Nutan Maharashtra Vidya Prasarak Mandal's
NUTAN MAHARASHTRA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Under Administrative Support - Pimpri Chinchwad Education Trust
ESTD : 1906
Approved by AICTE | Accredited by NAAC | Affiliated to SPPU
"Samarth Vidya Sankul", Vishnupuri, Telegaon Dabhade, Taluka Maval, District Pune - 410507
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Institute Development Plan (2023 – 2030)

1. Institute Vision & Mission

VISION OF THE INSTITUTE

To be a notable institution for providing quality technical education and ensuring ethical, moral and holistic development of students.

MISSION OF THE INSTITUTE

To nurture engineering graduates with state of the art competence, professionalism and problem solving skills to serve needs of industry as well as society.

2. Merging of NCER and NMIET Affiliated to SPPU (2023-24)

- **Objective**: Successfully merge NCER and NMIET, ensuring a smooth transition of academic and administrative operations while retaining the core strengths of both institutions.
- **Steps**:
  1. **Merger Committee**: Form a merger committee with representatives from both institutions, including faculty, administrators, and key stakeholders.
  2. **Alignment of Governance Structure**: Align the governance policies, decision-making processes, and administrative functions to ensure a seamless transition.
  3. **Curriculum and Program Alignment**: Review and harmonize curricula, course offerings, and academic calendars. Ensure that there are no overlaps in course content or teaching resources.
  4. **Infrastructure Integration**: Combine physical resources like classrooms, laboratories, libraries, and hostels. Identify any infrastructure gaps and invest in required improvements.
  5. **Student Integration**: Provide students with a clear communication strategy about the merger, including changes in administration, curriculum, and facilities. Ensure that students can adapt to the new academic environment.
  6. **Faculty Integration**: Facilitate smooth faculty integration with workshops, team-building exercises, and the alignment of teaching methodologies.
  7. **Compliance with SPPU**: Ensure that the merger complies with the guidelines of Savitribai Phule Pune University (SPPU), including academic, administrative, and regulatory frameworks.
  8. **Legal and Accreditation Process**: Review and revise the legal and accreditation documentation in light of the merger, ensuring that all necessary approvals are obtained from SPPU, AICTE, NBA, NAAC, and other relevant bodies.

3. NMA Accreditation for Computer, E&TC, and Mechanical Engineering(2023-24)

- **Objective**: Achieve NMA (National Board of Accreditation for Management) accreditation for the Computer, E&TC, and Mechanical Engineering departments to enhance their credibility and quality.
- **Steps**:
    1. **Departmental Self-Assessment**: Conduct a thorough self-assessment in the Computer, E&TC, and Mechanical departments, covering infrastructure, faculty qualifications, curriculum, and student outcomes.
    2. **Review Program Educational Objectives (PEOs)**: Ensure that the PEOs and Program Outcomes (POs) for each of these programs are aligned with industry needs and the NMA's accreditation standards.
    3. **Update Curriculum**: Revise and update the curriculum in these departments to incorporate emerging trends such as AI, IoT, and robotics for Computer Science; communications and signal processing for E&TC; and advanced manufacturing techniques for Mechanical Engineering.
    4. **Industry Linkages**: Strengthen industry partnerships for internships, live projects, and guest lectures, which will be a key criterion in the NMA evaluation process.
    5. **Documentation for NMA**: Prepare and submit the required documentation for the NMA accreditation, ensuring compliance with all standards and guidelines.
    6. **Feedback from Stakeholders**: Collect and analyze feedback from students, alumni, and employers on the relevance and quality of education in these departments.
    7. **Continuous Monitoring**: Implement a continuous monitoring system for academic performance, faculty development, and student progression to meet the standards set by the NMA.

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4. NAAC Cycle-2 Accreditation(2024-25)

- **Objective**: Achieve or retain **NAAC Cycle-2 Accreditation**, focusing on the institution's overall academic quality, infrastructure, governance, and student outcomes.
- **Steps**:
    1. **Self-Study Report (SSR) Preparation**: Prepare a comprehensive SSR that reflects the progress made since the last NAAC cycle. Highlight the improvements in areas like teaching, research, infrastructure, and community outreach.
    2. **Key Performance Indicators (KPIs)**: Identify and track KPIs for all departments, with a special focus on the newly merged institution's academic and research strengths.
    3. **Strengthen Teaching-Learning and Evaluation**: Ensure that there are robust systems in place for monitoring teaching effectiveness, student performance, and course evaluation.
    4. **Research and Innovation**: Increase research and innovation output by encouraging faculty research, collaborative projects, and student research programs. Strengthen the research culture.
    5. **Student Support Services**: Enhance student support services such as counseling, mentoring, career services, and extracurricular activities to foster holistic development.

6. **Engagement with Alumni and Industry**: Establish strong alumni networks and industry relationships to provide real-world insights, internships, placements, and networking opportunities.
7. **Infrastructure and Learning Resources**: Review and upgrade infrastructure such as libraries, laboratories, sports facilities, and IT infrastructure to align with NAAC standards.
8. **Feedback Mechanisms**: Regularly collect feedback from students, faculty, and other stakeholders on various aspects of academic and administrative functioning.
9. **Internal Audits and Reviews**: Conduct internal audits to assess progress and readiness for the NAAC accreditation visit, ensuring all documentation is in place.

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5. Attaining Autonomy (2025-26)

- **Objective**: Seek autonomy from the university to provide more flexibility in curriculum design, fee structure, student intake, and academic freedom.
- **Steps**:
    1. **Preparation of Documentation**: Ensure compliance with the guidelines provided by the respective state education department or UGC for autonomy.
    2. **Internal Discussions**: Engage with faculty, administrative staff, and stakeholders to discuss the implications and benefits of autonomy.
    3. **Infrastructure and Academic Policies**: Strengthen internal policies in areas such as faculty recruitment, curriculum development, and exam systems to meet the standards for autonomy.
    4. **Submit Application**: Prepare and submit a formal application to the concerned authorities for the autonomy status.

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6. NBA Accreditation for IT Department (2025-26)

- **Objective**: Achieve NBA accreditation for the IT Department to enhance the credibility and quality assurance of the program.
- **Steps**:
    1. **Self-Assessment Report (SAR)**: Prepare and submit an SAR highlighting the program's strengths, student outcomes, faculty qualifications, infrastructure, and industry linkages.
    2. **Program Outcomes (POs) and Program Educational Objectives (PEOs)**: Refine and align them with global standards for the IT sector.
    3. **Curriculum Review**: Ensure the curriculum is up-to-date and industry-relevant, incorporating emerging trends like AI, cybersecurity, and data science.
    4. **Faculty Development**: Encourage faculty members to undergo training in pedagogical methods, research, and industry practices.
    5. **Industry Collaborations**: Strengthen ties with tech companies for internships, projects, and industry visits.
    6. **Preparation for Visit**: Organize all necessary infrastructure, documentation, and evidence for the accreditation team visit.

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7. Reaccreditation for Computer, E&TC & Mechanical Engineering Departments (2026-27)

- **Objective**: Ensure the reaccreditation of the Computer Science, E&TC (Electronics and Telecommunication), and Mechanical Engineering departments.
- **Steps**:
  1. **Continuous Improvement**: Ensure the departments have made improvements since the last accreditation and document the changes made in curriculum, research, and infrastructure.
  2. **Gather Data on Outcomes**: Collect data on student performance, faculty qualifications, research output, and industry engagement.
  3. **Engage Stakeholders**: Conduct surveys for students, alumni, and employers to assess the department's effectiveness.
  4. **Curriculum Updates**: Ensure that the curriculum is aligned with current industry needs and emerging technologies.
  5. **Accreditation Documentation**: Prepare a detailed report for reaccreditation, demonstrating improvements and ongoing quality assurance.

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8. NAAC Cycle 3 Accreditation (2029-30)

- **Objective**: Achieve or maintain NAAC accreditation for the institution, improving its ranking and enhancing its reputation.
- **Steps**:
  1. **Preparation of Self-Study Report (SSR)**: Compile a comprehensive SSR that includes details on institutional governance, academic processes, research contributions, and community engagement.
  2. **Strengthening Teaching-Learning Processes**: Invest in modern teaching methodologies such as flipped classrooms, blended learning, and experiential learning.
  3. **Research and Innovation**: Showcase the institution's contributions to research, innovation, and collaboration with industries and international bodies.
  4. **Resource Mobilization**: Demonstrate effective use of resources, including faculty development programs, infrastructure, and financial management.
  5. **Internal and External Audits**: Regularly conduct internal assessments and prepare for external audits from the NAAC team.

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9. Introduction of New PG Courses: MBA, MCA (2025-26)

- **Objective**: Introduce new postgraduate programs like MBA and MCA to cater to evolving industry needs and attract a wider pool of students.
- **Steps**:
  1. **Market Research**: Conduct surveys and studies to understand the demand for MBA and MCA programs in the region and among prospective students.
  2. **Curriculum Design**: Develop a curriculum that integrates industry requirements, emerging technologies, and soft skills development. For MBA, focus on entrepreneurship, business analytics, and digital transformation. For MCA, focus on data science, AI, and machine learning.

3. **Faculty Recruitment**: Hire experienced faculty with strong academic backgrounds and industry experience.
4. **Infrastructure Enhancement**: Provide the necessary infrastructure, such as computer labs, libraries, and research centers, specifically for these PG programs.
5. **Industry Collaborations**: Establish partnerships with businesses and organizations for internships, industry visits, and projects.
6. **Accreditation Preparation**: Ensure the new programs meet the eligibility criteria for accreditation bodies like AICTE, NBA, and NAAC.
7. **Marketing and Promotion**: Create awareness of these new courses through digital platforms, career fairs, and industry interactions.

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10. Enhancing Research and Innovation (2026-2028)

- **Objective**: Strengthen the institution's research output to align with accreditation standards and industry needs.
- **Steps**:
  1. **Research Centers**: Establish centers of excellence in key areas such as AI, Robotics, Renewable Energy, etc.
  2. **Faculty Incentives**: Introduce a faculty research incentive program to encourage publication in high-impact journals and collaboration with industry.
  3. **Student Research**: Promote student research through hackathons, research projects, and funding support for innovative ideas.
  4. **Collaborations**: Establish MoUs with industries, research organizations, and other academic institutions for collaborative projects and research.

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11. Faculty Development (2026-2028)

- **Objective**: Ensure continuous professional development for faculty to stay updated with the latest in pedagogy and industry practices.
- **Steps**:
  1. **Training Programs**: Organize workshops, seminars, and training in emerging technologies, research methodologies, and innovative teaching practices.
  2. **Industry Exposure**: Facilitate faculty exchange programs and short-term industry internships for faculty members.
  3. **Research and Publications**: Encourage faculty to engage in research projects and publish in reputed journals and conferences.

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12. Student Development (2026-2028)

- **Objective**: Foster holistic development in students through academic, co-curricular, and extracurricular activities.
- **Steps**:
  1. **Soft Skills and Employability Training**: Set up dedicated training modules for communication skills, leadership, and interview preparation.
  2. **Industry Internships**: Strengthen industry-institute linkages for internships, guest lectures, and live projects.

3. **Entrepreneurship Cells**: Establish or strengthen an entrepreneurship development cell to encourage student startups and innovations.
4. **Alumni Engagement**: Create strong networks with alumni for mentoring, placements, and industry insights.

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13. Infrastructure and Facilities Development (2024-2030)

- **Objective**: Upgrade campus infrastructure to support academic excellence and student well-being.
- **Steps**:
  1. **Classroom Upgrades**: Ensure classrooms are equipped with modern teaching aids like smart boards and audio-visual systems.
  2. **Library and Labs**: Enhance the library with digital resources and improve labs with the latest equipment for research and experiments.
  3. **Student Amenities**: Improve hostels, cafeterias, recreational facilities, and campus Wi-Fi to provide a conducive environment for learning.
  4. **Green Campus Initiatives**: Implement sustainability initiatives like solar power, waste management, and water conservation on campus.

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14. Evaluation and Continuous Monitoring (2023-2030)

- **Objective**: Ensure continuous monitoring and improvement of the institution's performance.
- **Steps**:
  1. **Annual Reviews**: Conduct annual performance reviews of academic, administrative, and research departments.
  2. **Feedback Mechanism**: Establish continuous feedback systems from students, faculty, and industry partners.
  3. **Audit and Compliance**: Regular internal audits to ensure adherence to standards set by accreditation bodies.

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