock PR/OR/TW” examination is also conducted at the end of semester for improving student’s performances in the university practical, oral examination. The mini project, seminar and major project are taken special care by arranging presentations for the selection of the topics and problem statements which are relevant, latest and from reputed journals.

Project exhibition is arranged every year to assess the performances of projects by inviting outside, industry experts as judges. In summary for theory subjects, practical examinations, online examination the institute has a proper mechanism in place via academic calendar as per CIE and institute strictly adheres to that.

File Description	Document
Any additional information	View Document
Link for 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:

The following modes give the Program Outcomes and Program Specific Outcomes and are published and disseminated:

- College Website- Department Home page.
- Through faculty meeting, alumni meet, parents counseling meet, industry interactions, workshops conducted, HOD (Head of Department) address to the students at beginning of the semester it is disseminated to the stakeholders.
- Displays in Department office, Notice Board, Faculty course file.

The Course Outcomes (COs) are published and disseminated through following modes:

The responsibility to disseminate the COs to students in classrooms is taken by the Course faculty. COs are

published in course file, presentation and e-learning resources.

File Description	Document
COs for all courses (exemplars from Glossary)	View 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:

The attainments levels are determined by direct (student performance) and indirect (surveys) assessment methods.

Direct Assessment:

Process for Direct Assessment Method is as follows:

Course Outcome (CO) Attainment:

- Attainment level is measured in terms of student performance in internal examinations with respect to Course Outcomes of a course and university examinations.
- Target is stated as the average marks in the corresponding examination for last three years.
- Attainment levels are defined as follows:

Level 0: Less than 50% of students scoring more than set target marks.

Level 1: 50% of students scoring more than set target marks.

Level 2: 60% of students scoring more than set target marks.

Level 3: 70% of students scoring more than set target marks.

- Attainment is measured in terms of actual percentage of students getting set percentage of marks.
- CO attainment is calculated by assigning 60% weightage to university examination and 40% weightage to internal assessment.

Program Outcome (PO) and Program Specific Outcome (PSO) Attainment:

- A particular PO/PSO is mapped to all COs of a course by considering correlation levels 1, 2 and 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

- Direct attainment level of PO and PSO is determined by considering all courses and hence CO attainment addressing that PO/PSO.

Indirect Assessment

Process for Indirect Assessment Method is as follows:

- Surveys such as Exit survey, Alumni survey, External examiner survey, Project examiner survey, Question paper survey, Employer survey and Parent survey are considered in the indirect method, which contributes to the attainment of POs and PSOs.
- These give an idea about the strengths and weaknesses of program, thus providing a basis for revision of Pos and PSOs.

Overall PO/PSO Attainment

- PO/PSO attainment level is based on attainment levels of direct assessment and indirect assessment.
- PO/PSO attainment level is determined by assigning 75% weightage to direct assessment and 25% weightage to indirect assessment.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 96

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

Response: 1415

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

Response: 1474

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 2.7

File Description	Document
Database of all currently enrolled students	View Document

NAAC

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: 0

3.1.1.1 Total Grants for research projects sponsored by the government/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)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of project and grant details	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 6.56

3.1.2.1 Number of teachers recognised as research guides

Response: 4

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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

Response: 0.25

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

Response: 3

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Funding agency website URL	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:

An Eco-system for innovations

The institute runs undergraduate courses in Computer Engineering, Information Technology and Electronics and Telecommunication Engineering and post graduate course in VLSI and Embedded Systems under Electronics and Telecommunication Engg.

The eco system for innovation includes

Entrepreneur Development Cell (EDC)

EDC-Cell works in collaboration with Alumni, faculty and the students committee. It aims to promote entrepreneurship initiative among the students of college.

Industry institute interaction cell

To upgrade with upcoming technologies, staff and students are frequently interacting with the different industries. From this perspective Memorandum of Understanding have been signed with industries.

Domain specific research group

Faculties from respective departments have created different technical domains according to their specialization e.g. Cloud Computing, Artificial Intelligence, Image Processing, Android, Communications, VLSI, Embedded Systems etc. Project guides are allotted according to the specific domain for the final year students.

Research committee

Faculty and students are encouraged to publish their research papers in the reputed online/ print journals and conferences. Code of ethics for plagiarism check is highly encouraged.

Student Chapter:-

Sr. No	Name of Department	Name of Student Chapter	Year of Est

1	Electronics and Telecommunication Engineering	Institute of E&TC Engineers(IETE)	2006
2	Electronics and Telecommunication Engineering	Institution of Engineers (India)	2009
3	Computer Engineering	CSI Student Branch	2014
4	Information Technology	BV College of Engineering ACM-W Student Chapter	2015
5	Computer Engineering	FSAI Student Chapter	2016

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: 48

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

2016-17	2015-16	2014-15	2013-14	2012-13
7	9	6	11	15

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document
Any additional information	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
Any additional information	View Document

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

Response: Yes

File Description	Document
List of Awardees and Award details	View Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0.33

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 1

File Description	Document
URL to the research page on HEI web site	View Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document

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

Response: 0.27

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

2016-17	2015-16	2014-15	2013-14	2012-13
11	1	1	2	1

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

3.3.5 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: 2.21

3.3.5.1 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

2016-17	2015-16	2014-15	2013-14	2012-13
28	38	47	11	9

File Description	Document
List books and chapters in edited volumes / books published	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:

College believes that knowledge and practices will define the professional career of the students. Whereas to develop emotional and psychological skills in addition to formal academic schedule, students should be motivated to perform certain additional activities.

All students are motivated to facilitate community people by various activities such as cleanliness drive at Katraj bus depot. Students enjoyed working in a group and facilitate society.

To develop a sense of empathy in terms of helping others, activity like celebrating bus day, cricket competition for blind children, "Happy street" was conducted where cake cutting ceremony, entertainment programme for construction site children and their parents was organized. Organ donation awareness camp was conducted at college premises. Students enjoyed Volunteership at the time of Varkari arrival in Pune.

The ability to understand and think from someone else perspective is extremely important. Students listen to remand home children, transgender and written a script to address these sensitive issues. From script writing to stage performance everything was done by the students of the institute. Street plays such as

“Kalay tasmay namaha” addressing the issues of transgender, and “Harawali pakhre” addressing the issues of remand home children, farmer suicide issues were addressed by our students.

Holistic approach:

Holistic approach is basically an acknowledgement of a system which believes everything is networked together and inter-dependent. Apart from studying, students are encouraged to take part in many activities. College believes that student should be good human being first. Women empowerment is possible through overall development of students. From this perspective college has signed MoU with AACCI (Association of Adolescent and Child Care in India). The MoU will create a platform for discussion of student issues considering their diverse socioeconomic background.

Students are practicing 'yoga' daily for fifteen minutes.

For motivating all students “Ek Vachan Shivrayana”, an inspirational play based on Shivaji Maharaj was presented. To promote our mother tongue students celebrated “Marathi Bhasha Divas”.

The institute also actively celebrated Makar-sankranti festival but in a different perspective. Students interact with old age people at Nivara Old age home. The students donated clothes and grocery to Non Profit Organization “Omkar Trust Gurukul Ashram” working for orphanage children at Gujarwadi.

To develop multi-tasking abilities and putting ourselves into some one else shoes activities like Police Mitra was conducted. Students were trained by Police team and actually assist police in their duty at the time of Ganesh festival.

Maintaining our own Health is major challenge for many students may be because of hectic academic schedule. So to create awareness about own health, camp for HB, BMI check up etc was conducted. As well self defence workshop was organised. “Heartfulness” organization conducted workshop on meditation.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 23

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

2016-17	2015-16	2014-15	2013-14	2012-13
10	4	5	1	3

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: 132

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

2016-17	2015-16	2014-15	2013-14	2012-13
40	55	23	9	5

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: 70.16

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

2016-17	2015-16	2014-15	2013-14	2012-13
995	987	729	375	735

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document
Any additional information	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: 118

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

2016-17	2015-16	2014-15	2013-14	2012-13
47	34	28	5	4

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document
Copies of collaboration	View Document
Any additional information	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: 3

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)

2016-17	2015-16	2014-15	2013-14	2012-13
3	0	0	0	0

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View 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:

The institute has sprawling campus with an area of 40468.6 Sq. Mtr. The institute has developed its infrastructure as per the norms for Land requirement and Building Space for Technical Institution laid down by Statutory Regulatory Authority - AICTE and SPPU.

Institute fulfil all the requirements related to instructional, Administrative, Amenities & circulation area. Resources are shared across departments whenever needed. Internet facility is available through LAN, Wi-Fi and leased line with sufficient bandwidth. Institute has good infrastructure facilities such as –

Classroom – Institute has 12 classrooms for UG and 1 classroom for PG. All classrooms are well-furnished with ICT facilities.

Laboratories- Institute has 28 laboratories and 2 Computer Centres. All laboratories are well furnished and equipped with required hardware and software. Computer labs are equipped with computers with internet connectivity, printers, scanners, UPS/generator backup.

Central Library - Open access system, use of SOUL 2.0 software, availability of good number of reference books and journals, spacious reading hall are the salient features of the central library. Digital Library and Language Laboratory is available. Access to Science Direct, Elsevier, IEEE, NPTEL videos and other reputed National/International journals is made available.

Other Facilities- Institute has two seminar halls with facilities as LCD projectors, public addressing system and internet connectivity. Institute has sufficient number of application and system software. Central workshop facility is utilized by all the departments. Central reprographic and scanning facility is available.

Facilities	Details	Required Number as per AICTE	Available numbers
Instructional Area	Classroom	12	12
	Laboratory	27	28
	Drawing Hall	01	01
	Seminar Hall	02	02
	Tutorial Hall	04	04
	Workshops	01	01
	Computer Centre	01	02
	Library	01	01
Administrative	Principal office	01	01

Area	Board room	01	01	
	Office	01	01	
	Dept. office	04	04	
	HOD cabin	04	04	
	Faculty room	Adequate	Adequate	
	Central store	01	01	
	Maintenance	01	01	
	Security	01	01	
	Pantry of staff	01	01	
	House kipping	01	01	
	Exam control	01	01	
	Placement office	01	01	
	Amenities area	Boys common room	00	00
		Girls common room	01	01
Boys hostel		00	00	
Girls hostel		01	01	
Cafeteria		01	01	
Stationary store room		01	01	
First Aid/ Sickroom		01	01	
Ladies &Gents toilets		Adequate	Adequate	
Principal Quarter		01	01	
Sports/Gym		01	01	

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:

Sports, games (Indoor, outdoor, gymnasium, yoga centre etc):

Bharati Vidyapeeth's College Of Engineering for Women is provided with excellent facilities & the spacious playground. Campus playground is used for various purposes like lead college sports events as well as inter college sport events. It helps the students to participate in various tournaments organized by Board of Sports & Physical Education Committee, Zonal Sports Committee of Savitribai Phule Pune University, Pune City Zone Sports Committee, etc.

The Institute has an independent section for Gymkhana for the physical fitness of the students. Students are provided with all the necessary sports equipments. Students make use of 16 stations multi Gym exclusively for regular exercises.The institute organizes Annual Sports Week every year.

Facilities available for Indoor and outdoor sports are given below:

Sr. No.	Sports Facility	
	Indoor	Outdoor
1	16 Stations Multi Gym	Volley ball court
2	Chess kit	Basketball court
3	Carom tables	Cricket Ground
4	Table Tennis (TT) boards	Football Ground
5	Yoga & Meditation mats	Kho-Kho court
6	-	Kabaddi court
7	-	Athletics tracks

Cultural activities:

Bharati Vidyapeeth's College of Engineering for Women organizes "Annual Social Gathering" every year. Many students showcase their talents of singing, dancing and acting with their mesmerizing performances. The institute also organizes techno-cultural annual activity called "Jishin". This event hosts various technical competitions such as coding competition, design competitions, Robotics, Paper presentation etc.

Students who have excel in academics, sports, cultural and other events are felicitated during Annual Social Prize distribution function

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 87.5

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 14

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document
Link for additional information which is optional	View Document

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

Response: 77.39

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

2016-17	2015-16	2014-15	2013-14	2012-13
330.238	288.417	302.122	225.242	242.390

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

4.2 Library as a Learning Resource

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

Response:

Library is partially automated using Integrated Library Management Systems (ILMS). ILMS software SOUL 2.0 through which, Library books are searched by the Author's Surname, Title, ISBN, Accession Number, Publisher name etc. since academic year 2012-13. It has sufficient number of textbooks, reference book, social welfare books, National and International Journals/Periodicals to satisfy the requirements of the AICTE and syllabus of the university. According the reading interest of students various literatures, Biographies, employment news, Daily News papers (English, Hindi and Marathi languages). E-resources through INDEST-AICTE Consortium are made available in a good number. Area of Library is 408 sq. mtrs. with spacious reading hall with a capacity of 200 students.

SOUL 2.0

Name of the LMS software	Software for University Libraries (S)
Nature of automation (fully/partially)	Partially
Version	Soul 2.0

About SOUL 2.0:

Software for University Libraries (SOUL) is a state of the art integrated library management software designed and developed by the INFLIBNET (Information and Library Network) center based on requirements of college and university libraries. It is user friendly software developed to work under client server environment. The software is compliant to International standards for Bibliographic formats, networking and circulation protocols. After a comprehensive study, discussions and deliberations with the senior library professionals of the country, the software was designed to automated all housekeeping operations in a library.

SOUL 2.0 has been designed for latest version of MS SQL and MySQL (or any other popular RDBMS) . SOUL 2.0 is compliant to international standards such as MARC 21 bibliographic format, Unicode-based Universal Character Sets for multilingual bibliographic records and NCIP 2.0 /SIP2 based protocols for electronic surveillance and control.

Major Features and Functions:

- ? Compliant to international standards such as MARC 21, AACR2, MARCXML.
- ? Client – server based architecture, user-friendly interface
- ? Supports online copy cataloguing from MARC21 bibliographic database.
- ? Provides default templates for data entry of different type of documents.
- ? Supports ground level practical requirements of the libraries such as book bank Vigorous maintenance functions transaction level enhanced security, etc.
- ? Highly versatile and user-friendly OPAC with simple and advanced search.
- ? Update form software as well as offline update.
- ? Provides single window operation for all major circulation functions.

Modules:

Acquisition, Catalogue, Circulation, OPAC, Serial Control, Administration

Online Public Access Catalogue (OPAC)

Simple Search, Boolean Search, Advance Search,

Provide Webopac: on IP Based URL 172.16.84.27/webopac

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

The Rare Book Collection of Bharati Vidyapeeth's College of Engineering for women Library includes books in the fields of literature, history, art, technology and science, self-development books and Competitive Examinations Books for improving the reading habits, especially, among the students. The mission of The Rare Book Collection is to make its collections accessible to all who wish to learn and to preserve these collections for future users. In the central library, high-priced books are made available for students. Apart from this, there are other non-traditional books in the library i.e. spiritual, Sanskrit, and university rules etc.

Some of the books are Constitution architect Dr. Babasaheb Ambedkar, Former President Dr. A. P. J. Dr. Abdul Kalam, Former Prime Minister Indira Gandhi, Founder of Bharati Vidyapeeth's Hon'ble Dr. Patangraoji Kadam Saheb, Rajarshi Shahu Maharaj, Kiran Bedi etc. are available for reference.

File Description	Document
Any additional information	View Document

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: A. Any 4 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: 18.95

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

2016-17	2015-16	2014-15	2013-14	2012-13
20.57074	28.39302	20.1686	14.34996	11.28893

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
Any additional information	View Document

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

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 21.68

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

Response: 232

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The Institute fulfills the norms specified by Statutory Regulatory Authority, AICTE and affiliating university, Savitribai Phule Pune University to provide IT facilities and update it time to time. The Institute caters following IT facilities,

- Servers
- Computers
- Printers
- Scanners
- LAN Facility
- Internet Facility
- Wi-Fi Facility
- Licensed Software

IT Facilities updation details are as follows

Sr. No.	IT facility	Specification	Nature of updation and Count of updated	Date of updation
1	Computers	Computer PIV Intel 2.93GHz Processor, Intel 41 RQ motherboard, Seagate 250GB HDD ,SATA Dynet 2 GB DDR2 RAM , DVD/RW ,SATA Logitech key +mouse ,ATX cabinet with 450 W SMPS 19" TFT Samsung	G-Force graphics card added in 16 machines.	27/03/2015
		Lenovo branded computer Intel core i3 Processor. Intel original mother board DDR3,,4GB RAM ,500GB SATA HDD, DVD R/W,/Keyboard with mouse and	4GB RAM updated in 16 machines	07/05/2016

		18.5" Monitor		
2	LAN facility	Configured with Layer-2	Updated with Layer 3 switches	03/03/2017
3	Internet facility	16 Mbps with 1:1 contention ratio leased-line wired connection	Earlier it was 4 Mbps	09/03/2016
4	Wi-Fi facility	Cisco routers with high capacity, access points and controllers.	Campus wide Wi-Fi facility	16/07/ 2014
5	Quick Heal Endpoint Security	32 bit Version 2017-18	Year-wise Renewal	15/02/2017
6	MSDN Academic Alliance	32 & 64 bit Version 2017-18	Year-wise Renewal	1/10/ 2017

Institute prefers open source software for practical implementations. This software is updated time to time as per the requirements.

Servers: Institute has 4 dedicated servers used for conduction of online examination, one time password generator server for Wi-Fi facility, Proxy server and Windows Antivirus server.

Computers: The Institute has total 379 computers with modest configuration to serve the purpose of students as well as faculty

Printers: The Institute has altogether 67 printers. The types of printers are dot matrix, Laser Jets, All in One and inkjet

Scanners: Total 6 Flat Bed scanners are available in the Institute for scanning the various documents. 1 Web OPAC Scanner in the Library used for bar code scanning of the books.

File Description	Document
Any additional information	View Document

4.3.2 Student - Computer ratio

Response: 2.66

File Description	Document
Student - Computer ratio	View 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:** 5-20 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View 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
Link to photographs	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:** 45.09

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)

2016-17	2015-16	2014-15	2013-14	2012-13
195.27545	173.36318814	129.27695	153.0208708	157.03607

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document
Any additional information	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:

The Institute has fixed policies in the regard of Physical, Academic and Support facilities. As per the requirements from The Head of the Departments and the Concerned Section in-charges, budget is allocated for maintenance and upkeep of the facilities like building, furniture, equipment, computers and laboratories.

- **Physical:** It comprises of class rooms, seminar hall, tutorial room, girls common room, Gymkhana, and NSS room. All these rooms are cleaned by daily wages women appointed by Housekeeping Department of Organization and this activity is monitored by departmental laboratory assistant.
- **Academic:** It comprises of maintenance of laboratories, computers, Wi-Fi facility and library.
- **Laboratories:** Laboratory in-charge & laboratory assistant look after the maintenance of each laboratory. The register is maintained in each laboratory for recording the maintenance details of equipment. Each laboratory has separate dead stock register to record the purchases related to laboratory. When new purchase is to be made, then laboratory in charge proposes the annual requirement and provisions for the same are accordingly in the budget.
- **Computers:** All the computers and peripherals are checked by laboratory in charge and laboratory assistant for any problems as and when required. Generally Laboratory in charge and laboratory assistant ensure proper working of all equipments before the start of each semester. Any maintenance activity, if needed is carried out and necessary consumables are purchased.
- **Wi-Fi facility:** The maintenance of access points, routers and controllers is performed by the technical support engineer of the institute.
- **Library:** At the start of every academic year book requirement procedure is initiated by library in charge from each department through book requisition form to purchase the required books. Issue and return procedures of books are done manually as well as in software SOUL 2.0, which keeps the track whether issued books are returned or not. Non return books record is kept manually & it is cleared by respective student at the time of clearance
- **Support:** It comprises of photocopy machine, sports complex, fire extinguisher, water purifiers, plumbing, electrical maintenance, and civil maintenance. The detail maintenance procedure is elaborated as follows:
 - The maintenance of photocopy machine is looked after by the store in-charge of the

institute.

- Fire extinguishers are provided at multiple strategic locations and maintenance is done through AMC.
- Maintenance of furniture items and metal fixtures is carried out by Workshop.
- Maintenance of Water Purifiers is performed by Euro-Smart Company as a part of AMC.
- The maintenance of Water Coolers, Glass Fittings, and Plumbing are looked after by Store In charge of the Institute.
- Electrical appliances replacement and maintenance are looked after by Institute Electrician and his team
- Maintenance of Lift is performed through AMC of OTIS Company.
- Annual maintenance contract is signed by Computronix for Generator and UPS.
- General civil maintenance and upkeep of civil infrastructure is carried out by the Bharati Vidyapeeth's building section.

File Description	Document
Any additional information	View Document

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: 55.12

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

2016-17	2015-16	2014-15	2013-14	2012-13
650	612	582	593	576

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: 2.2

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

2016-17	2015-16	2014-15	2013-14	2012-13
22	28	34	21	16

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
Any additional information	View Document
Link to Institutional website	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: 6.54

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

2016-17	2015-16	2014-15	2013-14	2012-13
122	99	54	37	42

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

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 0.17

5.1.5.1 Number of students attending VET year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	0	1	0

File Description	Document
Details of the students benefited by VET	View Document
Any additional information	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
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Any additional information	View Document

5.2 Student Progression

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

Response: 23.65

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

2016-17	2015-16	2014-15	2013-14	2012-13
55	105	79	54	48

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: 5.38

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: 48.84

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

2016-17	2015-16	2014-15	2013-14	2012-13
7	15	12	24	2

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

2016-17	2015-16	2014-15	2013-14	2012-13
135	104	42	25	2

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
Any additional information	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: 8

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	3	0	2	0

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
Any additional information	View Document

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

Response:

Institute has established student council since 2014-15.

Selection:

As per section 40 (2) of the said M. U. Act, 1994 the college / institute has to form the Students Council. The constitution of BVCOEW student council for Academic Year 2016-17 is as follows :-

Sr.No	Name of the Member	Designation
1	Prof.H.V.Vankudre	Chairman
2	Prof.K.R.Chaudhari	Student Welfare Officer
3	Prof.S.A.Itkarkar	NSS Program Officer
4	Prof.K.B.Naikwadi	Sports Coordinator
5	Miss.Sakshi Bhasin	General Secretary
6	Miss.Apoorva Thakare	NSS Secretary
7	Miss.Seema Patil	Sport secretary
8	Miss.Abhilasha Gondchar	Cultural secretary
9	Miss.Anushka Parmar	Student Member Nominated by principal
10	Miss.Saloni Satute	Student Member Nominated by principal
11	Miss.Shital Patil	Student Member (SE IT)
12	Miss.Siddhi Deshpande	Student Member (SE Comp)
13	Miss.Anushka sapre	Student Member (SE E&TC)
14	Miss.Nalini Tripathi	Student Member (TE IT)
15	Miss.Rutuja Sapkal	Student Member (TE Comp)
16	Miss.Samradhni Kapase	Student Member (TE E&TC)
17	Miss.Karishma tyagi	Student Member (BE IT)
18	Miss..Neha Gaikwad	Student Member (BE Comp)
19	Miss.Shashanki Singh	Student Member (BE E&TC)
20	Miss.Atamaja Dhumal	Student Member (FE)

Funding:

As college is affiliated to Savitribai Phule Pune University activities such as NSS, Cultural and sports are organized and conducted under Student Welfare. These activities are funded by SPPU partially.

Representation of students on academic & administrative bodies/committees of the institution:

Student council conduct the meeting to address the various problems and issues faced by the students;

which are then put up in front of respective committees'. There are various technical and Non-technical committees existing in the institute where students are involved to give their views and suggestions. Students are nominated for the constitution of various committees and the selected student volunteers organize various events and activities in coordination with faculty. Students are members of IQAC, IAB, DAB, NSS, ICC, Alumni Association, EDC and anti-ragging committee.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 7.8

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

2016-17	2015-16	2014-15	2013-14	2012-13
8	7	7	9	8

File Description	Document
Report of the event	View 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:

College is having registered alumni association at charity commissioner's office, Pune, Maharashtra. Registration No- Maha /1403/2017/Pune, dated on 6th October 2017. Alumni association is aiming to strengthen alumni contribution in terms of financial and non-financial means. Alumni interact with the college and contribute as a resource person for workshops, seminars, training programs, conduct the GD's and PI's. Alumni meet is organised every year and Alumni feedback is taken during alumni meet. Bharati

Vidyapeeth organisation arranged Alumni Mega Meet in the different cities in country (Pune, New Delhi,) and cities abroad (Dubai and Boston) in the A.Y. 2014-2015 where alumni from BVCOEW have participated.

Institute has provided separate portal for alumni. As on today, 3162 alumnae have registered on the portal. Many advanced features like alumni speaks, featured alumni, etc. are provided on portal. It helps in alumni engagement with its Alma - Matter. Two distinguished alumni are having key role in college development committee.

Alumni contributed as a resource person for the following activities.

1. Ms. Milita Dutta and Ms. Anushree Verma conducted a workshop on “Web Designing”, from 21st to 22nd September 2013 for information Technology students.
2. Ms. Prajakta Belsare conducted a seminar on “DIP Using Matlab”, on 7th September 2015 for Electronics and Telecommunication Engineering students.
3. Ms. Tejaswini Joshi conducted a seminar on “How to Improve your Employability skills” on 9th September 2016 for information Technology students.
4. Ms. Prajakta Belsare conducted a workshop on “DIP Using Matlab”, on 21st September 2015 for Electronics and Telecommunication Engineering students.
5. Ms. Mamta Yengul conducted a seminar on, “Life Skills”, on 6th January 2016 for Computer Engineering students.
6. Ms. Sfurti Sahare conducted a seminar on, “Ethics and etiquettes”, on 20th February 2017 for Computer Engineering students.
7. Ms. Reema Kumar conducted a seminar on, “Career Opportunities for Engineering students”, on 20th December 2016 for Computer Engineering students.
8. Ms. Sneha Harawane conducted a seminar on “GE Healthcare Preparation Talk”, on 31st December 2016 for information Technology students.
9. Ms. Dhanashree Shelke conducted a seminar on, “Job Opportunities in IT Sector”, on 11th January 2017 for information Technology students.
10. Ms. Priyanka Padhye and Gouri Pandit conducted a seminar on “Job Opportunities in Electronics and Telecommunication Sector” on 9th September 2017 for Electronics and Telecommunication Engineering students.
11. Ms. Sfurti Sahare conducted a lecture series on, “Professional ethics and etiquettes”, from 1st September 2017 to 27th September 2017 for Computer Engineering students.
12. Ms. Mamta Yengul conducted a seminar on “Inspirational and motivational the Secret Law of Attraction”, on 5th January 2017 for Computer Engineering students.
13. Ms. Mayuri Gandhi conducted a seminar on “Importance of Communication Skills in Industry”, on 18th February 2017 for information Technology students.
14. Harshada Kshirsagar conducted a seminar on “App development with Xamarin” on 22nd September 2017.

We would like to acknowledge the contribution of our alumni in our vision of women empowerment.

File Description	Document
Any additional information	View Document
Link for 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	
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: 5											
5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years											
<table border="1"> <thead> <tr> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> <th>2012-13</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	2016-17	2015-16	2014-15	2013-14	2012-13	1	1	1	1	1	
2016-17	2015-16	2014-15	2013-14	2012-13							
1	1	1	1	1							
File Description	Document										
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document										
Report of the event	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:

Institute Vision: Women Empowerment through Technical Education.

Institute Mission:

- Develop women students to rise to their full potential.
- Impart knowledge and prepare competent engineers.

Nature of Governance and Leadership

The board of governance motivates and ensures the engagement of staff for women empowerment.

The governance of the institute is ensured through governing body and College Development Committee (CDC, formerly Local Management Committee, LMC) constituted as per norms. The institutional policies have been framed to fulfill the vision and mission. The monitoring and implementation of policies is ensured through Principal and different committees.

The administration is student centric. Institute has a perspective plan developed by Principal and HODs based on suggestions of CDC, Internal Quality Assurance Cell (IQAC) and Department Advisory Board (DAB). In order to ensure attainment of objectives of curriculum, every department has a Programme Assessment Committee (PAC). Statutory bodies are also part of effective governance.

The Principal of Institute plans academic and administrative activities. The Heads of Department, Administrative heads, Section in charges and Coordinators of various cells assist the Principal in this process.

Institute Management and Perspective plans

The perspective plans are derived from vision and mission. The SWOC analysis of the institute also helps in the process of deciding perceptive plans.

The perspective plans for the institute take into consideration student diversity issues, student placements, implementation of ICT, faculty development, industry linkages and research promotion.

The organization structure depicts the teachers are involved and are instrumental in deciding the actions needed for effective implementation of academic programs. It also confirms that appropriate initiatives are taken to execute perspective plans.

The institute has an IQAC to monitor academic and administrative working and hence improve the quality of the overall functioning of the institute. The steering committee members contribute in SWOC analysis,

identifying vision and mission statements and preparing perceptive plans. The academic and administrative audit committee members help in verifying records and giving feedback about lacunas. The research committee reviews the project proposals submitted by students and faculty. It helps in deciding quality improvements proposal to be sent to different agencies. The domain specific research groups guide young faculty. The faculty members contribute in imparting the life skill practices.

File Description	Document
Any additional information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

Various committees have been framed in the Institute in order to decentralize and ensure effective participative management. For every committee, a senior faculty member is designated as a coordinator. Coordinator has well defined roles and responsibilities to perform. The issues discussed in the respective meetings are considered and forwarded for further necessary action.

Institute believes that decentralization will help involving every member of institute and assigning authority to representative for decision making. Mainly decentralization at the institute is classified into Academic decentralization, Administrative decentralization and Students representation. Academic decentralization uses agile approach for improvement in teaching learning process. Department heads are responsible for effective planning and implementation of academics and curriculum based activities. Faculty development programmes and trainings are recommended for faculty as per the revised university curriculum. Heads of the Department recommend new purchase in view of revised curriculum to the college level purchase committee.

In administrative centralization, College Development Committee plays an important role and passes a resolution for decentralization of authorities. All the activities related to student section, establishment section, examination section, store, maintenance, accounts and audit are administered by the office superintendent.

Important committees such as Internal Complaint Committee, Internal Quality Assurance Cell, Department Advisory Board, Anti ragging Committee etc. have effective representation of all stakeholders, class coordinators, campus coordinators, parents, alumina, industry representative, counselors, campus police team etc. This assures participative management. Institute has central feedback committee which looks after feedback process of the institution. Feedbacks are collected from employers, students, parents and all stakeholders to improve teaching methodologies, teaching content and identifying training areas for the students.

Faculty members who are representing as a subject chairman at university level can participate in reforms related to their respective courses and can convey the suggestions given by different stakeholders to the respective Board of Studies.

File Description	Document
Any additional information	View Document

6.2 Strategy Development and Deployment

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

Response:

The Institute's strategic plan is aligned with the Vision, Mission and Core Values of the institute.

Strategic Plan of the Institute:

1. Faculty development through training programmes.
2. Organize International and National conferences.
3. Implement Information and Communication Technology (ICT).
4. Capacity building of student through skill development programmes.
5. Strengthen alumni association activities
6. Enhance industry linkages.
7. Promote research activities.

Activity successfully implemented based on strategic plan: Implementation of ICT

Motivation:

The Institute promotes the use of ICT as pedagogy, by hosting separate ICT portal. **Hon'ble Dr. Vishwajit Kadam**, Secretary, Bharati Vidyapeeth, had written an article "**ICT in Education**" in Times of India to enrich the digital competence among the student.

Deployment of ICT:

Institute's ICT system consists of 4 modules Intranet based "**Document Management System**" Internet based "**Learning Management System**", "**Information Resource Repository**" and "**Virtual Classroom**".

ICT Modules of the Institute

The details of the modules are as follows:

1. **Document Management System (DMS)**: This is an intranet based secured system used for uploading all the Institute related important documents. The system is implemented by installing DMS server attached by flatbed scanner and printer operated by staff from admin office of the institute.
2. **Learning management System (LMS)**: This is an Internet based system designed to enhance the on-campus and collaborative learning environment. Most of the faculties have prepared their subject specific materials unit wise by preparing presentations in PowerPoint, by composing videos

through screen casting, and by hosting subject specific material, online quiz and assignment on gnomio Moodle site. Many faculties also have their web presence on Word press site. To execute the ICT based education successfully most of the faculties from all departments have successfully completed AICTE approved 5 weeks online ICT based training program of “FDP101x” and “FDP201X” respectively organized by IIT Bombay.

3. **Information Resource Repository:** The repository provides the useful links for IEEE.org, Science Direct Link, EBooks from science Direct, DELNET and NPTEL link along with thesis of Institute Faculty members and project reports of post graduate students of Electronics and Telecommunication Engineering.
4. **Virtual Classroom:** The institute has installed one dedicated lecture capture system to expand learning opportunities through technology.

The core features of the virtual classroom include:

- Browser based platform for the automatic recording and distribution of classroom lectures.
- A platform for editing and viewing recorded or live-streamed lectures.

Thus institute has successfully implemented and deployed the ICT activity as mentioned in strategic plan.

File Description	Document
Strategic Plan and deployment documents on the website	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:

Organizational structure consists of the apex bodies, coordinators of the different activities, employees working in administration, statutory committees, various cells and boards required for smooth functioning of the Institute.

Institute has constituted the Governing Body (as per the AICTE guidelines) and College Development Committee (CDC) (as per the new Maharashtra University Act. 2016).

The apex bodies provide guidance for deciding vision and mission of the institute. It helps in establishing, implementing and monitoring of the policies. They also prepare an overall comprehensive development plan of the institute regarding academic, administrative and infrastructural growth and enables institute to foster excellence in curricular, co-curricular and extra-curricular activities.

The principal is member secretary of Governing Body and College Development Committee.

The role of the principal is elaborated in code of conduct of the institute.

Academic planning, execution and monitoring are ensured through Head of the departments with the help of teaching and supporting staff.

Faculty members are appointed as a coordinator for different activities such as student welfare, Research, Examination, placement, training, National Service Scheme, Entrepreneurship development, hostel and sports.

The activities of the library are executed by librarian, and supporting staff under the guidance of library committee.

The different sections such as store, maintenance, establishment, examination, accounts and student support work under the guidance of the office superintendent.

The statutory committees/cells such as anti-ragging committee, reservation cell, Internal Complaint Committee, OBC cell, minority cell and Right to Information cell are formed as per the norms and function under the guidance of principal.

Industry Institute Interaction cell strengthens the liaison with the industry and helps in providing internship and sponsored projects. Industry Advisory boards focus on enhancing employability. Training cell organizes trainings, workshops identified under the capacity building programme. The capacity building programme is designed to enhance confidence, technical competency and inculcate creativity among students.

Feedback committee plans and collects feedbacks from all stakeholders that help in assessment and attainment of the course outcomes, program specific outcomes, program outcomes, etc.

Academic and administrative audit committees are formed as per the guidelines of Internal Quality Assurance Committee (IQAC) and the audits are carried out periodically. Organization of all the activities, authorities and responsibilities in structured manner helps in achieving vision, mission, and goals of the institute.

File Description	Document
Link for Additional Information	View Document

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
Any additional information	View Document

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

Response:

Effectiveness of various bodies/cells/committees is evident through minutes of meetings is as described below:

The various bodies and cells and committees are constituted at the institute level for smooth functioning of the activities.

List of various bodies

1. Governing Body (GB)
2. College Development Committee (CDC) (formerly LMC-Local Managing Committee)

List of Various cells

1. Anti-ragging Cell
2. Anti-ragging Squad Cell
3. Internal Complaint Committee
4. Reservation Cell
5. OBC Cell
6. Minority Cell

List of Various Committees

1. Academic and Administrative Audit Committee
2. Industry Institute Interaction Cell

3. Industry Advisory Board
4. Training Cell
5. Placement Cell
6. Entrepreneurship Development Cell
7. Data Management Cell
8. Centralized Time Table Committee
9. Central Exam Cell
10. Research Committee
11. Feedback Committee

Departmental Committees and Boards

Department of Computer Engineering

1. Department Advisory Board (DAB)
2. Dept. Program Assessment Committee (PAC)

Department of Electronics and Telecommunication Engineering

1. Department Advisory Board (DAB)
2. Dept. Program Assessment Committee (PAC)

Department of Information Technology

1. Department Advisory Board (DAB)
2. Dept. Program Assessment Committee (PAC)

Purchase procedure of the Institute is successfully implemented based on the minutes of the meeting of Governing Body (GB) and College development committee (CDC) (formerly LMC-Local Managing Committee)

1. Purchase requirement related to Equipment and furniture, consumable, stationary requirement is taken through purchase coordinator and all the Heads of Departments of Institute.
2. Comparative statements prepared by purchase coordinator.
3. Budget is prepared by accounts section.
4. It is approved by Principal and College Development Committee (formerly LMC).
5. It is to be submitted to central office, Bharati Vidyapeeth Bhavan for Management approval.
6. Meeting is conducted by the Joint Secretary for mobilization policy, budget to be finalized for that financial year
7. This budget and comparative statement is sanctioned by Joint Secretary and Secretary of Bharati Vidyapeeth.
8. The sanction letter is sent to Institute by central office of Bharati Vidyapeeth.
9. Purchase orders placed for the sanctioned vendors.

File Description	Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

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

Response:

Following are the Existing welfare measures for teaching and non-teaching staff

1. **Bharati Vidyapeeth Health Scheme (B.V.H.S.):** The Institute is situated in the Bharati Vidyapeeth campus which is supported by all units of hospitals such as Bharati Hospital, Ayurved Hospital, homeopathy Hospital, Dental Hospital, and Optometry. Staff can avail the 24×7 medical facility as and when required. Staff members can avail investigative, diagnostic and treatment facilities at free of cost. This ensures that Free Healthcare and Medicare facility to all the employees and their dependents. A minimal amount is deducted from the salary for this purpose.
2. **The Sevak Kalyan Nidhi (S.K.N.):** It is another such welfare scheme implemented for Medical Reimbursement for the teaching and non-teaching staff. It helps them in their needs such as Medical assistance to all the employees and their dependents for medical treatment based on the intensity of the illness. The bill amount is sanctioned by the secretary of Sevak Kalyan Nidhi depends on the document proof provided by the staff.
3. **Study Leave:** The full time teacher can avail study leave facility to complete their Ph.D.
4. **Medical Leave:** The full time teacher shall be entitled to avail leave on medical ground for 10 days on commutation basis or 20 days on half of pay for each year of completed service. The Medical Certificate is mandatory. The Teacher shall produce the Fitness Certificate at the time of joining.
5. **Maternity Leave:** The full time Lady Teacher having not more than 2 alive children shall be entitled to Maternity Leave on full pay and allowances for a maximum period of 90 days. The Lady Teacher appointed on probation after 1 year's continuous service shall be entitled to Maternity Leave on half pay and allowances.

6. Provident Fund & Pension Scheme:

a) As per the existing rules of Government 12% of the Basic Pay +Grade Pay + DA of the Salary or Rs. 1800/- whichever is less is credited to the Employee's Provident Fund Account and the equal amount is contributed by Bharati Vidyapeeth.

b) 8.33% out of 12% Bharati Vidyapeeth's contribution goes to Provident Fund Pension Scheme and 3.67% to employees Provident Fund. (8.33% + 3.67% = 12%)

c) After the retirement the pension is given from this 8.33% amount to the retired employee subject to the conditions laid down for this scheme.

d) The remaining 3.67% and the P.F. share of the employee are given to the employee.

7. **Gratuity:** As per the present Bharati Vidyapeeth policy after 5 years of Permanent service gratuity is

payable to the employee.

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: 39.09

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

2016-17	2015-16	2014-15	2013-14	2012-13
61	19	22	10	6

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: 2.2

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

2016-17	2015-16	2014-15	2013-14	2012-13
2	3	1	4	1

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: 55.49

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

2016-17	2015-16	2014-15	2013-14	2012-13
47	31	33	36	20

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

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

Response:

Performance appraisal provides a periodic review and evaluation of individual staff performance. The appraisal forms are filled and submitted in the administrative office once in a year.

Appraisal Procedure:

Appraisal provides a common and unified measure of performance, so that all staff are evaluated in the uniform manner.

Appraisal Framework:

Appraisal of staff performance is carried out within a framework:

1. Self Appraisal
2. Performance Appraisal
3. Confidential Report

Self Appraisal:

Self Appraisal provides teaching engagement, teaching methodology, innovative ideas. It provides contribution in research area, contribution for college, community and corporate.

Self appraisal helps staff member to be more alert and competent. Self appraisal helps to improve the quality of work performance.

It is verified at the department level by Head of the department (HOD).

Performance Appraisal:

Performance appraisal gives us a complete information in the form of records. It provides actual conduction of practical and lectures.

It provides evaluation of individual staff by the Head of Department in planning, control, working methodology, actively contribution for college in different activities. Performance standards are measures by rating 'excellent, good, average and poor'

Performance appraisal helps HOD to analyse staff and to implement policies for the department.

Confidential Report:

Confidential Report provides ability of team work, teaching and participation in extracurricular activities. It is a overall evaluation of staff by Head of the department.

Head of the department forwards confidential report with his/her remark for the further verification and approval of Principal and management.

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:

Institute conducts internal audit and external audit regularly. Internal audit is conducted half yearly and external audit is conducted once in a year. The institute has mechanisms for conducting internal and external audits regularly. The audit process is carried out once in every semester by internal auditors and external auditors. Normally financial audit is conducted in two sessions. The account finalization statements are completed in May and audited statements are prepared in June duly checked and verified by the Principal, Secretary and chartered accountant. Internal audit is conducted by the parent body Bharati vidyapeeth bhavan and provided to the chief finance officer and management for approval. External Audit was conducted by chartered accountant once in a year. Action taken for Compliance of the major audit objections. If any recommendations made by the external audit officials after conducting the audit, the compliance is done for the objections in audit carried out.

The institute has well defined budget policy. From every department, institute collects budget planning considering academics and non-academic requirements before starting academic year. After reviewing the budget for financial year, Principal and College Development Committee (formerly Local Management Committee) allocates the projected budget under different heads like.

- Equipments
- Consumables
- Repair and maintenance
- Research

After recommendations of duly signed purchase order by the purchase committee, funds will be released by the account section. Audit was conducted in half yearly every year.

File Description	Document
Any additional information	View Document

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)

2016-17	2015-16	2014-15	2013-14	2012-13
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:

Institutional strategies for mobilization of funds and optimal utilization of resources

Resource mobilization policy and procedures of the Institution

1 Efficient and effective mechanism is available in the institute to monitor the use of financial resources

2 A mechanism for internal and external audit

3 The regular audit of accounts and the audit objections, their compliance

4 Audited income and expenditure statement of academic and administrative activities.

Yearly planning of budget under different Heads-

Institute has well defined mechanism to monitor effective and efficient use of available resources. Each department in charge estimates the budget and allots the available financial resources to the various departments of the institution.

Approval of Secretary and Principal are made with the recommendations of duly constituted department.

Comparison of cost and quality of the item takes place using minimum three different quotations. After comparison, purchase order on the suitable vendor will be released.

Also there is Internal Audit Committee of Bharati Vidyapeeth to monitor the effective and efficient use of available financial resources.

The following four types of accounts are created:

- Receipts and Payment Accounts.
- Income and Expenditure Accounts.
- Balance Sheets
- Each and every transaction is supported by the vouchers and bills.

All the collections are deposited directly in the bank and all expenditure, recurring and non-recurring, are incurred through cheques. Internal audit is done periodically. The external audit is done by the Chartered Accountant before the session comes to an end.

For efficient use of the financial resources, the budget is prepared. Account section looks after the following three types of payments/expenditures:

- Recurring.
- Non recurring.
- Capital Expenditure (Asset).

Separate budget is allocated to enable the institution for efficient use of the financial resources.

File Description	Document
Any additional information	View Document

6.5 Internal Quality Assurance System

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

Response:

The best practices implemented at the institute as a result of IQAC initiatives are as follows

1. Counseling Practice: There is 1 student counselor behind every 20 students who conducts monthly meetings to discuss their problems, gives guidance as regards academics and other extra-curricular activities. A system of Guardian Faculty Member for each class is maintained. Every class has its CR i.e. Class Representative and Student Batch Coordinator. Both of these provide a platform to students to raise their problems.

- Academic and Career Counseling: This is most important of all as its decisive of the direction in which the students' career shall take shape. Efforts include:

- Students are guided in choosing the appropriate programme as per their interests and capabilities.
- Newly admitted students, are guided regarding Career options after engineering.
- There is special focus, during the lectures as well as in specific, to guide the students as regards :
 - Their studying habits.
 - Examination Patterns.
 - Exam Paper reading and attempting skills.
 - Oral / Communication skills.

- Career Stimulation Seminars are organized specifically aimed at triggering Career Ambitions.

- The departments maintain academic record of the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. and help them as needed e.g. getting scholarship and moral support.

- Health Counseling:

- Mental Health: Many students come across different issues that have negative impact on studies and life outlook. Efforts include:

- Faculty tries best to make students realize the right sense of marks.
- Guide students who fail in exams.
- Counseling on aspects on an individual basis.
- Advise in case of other Psychological Issues.

- Physical Health: Regular health checkups highlighting the importance of being healthy are conducted. Importance of self defense is encouraged.

- Parents' Counseling: Students, especially girls are subject to family issues. Faculty addresses parents, guide and direct them to support, correct or motivate their daughter(s).

1. Organizing Skill Development Practice: This practice is implemented through

- Student Associations
- Student Chapters
- NSS
- Technical and Non-Technical Events.

2. It is important for the college to ensure availability of activities helping students develop their personality. The primary objective of this practice is to divide the various achievement targets amongst students and make them an integral part of it. This helps students plan and organize various activities. Other functions include:
 - Creating Association of Students Working for Students for encouraging leadership skills.
 - Encouraging students to mix with each other and work effectively irrespective of their backgrounds.
 - Focus on Exchange of Views.
 - Help identify real talents.
 - Create awareness about professional societies, encouraging them to be its member.
3. Every Department has student association:
 - Electronic And Telecommunications Students Association (ETSA)
 - Computer Engineering Association (CESA)
 - Information Technology Association (ITechSA)
4. College conducts many NSS activities to inculcate social responsibility
 - Various Student Chapters such as IEI, IETE CSI, ACM – are instrumental in organizing various activities such as Seminars, Workshops, Expert Lectures, etc ensuring holistic development.

File Description	Document
Link for Additional Information	View Document

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:

Examples of institutional reviews and implementation of teaching learning reforms:

Academic Monitoring:

1. Workload calculation and Allotment:

- Academic Coordinator identifies the upcoming semester workload, which is discussed in a meeting held by the Principal with Heads Of Department.
- Planning of the Extra Curricular Activities, Annual Events and Interdisciplinary courses is done.
- Allotment is done by HOD considering the course choices, previous experience and expertise of the faculty.

2. The Academic Calendar of the institute is prepared by following the University Calendar.

3. Teaching Oriented Processes:

- Planning Lectures:
 - Faculty prepares Lecture notes, takes help of reference books and try to inculcate this habit into students.
 - Flow of curriculum is planned well to link topics properly.
 - Arranging Expert Lectures to make study more practical oriented.
 - Session Plans are submitted to the respective HODs and a regular check is kept.
- Conducting Lectures:
 - Faculty ensures on complete participation of the students during lectures.
 - Faculty reaches class on time to encourage punctuality.
 - Latecomers are allowed to enter only up to 10 mins.
 - ICT based teaching is encouraged.
- Giving Regular Assignments, Homework and Tutorials:
 - Important topics are tested in assignments and homework.
 - Tutorials are conducted for problem solving.
 - There is proper accountability and punishment.

4.Laboratory / Practical Monitoring:

- All arrangements of experimental setups are done on time.
- Updating of the Lab Attendance Registers/Lab Manuals regularly.
- Maintenance of equipments is done periodically.

5.Other reforms:

- Updating course files, Personal files.
- Conducting monthly meeting of all Subject mentors and GFMs.
- Maintaining proper defaulters' list and communicating it to the parents and guardians.

Academic Outcome Monitoring: This includes testing of students academic performance.

1. Unit Tests and Assignments :

- Unit wise tests are conducted to ensure cumulative revision.
- Assignments are regularly given which requires to refer to reference material.

2.Mock practical/Preliminary Exams:

- These are exactly in the format as required by affiliating university.
- Students become acquainted to the pattern of the University Question Papers thus preparing them for the actual exam itself.

3.Mock Oral / Group Discussions / Presentations :

- These are in the form of one on one arguments or PPT presentations which help to test whether students are able to express orally.

4.Extra Lectures:

- Based on the unit tests and mock exam results, faculty is aiming at indentifying the weak students or some difficult topics (viz. Maths, C Programming).
- These students are asked to attend extra lectures and training programmes.
- Difficult topics are revised more.

5.Capacity building programs for improving communication skills, SWOC analysis are initiated.

6.College has initiated MoU with “Myexamo”,cloud based software, to improve the performances of students for online examinations, through practice sessions.

7.The entire process of Academic Outcome Monitoring is planned and kept revising as need be. Academic audit activity is initiated at the institute level and all the records are maintained and reviewed.

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

Response: 0

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	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:** C. Any 2 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
Any additional information	View Document
Annual reports of 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:**

- Introduction of new P.G. programme in E&TC with specialisation in VLSI and Embedded systems in 2013-14.
- Formation of IQAC,DAB and PAC in 2016-17.
- Offering certificate programmes,audit courses for SE and TE.
- Contribution of faculty at University level as subject chairman,paper setter,LIC member,subject expert etc.
- Integrating cross cutting issues into existing curriculum by offering elective courses,Yoga meditation and stress relief programs etc.
- Creating internship opportunities through AICTE internshala venture.
- Central online feedback system.
- Value added course in “Finance for Engineering”.

- Initiatives for Outcome Based Education.
- Faculty Capacity Building through participation in induction,development and ICT implementation program.

- Bridging the syllabus gaps through seminars,workshops,industrial visits and expert lectures.
- Strengthening Teaching-Learning process through GFM,student counsellors.
- Experienced faculty with good number of PhD contributing effectively.

- Research committee and stated code of ethics to check plagiarism.
- Motivation to submit research,QIP proposals and filing patents.

- Publishing papers in referred journals and authoring books.
- Linkages with industry for sponsored projects and MoUs.
- Linkages of faculty as a Research guide and Resource person.

- Participation in Extension activities and outreach programmes.
- Effective implementation of best practices.
- Establishing benchmark as an institute in the field of technical education for women.

Quality Enhancement Initiatives in Administrative domain

- Infrastructure,adequate facilities as per SRA norms for natural growth.
- Admission process carried out as per DTE norms and institute provides facility as ARC.
- Framed vision, mission,code of conduct and quality policies.
- Institutional strategic plan, e-governance and deployment of ICT facility.
- Decentralization of authority, providing opportunities to demonstrate leadership skills.
- Existing library advisory committee.
- Library management software and remote access facility.
- Hostels with wi-fi , 24/7 security and medical facility.
- Amartya Shiksha Yojana Policy and Student accident insurance scheme.
- Central data management system.
- Facility of lecture capturing system.
- Frequent updation of IT facilities and use of open source software.
- Annual maintenance of physical,academic and support facilities.
- Freeship and scholarships schemes.
- Capability enhancement and development schemes.
- Student council and other statutory committees.
- Training and placement cells for Employability Skill Development.
- Registered alumni association with separate portal for alumni interaction.
- Effective welfare measures,financial support for attending and organising professional development programmes.
- Allocating separate research budget.
- Performance assessment of faculty through feedback and appraisal system.
- Internal and external financial audits for optimal allocation and utilization of financial resources.
- Framed Quality initiatives under IQAC.
- Participation in NIRF.
- Academic and Administrative Audit by internal committee.
- Eco-friendly campus and infrastructure.
- Support facilities for divyangjan.
- Activities for gender sensitivity and environmental consciousness.
- LED tubelights for energy conservation,exercising green practices and effective waste management.
- Special facility of Electronic Vending Machine for sanitary napkins.

- Creating consciousness about national identities and constitutional obligations.

File Description	Document
Any additional information	View Document

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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: 8

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	2	2	2

File Description	Document
Report of the event	View Document
List of gender equity promotion programs organized by the institution	View Document
Any additional information	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:

- Being a women's college, the college management is very much conscious about safety and social security of students. Separate security guard is appointed for college building. Students residing in college hostel, feel safe and satisfied for the 24X 7 security available at college hostel.
- Fire extinguishers are employed at easily reachable height at appropriate places which can be used in case of accidental fire. Proper instructions are displayed on fire extinguisher about its usage.
- Workshops for students are conducted for demonstration of Fire extinguisher usage.
- MOU has been signed between college & FSAI (Fire And Security Association of India)
- Internal complaint committee (ICC) is duly formed in the college which deals with the cases of sexual harassment against girl students or ladies staff members at the workplace.
- Medical officer from Bharati Vidyapeeth's Medical College is duly appointed who deals with the psychological & physiological problems of the students.
- Girls' common room is utilized by the students whenever needed.
- Anti ragging cell is duly constituted in the college. Anti ragging cell norms are displayed at

appropriate visible places.

- Awareness on cyber security & social networking was addressed by ACP Bhanupratap Barge (cybercrime cell) Pune.
- CCTV cameras are installed at appropriate places.
- Pune Police Vidyarthi Abhiyan is initiated by Commissioner of Police Pune.
- Helpline numbers are provided by Pune Police specifically for women and children.

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: 0

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

7.1.3.2 Total annual power requirement (in KWH)

Response: 20500

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 11.21

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 864

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 7704

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:**Solid waste management:**

- Solid waste is separated as biodegradable & non biodegradable by the hired cleaning agency and handover to municipal corporation for disposal.
- Wood & metal waste from College workshop is disposed off with due precautions

Liquid waste management:

- Chemical waste from chemistry lab is disposed off with due precautions.
- Waste water from toilets is moved with the drainage lines to STP (Sewage treatment plant) located at Bharati hospital which is recycled and utilized for gardening.

E-waste management:

- Bins are placed in the campus to collect e-waste. This helps to create awareness about e-waste among students.
- E-waste is collected & given to the authorized agency Poona E waste solutions for dismantling & recycling.

Generation of organic manure from bio-degradable waste

- Vermi compost pits are set up on campus for biodegradable wastes.
- Leaves and other plant waste that is collected in the gardens are used to create compost thereby generating rich manure, thus reducing the waste generated and enriching the garden soil.
- Manure generated from organic waste is utilized in the botanical garden.

File Description	Document
Any additional information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rain water harvesting plant is not in place at present in the campus due to floor rise plan of Institute building . In coming future the institute is planning for installing such a plant to recycle and reuse rain water for better use. This recycle water can be used for gardening, toilets and other cleaning purpose. As a part of Bharati Vidyapeeth organization many support facilities are installed centrally on campus such as rain water harvesting, land scaping , solar panels and pedestrian friendly roads etc.

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:**Energy conservation:**

- Notices are displayed at each laboratory as well as classrooms about switching off electrical appliances when not in use to avoid wastage of energy.
- The architecture of college building is such that maximum advantage of day light can be taken.
- CPCB approved diesel generator is used for electrical backup.
- NSS students have displayed posters near lift explaining the advantages of using stairs.

Green Practices:

- The institute surrounding is a well maintained environment friendly lush green campus.
- Large number of students residing in college hostel use pedestrian friendly roads to reach up to the college.
- Since there is a huge connectivity as well as a good frequency of PMT buses from every corner of Pune to Katraj many students avail this public transport facility to reach up to the college campus.
- As an initiative towards plastic free campus staff members insist the use of paper cups for tea/coffee in the canteen instead of plastic cups. Students are motivated to do so.
- As a need of paperless work, notices to various departments and students are circulated through either mail or whatsapp group messages.
- Specified pathways inside the campus are declared as non vehicle zone for making pedestrian friendly roads.

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: 4.78

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)

2016-17	2015-16	2014-15	2013-14	2012-13
12.13528	17.02330	14.01418	22.34023	20.65966

File Description	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: B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
link to photos and videos of facilities for Divyangjan	View Document

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

Response: 5

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	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: 8

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	2	3	1	1

File Description	Document
Report of the event	View Document
Details of initiatives taken to engage with local community during the last five years	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
Provide link to Courses on Human Values and professional ethics on Institutional website	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
Provide URL of supporting documents to prove institution functions as per professional code	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:** 9

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:**

1. The institute practices to celebrate national festivals like Gandhi Jayanti by implementing “Swatch Bharat Abhiyan”. Initiatives such as “Shramadan” to contribute towards national goal of cleanliness is followed regularly.
2. Students & staff members with due regards, celebrate our National festivals like Independence Day & Republic Day every year.
3. Students & staff members celebrates the birth ceremony of Dr. Sarvapalli Radhakrishnan on the occasion of Teacher’s day every year.
4. Students & staff members celebrates the birth ceremony of Sir. Dr. Mokshagundam Vishweshwarya on the occasion of Engineer’s day every year.

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

The institute maintains complete transparency in its financial, academic, administrative and auxiliary functions through following mechanism

- Implementing the notices, circulars & the guidelines circulated by the affiliating University (SPPU) & the institute central office (Bharati Bhavan).
- The institute has appointed CEO (College Examination Officer) who serves as a mediator between affiliating university SPPU and the institute for any grievances and queries of the students and faculty.
- Institutional annual budget for different heads is prepared in consonance with Principal, Heads of the Departments, Laboratory In-charges, Physical director, Librarian, Office Superintendent, Store clerk, & different activity heads every year before the commencement of Financial year.
- Transparency in purchase is maintained with identification of vendors, comparative statements based on quotations received, purchase meeting with vendors for negotiations & finalization of purchase based on technical specifications conducted by purchase committee.
- Financial internal audit (every month), external audit once in a year.
- Online fee portal for cashless & transparent transactions for student fees collection.
- Academic audit twice in a year for academic excellence.
- Code of conduct of the institute is prepared for smooth functioning of various administrative activities.

7.2 Best Practices

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

Response:

Best Practice1

Title of the practice:

Course Mentor Mentee Scheme

Goal: To train and encourage faculty (mentee) to improve teaching learning process and achieve academic excellence by the subject mentor to implement the updated syllabus & course curriculum as per the affiliating University SPPU.

The practice:

Note: Mentor mentee forms that are designed are provided in the additional information

Before commencement of every semester meeting of Mentor mentee is scheduled as per academic calendar. Mentor verifies whether mentee has collected, University syllabus copy of theory and practical, Reference books, SPPU question paper of last three years. In monthly meeting Mentor ensures the conduction and execution of continuous assessment. Mid term and End term submission are also verified at the time of meeting. Mentor also ensures effectiveness of teaching resources shared to the students.

Context:

An innovative concept of course mentor – mentee is implemented at the institute. Course mentor is a senior faculty who facilitates as a course expert to provide guidelines for effective and efficient delivery of content by the course faculty (mentee).

Problems Faced and Resources Required:

- Unavailability of time slots if the mentor is external.
- Sometimes students do not give proper feedback that may affect the performance of the staff.

Evidence of Success:

- Improvement in achieving & implementing course curriculum effectively.
- Improvement in teaching learning process cross verified through faculty & student feedback regularly
- Sharing of views and new practices to be implemented for the particular courses.
- Healthy environment for promoting research culture in particular domain.

Best Practice2

Title of the practice: Training for enhancement of employability skill set.

Goal: To improve the employability skill sets of students.

The Practice:

The institute's Training & Placement cell provides pre placement training program which includes

- Mock interviews before placement drive by a panel of senior faculty.
- Mock interviews before placement drive by Ex Industry experts.
- Extensive training of 60 Hrs to T.E. students about resume writing, group discussions, and aptitude test by hiring private organization FACE.
- Industry experts sessions on "Transition from college to corporate".
- Extensive Employability Skill Development (ESD) program under corporate social responsibility scheme.
- MOU with FSAI, who provide mentoring to students in order to improve their soft skills, leadership qualities, abilities to work in group.
- MOU for placement with TCS which gives best possible professional placement of student on graduation.
- Job fairs & Pool campuses.

Context: Earlier the institute finds it difficult to place the students in industry through campus placement. Main reason identified was diversity of students & employability skills as per the industry standards. In view of this an exclusive pre placement training program is planned & executed as mentioned in the practice.

Problems faced and Resources Required:

- Diversity of students makes it challenging to cater the different needs of students.
- Experts from industry to mentor the students as per industry standards.
- Motivated senior faculty to become expert panel member for conduction of pre placement training program.

Evidence of Success:

- The constant efforts have reflected in consistent campus placement.

- Positive feedback from students.

File Description	Document
Any additional information	View Document

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:

The institute was established in A.Y. 2000-2001 with clear objective to excel in technical education and become renowned institute of Engineering & technology exclusively for girl students. The experience over the years revealed that the objective needs to be broadened. So women empowerment through technical education was accepted as the vision. A conducive atmosphere for academics, support for actions leading to development of student to fullest potential have been identified as priorities.

The sincerity in academic planning, monitoring and execution is reflected in consistently good university examination results. The institute takes pride that one of the student holds first university rank.

The high retention ratio of staff members has helped in this aspect. There are 09 faculty members with Ph.D. Number of faculty members have taken up research work for Ph.D. and are guiding PG projects/ PhD to promote research. As a result faculty members have large number of publications in peer National/International Journals/proceedings and started filing patents and copyright based on their R& D work. The qualified and committed faculty is one of the distinctiveness of the institute.

The well planned and structured management helps in faculty development through participation in capacity building programs (Mission 10X, STTP, FDP on ICT in education). It also helps for student development through NSS and student association programs.

Employability skill enhancement activities have been conducted by training and placement cells. Institute is conducting 400 hour Employability Skill Development (ESD) program sponsored by ZENSAR. The cells also plan for mock interviews before placement drive by ex -company employees, panel of senior staff and by hiring private organization. The institute takes the initiative in organizing pool campuses, job fairs as a part of training & placement activity.

The girl students belonging to different socio economic background have to face different challenges, helped the institute in identifying thrust areas. Students, especially girls are subject to family issues. Faculty addresses parents, guide and direct them to support, correct or motivate their daughter(s).

Analysis of results and placement scenario of the institute revealed that there is need to address the issues related to life skill practices for women education. One of the important thrust was to counsel the students.

Counselling is done through faculty as well as through counselors. The institute has allotted a special slot in time table for pranayama activities. MoU is signed with Association of Adolescence and Childcare in India (AACI) to train faculty and student mentors for imparting life skill education . A capacity building program is being developed to build confidence in communication, to achieve technical competence and to inculcate creative approach in students . To improve proficiency in English and other foreign languages training programs will be conducted in association with Word Maya and respective professionals. An initiative has been taken to conduct module on finance for engineers, with the help of sister organization Institute of Management and Entrepreneurship Development.

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5. CONCLUSION

Additional Information :

Since the establishment of the institute, along with academics the institute has shown substantial progress in extension activities. The institute has received Best College Award among 17 colleges throughout the country by Fire and Security Association of India (FSAI) in 2017. The institute won first prize in 2013 and second prize in 2015 for College Magazine Competition held by Savitribai Phule Pune University, Pune. Also, institute has been honored with “College of Substance” award by Natarajan Education Society (NES) in 2014.

The executive committee of IETE, Pune center has consistently honored IETE Student Forum (ISF) in recognition of excellent work of student activities. IEI student chapter received Dr. Amitabh Bhattacharya Memorial Trophy.

Concluding Remarks :

The institute has initiated efforts to strengthen industry-institute interaction, focus on industrial training and hence to improve employability. Also the institute is taking initiatives for the encouragement of students for higher education. In addition to the curriculum, programmes such as capacity building programme, certificate courses, specific company trainings are conducted for preparing students to be capable, competent, confident and creative engineers. Highly qualified faculty with good retention ratio resulted in sustainable women engineering institute in the affiliated university. As stated in vision statement, institute is empowering women through technical education in true sense.

Participation of women in technology is an important aspect in social and economic development of the nation. It is a critical constituent in the process of improving the quality of life of women themselves. When women have economic empowerment, it is a way for others to see them as equal members of society. Through this, they achieve more self-respect and confidence by their contributions to their communities. Establishing and running Women Engineering College really contributes to social transformation through dynamic education as stated by vision statement of Bharati Vidyapeeth.