



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai NAAC "B++" Grade

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5844A/2024-25

Date : 02.7.24

Institutional Development Plan

Strategic Plan 2024-2029

Vision

VIVA Institute of Technology strives to impart total quality education by equipping students with knowledge and skills in their chosen stream, inculcating cultural and ethical values, identifying hidden talents, providing opportunities for students to realize their full potential, and thus shaping them into future leaders, entrepreneurs, and above all, good human beings.

Mission

To develop the standard of the institute above benchmark level by providing students with advanced knowledge and the latest technology in their chosen discipline, tapping their hidden and obvious potential, and molding them into good and responsible citizens capable of playing a meaningful role in industry and society.

Strategic Objectives (2024-2029)

1. Academic Excellence and NEP-2020 Implementation

Goal: Achieve full integration of NEP-2020 across all UG and PG programs.

Strategies:

- Complete curriculum restructuring for FY and SY as per NEP-2020, emphasizing multidisciplinary and skill-based learning.
- Introduce value-added and interdisciplinary courses such as AI, IoT, Data Science, and Humanities electives.
- Implement Academic Bank of Credits (ABC) and facilitate inter-institutional and intra-disciplinary mobility.

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- Establish Flexi-Learning Frameworks with minor/specialization options.
- Embed Universal Human Values, Environmental Studies, and Ethics in all programs.
- Conduct faculty orientation programs on experiential, outcome-based, and blended learning methods.

2. Accreditation, Quality Assurance, and Autonomy

Goal: Sustain NAAC accreditation, achieve NBA accreditation and secure academic autonomy in AY 2024-25.

Strategies:

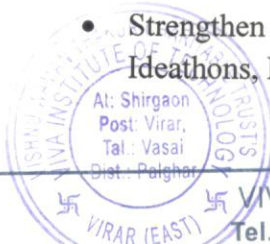
- Continuously strengthen quality assurance practices to sustain and improve the NAAC grade, achieve NBA accreditation, and secure academic autonomy in AY 2024-25.
- Strengthen the IQAC as a nodal center for quality monitoring, analytics, and documentation.
- Prepare and submit Autonomy Proposal during AY 2024-25.
- Establish statutory bodies — Academic Council, BoS, Finance Committee, and Governing Body — for autonomy operations.
- Conduct Gap Analysis for NBA accreditation and prepare Self-Assessment Reports (SARs).

3. Research and Incubation Cell (RIC)

Goal: Strengthen and expand the existing Research and Incubation Cell (RIC) to promote a culture of innovation, applied research, and entrepreneurship.

Strategies:

- Strengthen and expand the existing Research and Incubation Cell (RIC) to promote a culture of innovation, applied research, and entrepreneurship.
- Expand the RIC into a multidisciplinary Center for Research and Incubation with focused domains such as AI, IoT, Renewable Energy, and Smart Systems.
Support faculty and student research through seed funding, patent facilitation, and industry-collaborative projects.
- Encourage participation in government-funded research proposals (AICTE, DST, SERB, MSME, etc.).
- Strengthen the Institution's Innovation Council (IIC) to mentor student start-ups and conduct Ideathons, Hackathons, and Avishkar competitions.



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- Foster partnerships with industry and academia for consultancy, prototype development, and commercialization.

4. Faculty Development and Capacity Building

Goal: Develop competent, research-oriented, and pedagogically advanced faculty.

Strategies:

- Conduct FDPs and training sessions on NEP-2020, OBE, ICT tools, research design, and publication ethics.
- Encourage faculty to pursue Ph.D., post-doctoral, and sponsored research through collaborations.
- Institutionalize a Faculty Mentoring System to promote peer learning and pedagogical improvement.
- Motivate participation in NPTEL, SWAYAM, and ATAL FDPs and reward certified faculty.
- Recognize and incentivize outstanding faculty performance in teaching, research, and societal engagement.

5. Student Development, Employability, and Social Engagement

Goal: Nurture holistic student development with employability, innovation, and ethical values.

Strategies:

- Strengthen the Career Guidance, Training, and Placement Cell with industry-aligned training programs.
- Integrate Life Skills, Communication, Emotional Intelligence, and Entrepreneurship modules in the curriculum.
- Encourage student participation in SIH, Avishkar, Hackathons, and Start-up Competitions through RIC mentoring.
- Implement a Student Mentorship Scheme for academic, personal, and career guidance.
- Enhance community engagement through NSS and Unnat Bharat Abhiyan initiatives.

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6. Infrastructure and Digital Transformation

Goal: Build modern, sustainable, and digitally enabled learning spaces.

Strategies:

- Upgrade laboratories with AICTE-compliant smart technologies and advanced simulation tools.
- Develop Smart Classrooms and a Digital Learning Resource Center (DLRC) integrated with LMS platforms.
- Introduce e-Governance systems for academic, examination, and administrative processes.
- Strengthen cybersecurity measures and digital access infrastructure.
- Implement Green Campus initiatives — renewable energy, waste management, and paperless documentation.

7. Governance, Autonomy, and Institutional Branding

Goal: Strengthen participative governance and enhance institutional visibility post-autonomy.

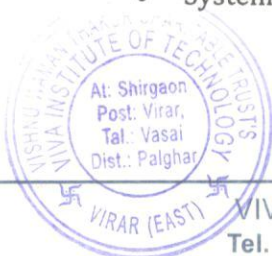
Strategies:

- Establish a Strategic Planning and Development Board to oversee progress toward institutional goals.
- Engage stakeholders — alumni, parents, and industry experts — in strategic decision-making and advisory roles.
- Publish Annual Quality Assurance Reports (AQARs) and promote institutional achievements through print, digital, and social media.
- Sign MoUs with industries, universities, and R&D organizations for collaborative programs.
- Develop a strong institutional brand identity emphasizing excellence, innovation, and social responsibility.

SWOC Analysis

Strengths:

- Consistent academic performance with strong student outcomes.
- Systematic approach for holistic development of students and staff.



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- In-house developed ERP system ensuring effective academic and administrative management.
- Efficient counselling and mentoring mechanism for student support.
- Robust placement assistance with continuous industry engagement.
- Implementation of NEP 2020 in curriculum and pedagogy.
- Active Skill Development Center (ACKVK) promoting employability and technical skills.

Weaknesses:

- Limited industry-based projects and consultancy activities.
- Low participation in initiatives of the Research and Incubation Cell (RIC).
- Few patent filings and research publications.
- Moderate alumni engagement and networking activities.

Opportunities:

- Greater alumni involvement in strategic planning, mentoring, and institutional development.
- Expanding entrepreneurship and start-up initiatives through RIC and incubation support.
- Enhanced industry collaboration for joint research, innovation, and internships.
- Scope for faculty and student exchange programs with academia and industry partners.

Challenges:

- Improving overall placement rate and package levels across all branches.
- Establishing collaborations with premier industries and R&D organizations.
- Securing external research funding and sponsored projects.
- Sustaining start-up incubation and commercialization efforts.

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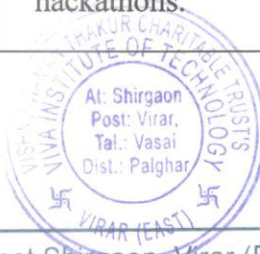
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Implementation Timeline

Academic Year	Key Focus Areas	Description
2024-25	Autonomy, NBA, NEP, Quality Enhancement	• Submit Autonomy Proposal and initiate statutory bodies. • Prepare NBA Self-Assessment Report • Implement NEP-2020 for FY and SY programs. • Strengthen RIC with domain-specific clusters (AI, IoT, Smart Systems). • Undertake curriculum restructuring aligned with OBE and industry needs. • Enhance quality practices to sustain and improve NAAC grade.
2025-26	Accreditation and Industry Collaboration	• Complete NBA evaluation and accreditation process. • Establish more MoUs with industries and R&D organizations. • Expand Research and Incubation activities for interdisciplinary projects. • Launch minor/specialization programs under NEP framework. • Promote faculty participation in FDPs and research projects.
2026-27	Implementation under Autonomy	• Operationalize academic autonomy with new curriculum structure. • Introduce multidisciplinary and flexible learning pathways. • Implement research seed grant schemes. • Strengthen assessment, examination, and feedback systems. • Organize National / International-level conferences and hackathons.

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2027-28	Research, Innovation, and Global Linkages	• Build collaborations with premier industries and international universities. • Increase funded research proposals and patents. Support incubation and start-up initiatives through RIC and IIC. • Expand placement networks and internship programs. Encourage international student and faculty exchange.
2028-29	Excellence, Benchmarking, and Next Accreditation Cycle	• Prepare for next NAAC and NBA accreditation cycles. Conduct institutional benchmarking and impact analysis. • Showcase achievements in research, innovation, and placements. • Strengthen governance and policy frameworks under autonomy. • Enhance institutional visibility and national ranking.

Mechanisms for Monitoring, Evaluation, and Continuous Improvement:

- Annual review by IQAC.
- Department-wise Key Performance Indicators (KPIs) for academics, research, and outreach.
- Mid-term SWOC analysis and strategic plan updates every two years.
- Transparent reporting to Governing Body and Academic Council post-autonomy.

Mrs. Karishma Raut

IQAC coordinator



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