

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary

The institution has adopted the NEP's vision, which aims to establish a human resource base through high-quality education. The key NEP principles, such as diversity for all curricula and pedagogy with technological innovations in teaching and learning, were raised during a discussion among the faculty members. With the 2019 pattern, Savitribai Phule Pune University (SPPU) has revised its academic programs to include multidisciplinary and interdisciplinary audit, elective, and honors courses. Every program was developed to provide students with as much flexibility as possible to choose courses from different departments. It can be said that the University is actively attempting to put the NEP's suggestions into practice. It is possible to fully develop students' intellectual, aesthetic, social, physical, emotional, and moral capabilities so they can stop depending on government and private employment and instead prepare themselves for self-employment. The program learning outcomes, which identify the precise knowledge, skills, attitudes, and values, are also identified by the institute at the end.

2. Academic bank of credits (ABC)

As per SPPU directives, NBNSTIC adopts a choice-based credit system and grading system for all its programs. Presently, the curriculum offers a 2019 course- outcome-based education pattern. A resolution about the ABC is approved by the Academic Council. Presently, institute is officially registered in the ABC portal and started implementing the Academic Bank of Credits for the students.

3. Skill Development

The institute's vision is to promote quality, value-based education. The institution's pedagogy is student-centered, and the pedagogies of the faculties are constructivist, inquiry-based, reflective, collaborative, and integrative. The student's learning outcome is evaluated using summative and formative assignments and assessments. As a result, initiatives are always made to inspire learners to be optimistic. The institute also celebrates national festivals such as Republic Day and Independence Day. Organizing and participating in events that encourage students to cultivate good qualities, such as Yoga Day, and Environment Day, and also observing the death and birth anniversary of our national leaders. To give students, the opportunity to consider potential career paths after completion of their college education, the institution still employs the approach of mentoring students.

4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

One of the institute's objectives is to preserve and promote Indian languages. The institute celebrates days like "Marathi Bhasha Din" and "Hindi Diwas" in honor of the adoption of Indian languages. In future, institute will adopt regional language for Engineering and Management education after implementation initiatives from affiliated university.

5. Focus on Outcome based education (OBE)

The Institute also works to encourage students to acquire a positive attitude and other qualities that will help them lead good careers, as well as the awareness that learning is a lifelong process. All of the programs offer outcomes-based education that was crafted with both local and global requirements in mind. All courses are designed with outcomes centered on cognitive abilities namely Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating. The Course Objectives (COs) are also aligned with the PO-PSO philosophy. To implement the spirit of NEP, every course content has been prepared with due regard for macroeconomic and societal needs at large. Learning outcomes at all levels guarantee social responsiveness, ethics, and entrepreneurial abilities in addition to domain-specific skills. It has helped students in contributing proactively to society's economic, environmental, and social well-being.

6. Distance education/online education

The Covid -19 pandemic has spurred the institute to adopt digital platforms for engaging classes, and holding conferences, and meetings. Some of the institutional efforts toward blended learning have included the use of videos as teaching and learning aids, assignments and revision, for continuous evaluations. The faculties used technology platforms such as Google Classroom, Zoom, Google-meet, and Microsoft Teams. IIT Bombay's Virtual Lab has enabled interaction on practical subjects between teachers and students from different geographical locations through online education. By combining online and offline resources, the institute has also paved the path for the adoption of a hybrid model of education. This might be viewed as the new norm that is also anticipated in the New Education Policy. At NBNSTIC, students and faculties are encouraged to participate in IIT Spoken tutorial, NPTEL etc. courses.

**1. NAAC accreditation to be a ‘participatory process’ for educational institutions- Pune News
Published on Sep 19, 2022.**

“While carrying out the accreditation process for colleges, our entire focus is on numbers, quantity and input; for example, how many library books does the college have? This system needs to be changed and we have already started taking important steps in this direction as the purpose is to evaluate the quality of education.”



Dr. Bhushan Patwardhan, Chairman, Executive Committee, NAAC, addressed Principals of various colleges at Savitribai Phule Pune University

A programme on ‘NAAC evaluation – Concepts and Methodology’ was jointly organized by the Internal Quality Assurance Cell of Savitribai Phule Pune University (SPPU) and Karve Institute of Social Service on Sep 19, 2022. Along with Dr. Patwardhan, Dr. K P Mohanan from IISER, Pune was the chief guest at the programme.





SPPU Vice-Chancellor, Prof. Karbhari Kale; Pro Vice-Chancellor Prof. Sanjeev Sonawane and other dignitaries were also present along with representatives of several colleges affiliated to SPPU. From our institute Prof. Rahul Samant, Head of Information Technology and Prof. Vijaykumar Kagade, Assistant Professor, Mechanical Engineering have attended the session.

2. **Dr. Shivprasad P. Patil, Principal/ Director has attended the “Inauguration and Distribution Ceremony on Engineering Books written in regional language” on 14-11-2022 at Mumbai University, Kalina Campus.**





महाराष्ट्र शासन



तंत्रशिक्षण संचालनालय, महाराष्ट्र राज्य

३, महापालिका मार्ग, पत्र पेटी क्र. १९६७, मुंबई ४०० ००९.

दूरध्वनी क्र. ०२२-६८५९७४९०/४६५/४९२

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स्वतंत्रताचा अमृत महोत्सव

क्रमांक: तंत्रशिक्षण/१०/पुस्तक वितरण/२०२२/ ९३१

दिनांक: ०७.११.२०२२

प्रति,

प्राचार्य,

अभियांत्रिकी पदवी संस्था,

सोवत जोडण्यात आलेल्या यादीमधील संस्था (एकूण ८७)

विषय: मराठी भाषेमध्ये विकसित केलेल्या अभियांत्रिकी अभ्यासक्रमांच्या पाठ्यपुस्तकांचे वितरण सोहळ्यासाठी प्रत्यक्ष उपस्थित राहण्याबाबत

दि. १४/११/२०२२ मुंबई विद्यापीठ, कलिना कॅम्पस येथे सकाळी ०९.०० ते सायं. ०५.०० वाजेपर्यंत

नवीन शैक्षणिक धोरणाच्या पाश्चिमात्य, देशातील विद्यार्थ्यांना इंजिनीयरीतिरिक्त प्रादेशिक भाषेमध्येही अभियांत्रिकीचे शिक्षण घेता यावे यासाठी अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली (एआयसीटीई) द्वारे प्रादेशिक भाषेत अभ्यासक्रम सुरु करण्यासाठी संस्थांना परवानगी देण्यात येत आहे. त्याअनुषंगाने अभियांत्रिकी अभ्यासक्रमांच्या पुस्तकांचे प्रादेशिक भाषांमध्ये अनुवाद करण्याचा एआयसीटीईने निर्णय घेतलेला आहे. मराठी भाषेमधील प्रथम वर्षाची अभियांत्रिकी पदवी अभ्यासक्रमाची ०९ व पदविका अभ्यासक्रमांची ११ अशा एकूण २० पुस्तकांची निर्मिती एआयसीटीईकडून करण्यात आलेली आहे.

तंत्रशिक्षण संचालनालय, महाराष्ट्र राज्य, मुंबई आणि अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली यांच्या संयुक्त विद्यमाने मराठी भाषेमधील शैक्षणिक पाठ्यपुस्तकांचे वितरण सोहळ्याचा कार्यक्रम दि. १४/११/२०२२ रोजी ग्रीन टेक्नोलॉजी हॉल, मुंबई विद्यापीठ, विद्यानगरी, कलिना कॅम्पस, सांताक्रुझ पूर्व, मुंबई-४०००९८ येथे आयोजित केलेला आहे. सदर कार्यक्रमास मा. केंद्रीय मंत्री, शिक्षण मंत्रालय तसेच कौशल्य विकास आणि उद्योजकता मंत्रालय, भारत सरकार, मा. उपमुख्यमंत्री, महाराष्ट्र राज्य यांना निमंत्रित करण्यात आलेले आहे. तसेच श्री. चंद्रकांतदादा पाटील, मा. मंत्री, उच्च व तंत्रशिक्षण विभाग, महाराष्ट्र राज्य, आणि प्रा. जगदेश कुमार अध्यक्ष, विद्यापीठ अनुदान आयोग तथा अध्यक्ष, अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली तसेच प्रा. के. के. अग्रवाल, अध्यक्ष, नॅशनल बोर्ड ऑफ अ‍ॅक्रीडीटेशन, नवी दिल्ली हे उपस्थित राहणार आहेत. त्याचबरोबर या कार्यक्रमास मा. प्रधान सचिव, उच्च व तंत्रशिक्षण विभाग, महाराष्ट्र शासन हे देखील उपस्थित राहणार आहेत.

अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली यांचेकडून नवीन शैक्षणिक धोरणास अनुसरून प्रादेशिक भाषेमध्ये अभ्यासक्रम राबविण्यास इच्छुक संस्थांना मान्यता देण्याची तरतूद करण्यात आलेली आहे व काही संस्थांना मराठी भाषेमध्ये अभ्यासक्रम राबविण्यासाठी मान्यतासुध्दा देण्यात आलेली आहे. एआयसीटीईच्या सदर तरतूदीनुसार आपल्या संस्थेतही भविष्यात मराठी भाषेमध्ये अभ्यासक्रम राबविणे शक्य होवू शकते. त्यासाठी मराठी भाषेमधील अभियांत्रिकी पदवी अभ्यासक्रमाच्या एआयसीटीईकडून निर्मिती करण्यात आलेल्या ०९ पुस्तकांचा संच आपल्या संस्थेसाठी उपयुक्त ठरणार आहे. सदर कार्यक्रमात एआयसीटीईकडून निर्मिती करण्यात आलेल्या मराठी भाषेतील ०९ पुस्तकांचा संच आपणास देण्यात येणार आहे. त्यामुळे सदरच्या कार्यक्रमास आपण स्वतः दिनांक १४.११.२०२२ रोजी सकाळी ९.३० वाजता कार्यक्रमाच्या नियोजित स्थळी उपस्थित रहावे.

तसेच पाठ्यपुस्तक वितरणाच्या सोहळ्याच्या कार्यक्रमानंतर दुपारच्या सत्रामध्ये तंत्रशिक्षणाच्या गुणवत्तावाढीच्या अनुषंगाने संचालनालयाद्वारे विविध विषयांवर तज्ञांचे व्याख्यान आयोजित करण्यात आले आहे. सदरच्या सत्रामध्ये सुध्दा आपण स्वतः उपस्थित रहावे.

(डॉ. अभय बाघ)

संचालक, तंत्रशिक्षण संचालनालय

महाराष्ट्र राज्य, मुंबई

सोवत : प्रपत्र-अ निमंत्रित संस्थांची यादी.

प्रत: १. विभागीय अधिकारी, पश्चिम विभाग, अखिल भारतीय तंत्रशिक्षण परिषद, NITIE कॅम्पस, पवई, मुंबई-४०००८७.

२. संचालक, फ्रॅकल्टी डेव्हलपमेंट सेल, अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली-११००७०.

३. सहसंचालक तंत्रशिक्षण विभागीय कार्यालय, अमरावती, औरंगाबाद, मुंबई, नागपुर, नाशिक व पुणे यांना कळविण्यात येते की, आपल्या

विभागातील संबंधित संस्थांना कार्यक्रमाबाबत आपल्या स्तरावरून देखील कळविण्यात यावे व संबंधित संस्थांचे प्राचार्य स्वतः सदर कार्यक्रमास उपस्थित राहतील, याची खात्री करावी.

संचालनालयाचे पत्र क्रमांक:तंशिस/१०/पुस्तक वितरण/२०२२/९३१, दिनांक : ०७/११/२०२२ सोबतचे

प्रपत्र-अ

मराठी भाषेमध्ये विकसित केलेल्या अभियांत्रिकी अभ्यासक्रमांच्या पाठ्यपुस्तकांचे वितरण सोहळ्यासाठी दि.

१४/११/२०२२ रोजी प्रत्यक्ष उपस्थित राहण्यासाठी निमंत्रित संस्थांची यादी

पदवी अभियांत्रिकी संस्था

59	Nashik	5151 - MET Bhujbal Knowledge City MET League's Engineering College, Adgaon, Nashik.
60	Nashik	5160 - Sanjivani Rural Education Society's Sanjivani College of Engineering, Kopargaon
61	Nashik	5162 - Amrutvahini Sheti & Shikshan Vikas Sanstha's Amrutvahini College of Engineering, Sangamner
62	Nashik	5418 - Guru Gobind Singh College of Engineering & Research Centre, Nashik.

६. पुणे विभाग

SN	Region	Institute Name
63	Pune	6004 - Government College of Engineering & Research, Avasari Khurd
64	Pune	6005 - Government College of Engineering, Karad
65	Pune	6006 - COEP Technological University
66	Pune	6007 - Walchand College of Engineering, Sangli
67	Pune	6138 - Genba Sopanrao Moze Trust Parvatibai Genba Moze College of Engineering, Wagholi, Pune
68	Pune	6139 - Progressive Education Society's Modern College of Engineering, Pune
69	Pune	6144 - Genba Sopanrao Moze College of Engineering, Baner-Balewadi, Pune
70	Pune	6155 - G.H.Raisoni College of Engineering & Management, Wagholi, Pune
71	Pune	6156 - Marathwada Mitra Mandal's College of Engineering, Karvenagar, Pune
72	Pune	6175 - Pimpri Chinchwad Education Trust, Pimpri Chinchwad College of Engineering, Pune
73	Pune	6207 - Dr. D. Y. Patil Unitech Society's Dr. D. Y. Patil Institute of Technology, Pimpri, Pune
74	Pune	6214 - K. E. Society's Rajarambapu Institute of Technology, Walwa, Sangli
75	Pune	6220 - Shri Vithal Education and Research Institute's College of Engineering, Pandharpur
76	Pune	6265 - Walchand Institute of Technology, Solapur
77	Pune	6267 - Kolhapur Institute of Technology's College of Engineering(Autonomous), Kolhapur
78	Pune	6271 - Pune Institute of Computer Technology, Dhankavdi, Pune
79	Pune	6273 - Bansilal Ramnath Agarawal Charitable Trust's Vishwakarma Institute of Technology, Bibwewadi, Pune
80	Pune	6274 - Pune Vidyarthi Griha's College of Engineering and Technology and G K Pate(Wani) Institute of Management, Pune
81	Pune	6282 - All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune
82	Pune	6289 - B.R.A.C.T's Vishwakarma Institute of Information Technology, Kondhwa (Bk.), Pune
83	Pune	6317 - Sharad Institute of Technology College of Engineering, Yadrav(Ichalkaranji)
84	Pune	6545 - Samarth Education Trust's Arvind Gavali College Of Engineering Panwalewadi, Varye, Satara.
85	Pune	6759 - Shree Ramchandra College of Engineering, Lonikand, Pune
86	Pune	6772 - NBN Sinhgad Technical Institutes Campus, Pune
87	Pune	6822 - Pimpri Chinchwad Education Trust's Pimpri Chinchwad College Of Engineering And Research, Ravet

3. Dr. Makarand M. Jadhav, Prof. and Head-Department of Electronics & Telecommunication Engineering, NBN Singhad Technical Institutes Campus was invited as Keynote Speaker at **“International Conference of Interdisciplinary Education in Context of NEP-2020 Implementation” held on Jan 6, 2023**. He delivered a session on Intelligent Approaches for modern holistic and multidisciplinary education. Click the below link to view this event on NBNSTIC’s social media page:

https://m.facebook.com/story.php?story_fbid=pfbid02hL2tqxAo9UXxhdVURK2PXLTAxUdgyehN XSeQTKrbrf5TT2CfJB8dNtwxRpUKG1osl&id=100046179570947&sfnsn=wiwspmo&mibextid=R UbZ1f





International Conference on

'Importance of Interdisciplinary Education in context of NEP-2020 Implementation'

Date: 6th January 2023

Our Prominent Speakers

 <p>Dr. Mamta R. Agarwal Advisor -1 AICTE, New Delhi</p>	 <p>Prof. A.R. Garg Prof. & Head of Department Electrical Engineering MBM University, Jodhpur</p>	 <p>Prof. D.P. Kothari Distinguished Professor Former VC, VIT Vellore and Former Director I/C IIT Delhi</p>	 <p>Prof. Vijay Kulkarni Former Professor and Dean Faculty of Arts and Social Sciences, Bharati Vidyapeeth Deemed University, Pune</p>
 <p>Prof. Amit Goswami Distinguished Professor University of Oregon Eugene, Oregon USA</p>	 <p>Prof. G. Sri Krishna Former Prof., National Institute for the Empowerment of Persons with Intellectual Disabilities, Secunderabad</p>	 <p>Dr. Valentina Onisor MD (Medicine) Professor, Quantum Integrative Medicine Brasil</p>	 <p>Prof. M.M. Jadhav Professor and Head, E&Tc NBN Singhad Technical Institutes Campus and Vice-Chairman IEEE ComSoc, Pune</p>

Names are in the sequence of their addresses.

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