



**INSTITUTIONAL ASSESSMENT AND ACCREDITATION
(Effective from July 2017)**

Accreditation - (Cycle - 1)

PEER TEAM REPORT ON

**INSTITUTIONAL ACCREDITATION OF
BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING FOR WOMEN**

**Pune
Maharashtra
411043**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072, INDIA**

Section I:GENERAL INFORMATION

1.Name & Address of the institution:	BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING FOR WOMEN Pune Maharashtra 411043	
2.Year of Establishment	2000	
3.Current Academic Activities at the Institution(Numbers):		
Faculties/Schools:		
Departments/Centres:	4	
Programmes/Course offered:	4	
Permanent Faculty Members:	60	
Permanent Support Staff:	65	
Students:	933	
4.Three major features in the institutional Context (Asperceived by the Peer Team):	1. Institution catering to the needs of women students 2. Located in lush green surroundings 3. Student counselling for capacity building	
5.Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	From : 28-09-2018 To : 29-09-2018	
6.Composition of Peer Team which undertook the on site visit:		
	Name	Designation & Organisation Name
Chairperson	DR. NUPUR PRAKASH	Professor,Ggs Indraprastha University
Member Co-ordinator:	MR. M B SRINIVAS	
Member:	DR. ANANTHANARAYANA VS	Dean,National Institute Of Technology Karnataka Surathkal
NAAC Co - ordinator:	DR. K. RAMA	

Section II: CRITERION WISE ANALYSIS

Observations (Strengths and/or Weaknesses) on each qualitative metrics of the key Indicator under the respective criterion (This will be a qualitative analysis of descriptive nature aimed at critical analysis presenting strength and weakness of HEI under each criteria)

Criterion 1 - Curricular Aspects (Key Indicator and Qualitative Metrics(QIM) in Criterion 1)	
1.1	Curricular Planning and Implementation
1.1.1 QIM	The institution ensures effective curriculum delivery through a well planned and documented process
1.2	Academic Flexibility
1.3	Curriculum Enrichment
1.3.1 QIM	Institution integrates cross-cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum
1.4	Feedback System

Qualitative analysis of Criterion 1

The college provides technical education exclusively to the budding women engineers. The college is located in the heart of Pune well connected by public transport in lush green surroundings. The curriculum at UG and PG level is designed and developed by parent University and the Institute ensures effective implementation of the curriculum and conduct of examination as per University guidelines from time to time. Few value added courses for enhancing the professional and communication skills of the students are being conducted by the Institute. Social responsibility is inculcated through NSS. College follows rules and regulations made by statutory bodies. For holistic development of students the college has introduced some mandatory non-credit courses such as foreign languages, yoga and stress management. However no specific course on human values and professional ethics has been introduced. There is no specific course on sustainability, although few green practices are being followed for the energy conservation.

To support academic effectiveness, institute has a system of Guardian Faculty Members for each class and Student Counsellor 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

Institute has central online feedback system which collects feedbacks from the stakeholders. Faculty appraisal system for performance evaluation is in place

Few students are undertaking field projects / internships.

Criterion2 - Teaching-learning and Evaluation (Key Indicator and Qualitative Metrics(QIM) in Criterion2)	
2.1	Student Enrollment and Profile
2.2	Catering to Student Diversity
2.2.1 QIM	The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners
2.3	Teaching- Learning Process
2.3.1 QIM	Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences
2.3.4 QIM	Innovation and creativity in teaching-learning
2.4	Teacher Profile and Quality
2.5	Evaluation Process and Reforms
2.5.1 QIM	Reforms in Continuous Internal Evaluation(CIE) system at the institutional level
2.5.2 QIM	Mechanism of internal assessment is transparent and robust in terms of frequency and variety
2.5.3 QIM	Mechanism to deal with examination related grievances is transparent, time-bound and efficient
2.5.4 QIM	The institution adheres to the academic calendar for the conduct of CIE
2.6	Student Performance and Learning Outcomes
2.6.1 QIM	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
2.6.2 QIM	Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution
2.7	Student Satisfaction Survey

Qualitative analysis of Criterion 2

Student diversity (reservation policy) is maintained as per University and State Government rules. Average Enrolment percentage (Average of last five years) is about 82%.

Number of PG student enrolment is low. Provision for identifying and nurturing slow and fast learners exists. Student centric teaching learning methods and experiment based learning exist. Good number of teachers uses ICT for teaching. Two faculty members have received best teacher award from the parent University.

Student teacher ratio is good. Few of the faculty uses e-learning tools like Moodle.

Average percentage of full time teachers against sanctioned posts during the last five years is good. There is a vacuum at senior leadership position as the full time Principal has left the Institution 3 months back.

Average percentage of full time teachers with Ph.D. during the last five years is low. Faculty recognition component is low.

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

The institute is affiliated to Savitribai Phule Pune University, so university evaluation rules are followed. For

effective implementation of evaluation a dedicated cell is established and adhered to the evaluation reforms of the University. Internal evaluation is carried out as per University norms.

Institute has tie-up with agency which helps students in preparing and practicing for online examinations. COs, POs and PEOs are defined but the attainment modality is not up to the mark.

Academic calendar is followed as prescribed by SSPU.

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Criterion3 - Research, Innovations and Extension (Key Indicator and Qualitative Metrics(QIM) in Criterion3)	
3.1	Resource Mobilization for Research
3.2	Innovation Ecosystem
3.2.1 QIM	Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge
3.3	Research Publications and Awards
3.4	Extension Activities
3.4.1 QIM	Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years
3.5	Collaboration

Qualitative analysis of Criterion 3

Grants for research projects sponsored by the government/non-government sources is abysmal. Two faculty members has been recognised as University approved research supervisor. Institution has made abysmal effort towards creation of incubation centre and other initiatives for creation and transfer of knowledge. Number of Ph.D.'s awarded to teachers during the last five years is less. Number of research papers per teacher in the Journals notified on UGC website and reputed Journals is less. Outreach activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development are achieved through NSS.

Number of functional MoUs with institutions of National/ International importance, Other Institutions is abysmal. Limited research grants have been received from their parent University. Performance based incentives to encourage faculty members for research work does not exist.

Few MoUs for student training exist.

Criterion4 - Infrastructure and Learning Resources (Key Indicator and Qualitative Metrics(QIM) in Criterion4)	
4.1	Physical Facilities
4.1.1 QIM	The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.
4.1.2 QIM	The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities
4.2	Library as a Learning Resource
4.2.1 QIM	Library is automated using Integrated Library Management System (ILMS)
4.2.2 QIM	Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment
4.3	IT Infrastructure
4.3.1 QIM	Institution frequently updates its IT facilities including Wi-Fi
4.4	Maintenance of Campus Infrastructure
4.4.2 QIM	There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Qualitative analysis of Criterion 4

The institute is confined to a single building in a large sprawling University campus. 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 has adequate classrooms for UG and PG programs. Few classrooms are with ICT facilities. Institute has adequate laboratories. In central Library - Open access system, use of SOUL 2.0 software, Digital Library and Language Laboratory are available. The institution has shared facilities for outdoor sports, health care, canteen, auditorium and power backup. Library has reading hall and reference section does not have sitting arrangements for students. E-resources of the library is available. Computing facilities are adequate. Available bandwidth of internet connection in the Institution is 32MBPS. Facilities for Lecture Capturing System (LCS) exist and integrated with CMS. Most of the software used in the Institute is open source. Collection of rare books manuscripts, special reports not available.

Criterion5 - Student Support and Progression (Key Indicator and Qualitative Metrics(QIM) in Criterion5)	
5.1	Student Support
5.2	Student Progression
5.3	Student Participation and Activities
5.3.2 QIM	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution
5.4	Alumni Engagement
5.4.1 QIM	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

Qualitative analysis of Criterion 5

Student Council exist. Alumni association exist and engages with the students occasionally. Several students benefited by scholarships and free ships provided by the Government during the last five years. Since last one year student have benefited with career Counselling and Training provided by the institution. Average percentage of placement of outgoing students and higher education during the last five years is declining. Average percentage of students qualifying in State/ National/ International level examinations during the last five years (e.g.: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations) is marginal. 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 is marginal. Active Student Council & representation of students on academic & administrative bodies/committees of the institution is in place. Alumni contribution in terms of financial means during the last five years is nil. Financial support is provided to the students for participating in technical events and competitions outside the

college is limited. Academic ambiance of the vertical campus needs a boost.

Criterion6 - Governance, Leadership and Management (Key Indicator and Qualitative Metrics(QIM) in Criterion6)	
6.1	Institutional Vision and Leadership
6.1.1 QIM	The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution
6.1.2 QIM	The institution practices decentralization and participative management
6.2	Strategy Development and Deployment
6.2.1 QIM	Perspective/Strategic plan and Deployment documents are available in the institution
6.2.2 QIM	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
6.2.4 QIM	Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions
6.3	Faculty Empowerment Strategies
6.3.1 QIM	The institution has effective welfare measures for teaching and non-teaching staff
6.3.5 QIM	Institution has Performance Appraisal System for teaching and non-teaching staff
6.4	Financial Management and Resource Mobilization
6.4.1 QIM	Institution conducts internal and external financial audits regularly
6.4.3 QIM	Institutional strategies for mobilisation of funds and the optimal utilisation of resources
6.5	Internal Quality Assurance System
6.5.1 QIM	Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes
6.5.2 QIM	The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms
6.5.5 QIM	Incremental improvements made during the preceding five years (<i>in case of first cycle</i>) Post accreditation quality initiatives (<i>second and subsequent cycles</i>)

Qualitative analysis of Criterion 6

There exists vision and mission statement. The institutional policies have been framed to fulfil the vision and mission. The administration is student centric. Institute has a perspective plan based on suggestions of CDC, Internal Quality Assurance Cell (IQAC) and Department Advisory Board (DAB). Full time Principal has left the Institute three months back. 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. Organizational structure of the institution is in place as per University norms. Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions. The institution provide medical facilities and maternity benefits for teaching and non-teaching staff. There is no policy on financial funding for teachers to attend conference/workshops in place. Few professional development /administrative training programs have been organized by the institution for teaching and non-teaching staff during the last five years. Teachers are encouraged to attend professional development programs, Short Term Course, and Faculty Development Program mostly in and around Pune. Institution has

Performance Appraisal System for teaching and non-teaching staff. Internal audit is conducted half yearly and external audit is conducted once in a year. No funds / Grants received from non- government bodies, alumni, individuals, Philanthropists during the last five years. Internal Quality Assurance Cell (IQAC) has initiatives include student counselling, health counselling and parents 'counselling. IQAC has been formed in 2017 but is non-functional. Introduction of new

P.G. programme in E&TC with specialisation in VLSI and Embedded systems in 2013-14. However enrolment is 50% in the current year. Formation of IQAC, DAB and PAC since 2016-17. Maternity benefits and leaves along with medical benefits are provided to teaching and non- teaching staff.

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Criterion7 - Institutional Values and Best Practices (Key Indicator and Qualitative Metrics(QIM) in Criterion7)	
7.1	Institutional Values and Social Responsibilities
7.1.2 QIM	<p>1. Institution shows gender sensitivity in providing facilities such as:</p> <ol style="list-style-type: none"> 1. Safety and Security 2. Counselling 3. Common Room
7.1.5 QIM	<p>Waste Management steps including:</p> <ul style="list-style-type: none"> • Solid waste management • Liquid waste management • E-waste management
7.1.6 QIM	Rain water harvesting structures and utilization in the campus
7.1.7 QIM	<p>Green Practices</p> <ul style="list-style-type: none"> • Students, staff using <ol style="list-style-type: none"> a) Bicycles b) Public Transport c) Pedestrian friendly roads • Plastic-free campus • Paperless office • Green landscaping with trees and plants
7.1.18 QIM	Institution organizes national festivals and birth / death anniversaries of the great Indian personalities
7.1.19 QIM	The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions
7.2	Best Practices
7.2.1 QIM	Describe at least two institutional best practices (as per NAAC Format)
7.3	Institutional Distinctiveness
7.3.1 QIM	Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Qualitative analysis of Criterion 7

The facilities like canteen, bank and auditorium is shared with the parent University. There exist no renewable energy sources. Rain water harvesting plant is exist. Campus has adequate green cover. Code of conduct handbook exists for students, teachers, governing body, administration and support staff. Course Mentor Mentee Scheme, Training for enhancement of employability skill set are identified as best practices. Women empowerment through technical education is Institutional distinctiveness. Faculty rooms are shared and not spacious. Another benefit is project file work is followed by final year students. Hostel inmates celebrate

festivals and cultural programs are organized. The campus is pedestrian free. However, the campus is not fully plastic free. The waste management is centralized for the constituent colleges located in the campus.

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Section III: OVERALL ANALYSIS based on Institutional strengths, Weaknesses, Opportunities & Challenges (SWOC) (up to 500 words)

Strength

STRENGTH

- Institute has a mentoring system to improve the overall development of students.
- College encourages student internships in Industry which is outside the curriculum.
- College runs certificate programs to groom students' placement
- Project workbook has been introduced for final year students during 2016 – 17 by the University.
- Provision exists to cater the needs of fast and slow learners.
- Pass percentage is higher than the University average.
- Social responsibility is inculcated through NSS.
- College magazine is published every year and is appreciated by University authorities

WEAKNESS

- Outcome Based Education is not fully implemented.
- Motivation towards higher studies seems limited.
- Paucity of quality publications by the faculty members in reputed Journals.
- Number of PG student enrolment is low.
- No sponsored research projects has been undertaken in the last 3 years.
- Revenue generation through consultancy does not exist.
- Entrepreneurship development related activities are very few.
- Number of faculty with doctoral degree are few.
- Percentage of placement is around 30% and is declining; average pay package is low.
- The reference room in Library has not seating arrangement.
- Limited Wi-Fi coverage in hostel and campus.
- No recent upgrade of the computing facility.

OPPORTUNITIES

- The Institute may organize FDPs / National and International conferences for the benefit of their own faculty and other local Institutions for better visibility.
- Interdisciplinary and sponsored projects since Pune is hub of industries.
- Digital literacy to improve the overall functioning of the Institute.
- Opportunity for Inter-departmental collaboration
- Scope to promote entrepreneurial activities by setting up incubation centre.
- Life skill education, stress management and motivational speech.

CHALLENGES

1. A women college with students coming from varied socio economic background.
2. Industrial training and internship for faculty and students.
3. Placements in core companies.
4. Recruitment of faculty with doctoral degree.
5. Attracting quality top ranking students to the college.

Section IV: Recommendations for Quality Enhancement of the Institution

(Please limit to **ten major ones** and use telegraphic language) (It is not necessary to indicate all the ten bullets)

- Introducing course on human values and professional ethics for enrichment of the curriculum.
- Pune being hub of Industries, interaction with Industry needs to improve and possibility of more visit / internships to be explored.
- Teachers to be encouraged to participate in National and International professional activities beyond the state.
- Old hostel recreational facilities need to be upgraded; and better hygiene be maintained including installation of Napkins incinerator.
- Provision for issue of books from library may be made for a longer duration as per University norms
- Wi-Fi facility need to be extended to hostels and other common area.
- Provision for funding student participation in activities and competition outside the college.
- Sincere effort be made to invite core companies for campus recruitment offering better pay package.
- Non-teaching technical staff need to undergo technical skill upgradation in relevant field from time to time.
- Cadre ratio needs to be improved in all the departments.
- Summer and winter vacation should be utilized to provide training in upskilling of students, faculty and technical staff.
- Alumni association should be more active in facilitating campus recruitment for the students.
- Entrepreneurship development activities should be strengthened and establishment of Incubation cell be initiated.
- Professional development grant be provided to faculty members and publications in reputed journals be incentivized.
- Full time Principal needs to be recruited to provide academic leadership and guidance for future growth of the Institute.

I have gone through the observations of the Peer Team as mentioned in this report

Signature of the Head of the Institution

Seal of the Institution

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Sl.No	Name		Signature with date
1	DR. NUPUR PRAKASH	Chairperson	
2	MR. M B SRINIVAS	Member Co-ordinator	
3	DR. ANANTHANARAYANA VS	Member	
4	DR. K. RAMA	NAAC Co - ordinator	

Place

Date

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