

## Bharati Vidyapeeth's College of Engineering for Women, Pune-43

## **Strategic Plan**

Institute Vision Statement: Women Empowerment through Technical Education

**Institute Mission Statement:** 

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

## **Core Values**

- Commitment
- Respect
- Excellence
- Accountability
- Diversity

The Institute's strategic plan is aligned with the vision, mission, and core values of the institute.

Institute recognizes.

- The need for holistic development of girl students.
- Impact of capacity building of faculty members to impart quality education.
- Need to strengthen industry linkages.
- Importance of participation in extension activities.



Institute strives for

- Holistic development of girl students through
  - a. life skill practices.
  - b. building confidence in all types of communications.
  - c. building technical competence.
  - d. inculcation of creativity.
  - e. inculcation of financial intelligence.
- Capacity building of faculty members through
  - a. various kinds of training.
  - b. promotion of research activities and code of ethics.
- Strengthen industry linkages through
  - a. induction of industry experts.
  - b. sponsored projects.
  - c. internship.
- Increase student participation in extension activities.
- Implement Information and Communication Technology (ICT).



## **Strategic Goals**

Sr. No.	Performance Indicator	Parameter	Goal	Outcomes/ Deployment	
			Short Term	Long Term	
1		NBA	<ul> <li>The institute was established in the year 2000 and has a history of good academic achievements.</li> <li>The Institute will be seeking recognition from the standard accrediting bodies such as the NBA for all its UG Programs and for autonomy</li> </ul>		• Eligible for NBA but not applied
1	Accreditation	NAAC	<ul> <li>The institute is accredited by NAAC in the first cycle and preparing for the next subsequent cycles through IQAC.</li> <li>The institute aims at good grades for the next cycle. Participating in NIRF and improving institute score</li> </ul>		• Submitted SSR for Second Cycle & ready for PTV.
2	Employability	Training & Placement	<ul> <li>Implement well- designed training modules from first year Engineering.</li> <li>Awareness and practice of competitive programming and problem-solving coding skills.</li> <li>Increase interaction with recruiters and understand the expectations</li> </ul>	• Increase the number of placed students qualitatively & quantitatively	<ul> <li>Training cell designed Capacity Building Program, SWOT Analysis, Goal setting, Peers Feedback, etc are the modules, and this helps students in Self- analysis.</li> <li>Aptitude , Coding Club, Test Series help in increasing employability skill &amp; it reflects in 33 students achieving higher package in 23-24</li> <li>Placement Cell is interacting with recruiters to get diversity drives, quantitatively and qualitatively</li> </ul>



To provide individual with the tools, information, and resources needed	d guidance and assistance to achieve their career goals. create awareness sto set of Higher studies such as
with the tools,       information, an       Career       resources needed	<ul> <li>To empower students by providing d assistance to a, Goal ming, s to set</li> <li>To empower students by providing guidance and assistance to achieve their career goals. create awareness of Higher</li> <li>During Second cycle Career Guidance Cell has been formed to conduct various expert about higher</li> </ul>
Guidance Cellself-exploration setting and plan• To help student realistic and ach career goals	hievable Education, Self- employment, and Job opportunities. GATE, UPSC/MPSC, GRE, etc & many students benefited from it.
techniques. time to prac improve thes regularly. Networking Semester): Star your pro- network by workshops, and conference to your field. with p	<ul> <li>Degree Completion (3-4 Years): Graduating with a strong academic record is a long- term goal. Plan your course schedule, seek academic guidance, and stay committed to your studies.</li> <li>Professional CAD or lab Allocate tex skills</li> <li>Professional CAD or lab Allocate tex skills</li> <li>MattLAB, or specific Professional CAD or lab</li> <li>MattLAB, or specific</li> <li>Professional College): Identify relevant industry certifications and work towards obtaining them as you progress through your academic journey.</li> <li>Research Opportunities (2- 4 Years): If you're interested interested interested opportunities (2- 4 Years): If you're interested inter</li></ul>





• Internation	and potentially	discussions
• Internship	· · ·	
(Summer/Winter Break):	publish your	and
Seek opportunities for	work in academic	presentations,
internships or co-op	journals.	demonstrating
programs in your field of	-	improved
interest. These	(2-4 Years):	communicatio
experiences can provide	Consider taking	n skills and
hands-on technical	on leadership	technical
exposure and real-world	roles in student	knowledge
applications of what	organizations,	• Students
you've learned.	clubs, or projects.	establish
• Project Participation (1-2	Leadership	connections
Semesters): Join	experience	with industry
engineering projects or	enhances your	professionals
student organizations	technical and soft	and mentors,
that align with your	skills.	gaining
interests. This will allow	• Networking and	valuable
you to apply your skills	Mentoring	insights and
in a practical setting and	(Throughout	guidance for
collaborate with peers.	College):	their career
F	Continue to	development
	expand your	• Students
	professional	pursue and
	network by	secure
	attending	internships,
	conferences,	co-op
	seminars, and	positions, or
	workshops. Seek	entry-level
	out mentors who	roles in
	can provide	engineering
	guidance in your	fields, setting a
	field.	solid
	Career	foundation for
	Preparation (Final	their careers.
	Year): As you	• Students
	approach	develop
	graduation, start	expertise in
	preparing for	specific areas
	your career by	of
	polishing your	engineering,
	resume,	such as
	practicing	Machine
	interview skills,	learning, data
	and researching	science, or
	job opportunities	Embedded
	in your chosen	systems, based
	field.	on their
	<ul> <li>Post-Graduation</li> </ul>	interests and
	Studies	market
	(Optional, Post-	demands
	Graduation): If	<ul> <li>Students</li> </ul>
	you plan to	contribute to
	pursue advanced	creating a
	technical skills,	more inclusive
	teenneur skins,	more merubrye



			consider enrolling in a master's or Ph.D. program in your area of interest.	and diverse engineering community, fostering an environment where women's perspectives and contributions are valued • Students adopt a mindset of continuous learning and adaptability, staying updated with emerging technologies and industry trends throughout their careers.
6   Page	Soft Skills	<ul> <li>Effective Communication (1-2 Semesters): Focus on improving your communication skills, both written and verbal. Set goals for clear and concise presentations, active listening, and articulating ideas effectively.</li> <li>Teamwork (1-2 Semesters): Actively participate in group projects or team-based assignments. Aim to collaborate effectively, respect diverse viewpoints, and contribute to the success of your team.</li> <li>Leadership Opportunities (1-2 Semesters): Seek leadership roles in student organizations, clubs, or engineering projects within your college. This will provide hands-on</li> </ul>	<ul> <li>Leadership Development (2- 4 Years): Continue to seek leadership positions in various organizations or projects to refine your leadership skills further. Attending leadership workshops and seminars.</li> <li>Networking (Throughout College): Build and maintain a strong professional network by attending industry events, career fairs, and networking functions. Connect with alumni and</li> </ul>	<ul> <li>Students enhance their ability to articulate ideas clearly and effectively in both written and verbal formats, including presentations and reports.</li> <li>Students work more effectively in teams, demonstrating improved ability to collaborate, share responsibilitie s, and contribute to group goals.</li> <li>Students develop and apply effective time management</li> </ul>





experience in leadership	professionals in	strategies,
and decision-making.	your field.	balancing
• Conflict Resolution (1-2	Conflict	academic
Semesters): Learn how to	Resolution	responsibilitie
navigate and resolve	Mastery (2-4	s with
conflicts within teams or	Years): Aim to	extracurricular
groups. Practice	become proficient	activities and
constructive	in conflict	personal
communication and	resolution. You	commitments.
conflict resolution	can do this by	• Students build
techniques.	actively	professional
• Time Management (1-2	participating in	networks and
Semesters): Work on	resolving	demonstrate
your time management	conflicts and	appropriate
skills to balance	seeking	networking
academic work,	mentorship from	skills and
extracurricular activities,	experienced	professional
and personal life	individuals.	behavior in
effectively.	Public Speaking	various
	and Presentation	settings
	Skills (2-4	• Students
	Years): Continue	enhance their
	to work on your	ability to
	public speaking	analyze
	and presentation	problems,
	skills by	think
	participating in	critically, and
	speaking	devise
	engagements,	effective
	competitions, or	solutions in
	joining a public	both academic
	speaking club.	and real-world
	<ul><li>Cultural</li></ul>	contexts
	Competency (2-4	• Students take
	Years): In a	on leadership
	diverse	roles and show
	engineering field,	initiative in
	it's crucial to	academic and
	understand and	extracurricular
		activities,
	respect cultural differences.	demonstrating
	Engage in	the ability to
	activities or	lead teams and
		projects
	workshops that promote cultural	<ul> <li>Students</li> </ul>
	-	
	competency.	develop strong
	Critical Thinking     and     Problem	emotional
	and Problem-	intelligence,
	Solving (Through out	including
	(Throughout	empathy, self-
	College):	awareness,
	Enhance your	and effective
	problem-solving	interpersonal
	abilities by	skills,



			<ul> <li>actively participating in challenging projects and applying critical thinking skills to real-world problems.</li> <li>Mentorship (Throughout College): Seek out mentors who can provide guidance and advice on developing your soft skills. They can offer valuable insights based on their experiences.</li> <li>Career Readiness (Final Year): In your final year, focus on preparing for your engineering career by refining your resume,</li> <li>practicing interview skills, and seeking internships or co- op experiences.</li> </ul>	<ul> <li>improving their ability to navigate professional relationships</li> <li>Students become well- prepared for their careers, demonstrating strong soft skills that enhance their employability and professional growth</li> <li>Students adopt a mindset of continuous personal and professional development, seeking opportunities for growth and self- improvement throughout their careers</li> <li>Students contribute to fostering a positive and inclusive work culture in their professional environments, promoting collaboration, respect, and ethical behavior</li> </ul>
<b>8</b>   P a g e	Professional Aptitude	<ul> <li>Professionalism (1-2 Semesters): Focus on punctuality, organization, and maintaining a positive attitude in all your interactions, whether it's with professors, peers, or potential employers.</li> <li>Networking (1-2 Semesters): Attend</li> </ul>	• Internships/Co- op Experience (2- 4 Years): Secure internships or co- op positions related to your field of study. Practical experience is invaluable for	• Students will acquire and apply skills that are directly relevant to their chosen engineering fields, such as technical competencies,



<ul> <li>career fairs, and industry-related seminars, within your college, Actively engage with professionals and peers to build valuable connections.</li> <li>Resume Building (1) Semester): Update your resume with relevant coursework, projects, and any par-time jobs or internships. Seek advice resume.</li> <li>Interview Preparation (1) Semester): Start preparing for interviews by practicing common interview skills.</li> <li>Professional researching companies, and improving your interview skills.</li> <li>Professional Skills.</li> <li>Students and personal branding to chanace your professionals skills.</li> <li>Students and advice. Consider professionals, start writing. LinkedIn personal branding to chanace your professional skills.</li> <li>Students and advice. Consider professionals, start writing. LinkedIn personal branding to chanace your professional skills.</li> <li>Soft Skills, share your achievements, and stay informed about industry industry treesent that highlight interview withing the connect with professionals, start writing. LinkedIn personal branding to chanace your professionals, start writing. LinkedIn personal branding to chanace your professionals, start writing. LinkedIn personal branding to chanace your professionals, start writing. LinkedIn professionals, start wr</li></ul>	networking events,	your professional	industry-
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		improving your	
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		teamwork, and		, and potential
		leadership, as		employers
		these are highly	•	Students
		valued by		secure
		employers.		positions in
	•	Professional		engineering
	•	Conferences		roles that align
		(Throughout		with their
		College): Attend		skills,
		industry-specific		
		conferences and		interests, and career
		seminars to gain		aspirations,
		exposure to the		marking a
		latest		successful
		developments in		transition from
		your field and		academia to
		network with		the
		professionals.		professional
	•	Global		world
		Perspective (2-4	•	Students
		Years): If		achieve
		possible, consider		significant
		international		milestones in
		internships, study		their careers,
		abroad programs,		such as
		or projects that		promotions,
		allow you to gain		professional
		a global		development,
		perspective on		and
		engineering.		recognition in
	•	Certifications		their field
		(Throughout	•	Students build
		College): Identify		and maintain a
		relevant		robust
		certifications in		professional
		your field and		network that
		work toward		supports their
		obtaining them to		career growth
		demonstrate your		and provide
		expertise and		opportunities
		commitment to		for
		your profession.		collaboration
	•	Career Planning		and
		(Final Year):	_	mentorship
		Develop a clear	•	Students
		career plan in		contribute to
		your final year. This should		advancements
				in their field
		include setting short-term and		through innovation,
		short-term and long-term career		leadership,
		goals, identifying		and active
		potential		participation
		employers, and		in industry
		employers, and		m mausu y



				<ul> <li>preparing job applications.</li> <li>Lifelong Learning (Throughout Career): Commit to continuous learning and professional development throughout your engineering career to stay up to date with evolving technologies and industry trends.</li> </ul>	<ul> <li>initiatives or research</li> <li>Students adopt a mindset of continuous professional development, staying updated with industry trends, pursuing additional qualifications, and engaging in ongoing learning</li> </ul>
		Industry Linkages	<ul> <li>Identify the organizations and industries in the nearby areas for linkage and interaction.</li> <li>Build a network for relationships.</li> <li>Inspire &amp; motivate the students and faculty to work in collaboration with industry</li> </ul>	<ul> <li>Undertake industry projects, internship training and secure employment.</li> <li>Give incentives to staff who undertake this activity.</li> <li>Sign MoU</li> </ul>	<ul> <li>Identified organization &amp; provided internship</li> <li>MoU &amp; Industrial Vistits arranged.</li> <li>Inspired student by registering for Internshala, AICTE internship portal</li> </ul>
4	Industry Academic Partnership	Consultancy	<ul> <li>To sign an MOU with Core Industries.</li> <li>To visit industries to build good industry- institute interaction.</li> <li>To arrange training sessions for faculty and students.</li> </ul>	<ul> <li>To build a team of experts in various streams of engineering in the institute.</li> <li>To procure industry projects for students and faculty members.</li> <li>To undertake government projects of specific problems which are of short duration.</li> <li>To start various courses by expert faculty of the institute.</li> </ul>	<ul> <li>We have signed MoU with Core industry such as Ergen Technovation, Aashay Measurements, Akshsay Embedded Systems, Invavit Systems.</li> <li>Following activities have been conducted in the institute under these MoU's Industrial Visit, Internship, Sponsorship for startup Idea</li> </ul>

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	• Find out the		Competition in yeas 2022-23 Rs. 13000/- & 2023-24 Rs.10000/-
Industry Sponsored Laboratory	<ul> <li>establishments and industrial firms in the specialized areas and build an association to</li> <li>Carry out Joint research projects, seminars, workshops, consultancy, set</li> </ul>	Set up industry- supported laboratories	<ul> <li>Equipment's for Printed Circuit Board (PCB) Lab purchased and set up for Mini Projects.</li> <li>Applied for AICTE Idea Lab.</li> </ul>
Entrepreneu rship	<ul> <li>Inculcating the spirit of entrepreneurship in students</li> <li>Getting insight into entrepreneurial theory and practice through activities and workshops</li> <li>Organizing motivational and inspirational talks from successful Entrepreneurs</li> <li>Facilitating students to</li> </ul>	To create an entrepreneurial ecosystem in the institute where students will get motivated to take up entrepreneurship over a job.	<ul> <li>The cell organized Seminar, webinar, webinar, workshops, Industrial visits and interaction with Entrepreneurs to encourage the new generation students about Entrepreneurs hip skills. The effective sessions were conducted on Entrepreneurs hip to understand benefits, importance and effects on GDP of the country</li> <li>Outcome is in last 5 years more than 10 students have their own businesses</li> </ul>



5	Future Demand for Eng. Disciplines	Green Energy	<ul> <li>Perform Energy Audit annually. Phasing out the tube lights used for lighting by low consumption energy- efficient LED tube lights.</li> <li>Use of energy-saving electrical appliances such as motion sensor- based electrical equipment.</li> </ul>	Rooftop Solar panel to be installed.	<ul> <li>Energy Audit 21-22, 22-23 &amp; Green Audit 21-22 &amp; 22-23 performed by Approved Auditor.</li> <li>Motion sensors are installed in Washrooms as energy saving equipment's.</li> <li>Low consumption LED tube lights are installed</li> <li>Separate roof top of 50 KW can be installed on institute building but presently not achieved due to floor rise plan</li> </ul>
		Student Global Certification	<ul> <li>Motivate students to go for Global certification courses. Offering these certifications can add a better value to its existing education program and increase the employability and skill level of the student in local and global markets.</li> <li>Faculty members teaching to 3rd year and Final year engineering students should identify such global certification programs for students</li> </ul>	Faculty members should contribute to MOOC courses on Swayam and NPT	<ul> <li>No such contributions in terms of MOOC courses on Swayam or NPTEL is achieved</li> </ul>
6	Eng. R&D Development	Interdiscipli nary Projects	<ul> <li>Discover crucial, innovative research areas that involve different subjects.</li> <li>Give resources to teachers and projects in these chosen areas.</li> </ul>	Motivate faculty members to identify potential areas and then narrow them to a small group of subjects that most teachers can work on together.	<ul> <li>Project were discovered from innovation research area &amp; different domain</li> <li>Motivation is given to faculty</li> </ul>

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					members to
					members to identify potential area & to work on it with respect to different research work & research paper.
		Publications	• Publications in reputed resources at the National and International Levels.	• To encourage faculties to do publications in reputable resources such as SCI/SCOPUS/U GC/PubMed database.	<ul> <li>The institute is offering incentives to faculty members for publications in reputed resources to motivate them</li> <li>Incentives encourage faculty members to publish their research in Elite Journals</li> </ul>
		Patents	• To make awareness related to Intellectual Property Rights by organizing workshops, and seminars to file Patent applications	• To strengthen the Novel Research and Innovative ideas by filing the Patents and IPRs	• During 2 <sup>nd</sup> Cycle 7 patents have been granted & 25 patents published.
		Grants	<ul> <li>Enhance Research culture among the faculty and students. Attracting more Research projects from the reputed funding agencies.</li> <li>Applying for development grants from reputed agencies.</li> </ul>	• Strengthen the competency of the faculty through Quality Improvement Programs and Quality Improvement Schemes and improve the qualifications of the faculty.	<ul> <li>Received Development &amp; Research part grants from reputed Funding agencies such as ATAL FDP Rs.3,50,000/- from AICTE ATAL &amp; Rs.2,50,000/- from IQAC, SPPU as a Research Project Grant</li> <li>Submitted the Potential Proposal for AICTE IDEA lab of Rs.97,17,146/- awaiting the status</li> </ul>
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			of grant to be received
Organizatio n of Conference/ Workshop	<ul> <li>Organizing the Conference in collaboration with the reputed professional body.</li> <li>Organizing Workshops from the Apex and other reputed bodies.</li> </ul>	• Reputed resource publications and Collaborations with Professional bodies/ chapters	<ul> <li>International Conference on "Recent Trends in Science Technology &amp; Management" ICRTSTM- 2024 was organized on 28<sup>th</sup> &amp; 29<sup>th</sup> June, 2024.</li> </ul>

IQAC .Coordinator

Bharati Vidyapeeth's College of Engineering for Women Rune-Satara Road, Pune-411043.

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