

National Webinar
on
**National Education Policy (NEP-2020) – A Roadmap for its
Implementation in NITs**

Conducted on Saturday, 26 September 2020, from 11:00AM - 5:30PM

Recommendations & Outcomes



Webinar on National Education Policy NEP-2020- A Roadmap for its Implementation in NITs was organized by NIT Hamirpur HP conducted on 26th September 2020. Prof. Chandra Shakher, Hon'ble Chairman BOG NITH cum Prof. Emeritus IIT Delhi was the Esteemed Chief Guest. Prof. Lalit K. Awasthi, Director NIT Hamirpur was the Guest of Honour. Twelve learned Directors from various prestigious NITs of the country were invited as Experts for the National Online Event. The experts provided various insightful views on NEP-2020. This document summarizes the main recommendations and outcomes of the Webinar for the benefit of the teaching fraternity and the students.

Prof. Chandra Shakher, Hon'ble Chairman BOG NIT Hamirpur, enlightened the delegates that technical education should benefit the masses particularly in rural areas of India. He motivated faculty and students to carry out quality research work based on practical problems. He emphasized the importance of viable Research & Industrial Projects to be taken up by NITs, for synergic interaction between the academia and industry for quality technical education. He encouraged faculty to utilize the funding opportunities provided by DST for quality research projects. Work beyond office hours, teach and make students work in laboratories and try to implement cutting edge technology by working in multi-disciplinary areas at UG level itself for implementing NEP-2020. He encouraged value education which imbibes confidence in students. He also pointed out that the grades and CGPI scored by the students should reflect their true caliber.

Prof. Lalit Kumar Awasthi, Director, NIT Hamirpur HP cum NIT Jalandhar, spoke on holistic and multidisciplinary education system. NEP-2020 strives to re-establish India as 'Vishwa Guru' in education. Knowledge of '64 Kalas or Arts' shall once again shall be taken up to makes 21st century education holistic including soft skills, mathematical and vocational subjects, and also strengthening humanities, languages, applied science, management, law and arts departments. Students of Arts & Humanities will get opportunities to learn more Science. Digital and online classes, distance learning mode along with multiple-entry and-exit system shall be vital in making education versatile for all stakeholders. Flexible masters programmes and Major & Minor degree programs in UG level shall provide excellent opportunities for the graduands in placements. Incubation centres in NITs shall cater to start-ups for a vibrant research atmosphere and need to be established in the interest of teaching fraternity and students.

Prof. Rajeev Tripathi, Director, MNNIT Allahabad, discussed about quality universities and colleges: a new and forward-looking vision for India's higher education system. Multi-disciplinary courses development is an anchor node for making education vibrant, interesting and relevant in modern context. Supporting this requires departments and courses catering to IPRs, taxes, law, ethics, moral values, economics, political science and other important specializations. Teacher has to be a role model to make the education system excellent and foster original thought process and research culture.

Prof. Karunesh K. Shukla, Director, NIT Jamshedpur, provided insight in institutional restructuring and consolidation. Further, he detailed the following points regarding implementation of NEP-2020, NITs should design more flexible course curriculum. Students should be encouraged to take course from other disciplines. There should be clear understanding in NITs so that students of any NIT can opt online course being offered by other NIT with credit transfer facility. In long-run, there is a need to convert NITs into multidisciplinary institutions by way of offering programmes in Medical Engineering, Social and Community Engineering, Forensic Engineering etc. More online programme/ certificate courses to be offered. Undergraduate students to be encouraged for learning by doing and inculcate habit of innovation and research.

Prof. Rajat Gupta, Director, NIT Mizoram, spoke on optimal learning environments and support for students under NEP-2020. NITs being autonomous, implementation of NEP shall be through Senates for student support and funding. It is important to test the application of knowledge, as it is outcome based education system. Cooperation & collaboration amongst NITs is essential, to overcome shortage of faculty and by sharing resources manpower & labs. NEP-2020 has

opened up this opportunity through online mode. Faculty must be the centre of reforms, to take ahead the education challenges.

Prof. Shyam Lal Soni, Director, NIT Uttarakhand, discussed about motivated, energized and capable faculty. Supporting teacher preparation and professional development for pandemic and teaching. Digitalized pedagogy, virtual labs, enhancing educational access. Aatmnirbharta is the key to research and innovation to support local community and further make India lead globally through education system.

Prof. Pradip K. Jain, Director, NIT Patna, elaborated on equity and inclusion in higher education. Gender based gap, 'especially abled students' need to be balanced, financial support to social under-privileged shall help leave no one behind. More time needs to be provided for research, creative and critical thinking to students. High quality research work is the need to uplift society and for societal benefits. India always has education at the centre of its agenda. Inclusive environment is essential, imbuing respect, human values, tolerance; students empowered and respect diversity and sustainable development. Students have to become thought leaders, by sharing of the responsibility by faculty, staff, students- all need to be committed. NITs have to collaborate with campus partners, develop a sense of belonging in engineering spaces.

Prof. H. K. Sharma, Director, NIT Agartala, highlighted on re-imagining vocational education. An output based vocational training and education, suitable for an individual and the society. Multi-exit education system, with certificate, diploma, degree, needs a revised curriculum and syllabus. It should be suitable to the industry requirements. Placement aspects have to be looked into regarding our courses. We excel in IT, design, as students have access and exposure to ICT and softwares.

Prof. Rakesh Sehgal, Director, NIT Srinagar (J&K), elaborated online and digital education. NITs should make suitable amendments in the academic regulations at UG and PG level to enforce 20-25% credit earning by the students through online platforms. The issues such as relevance of these courses, registration fee and examination fee for such courses have to be deliberated in Senate for its proper implementation. In view of the increased significance of Coding due to the online mode of most of the services, students at UG level have to be encouraged to credit at least one application coding language through an online platform irrespective of their branch of study. While framing UG curriculum, due weightage must be given to courses related to cyber security so as to create cyber security experts in different areas of Education, Banking, Defense, Aviation industry. A national common pool of online resources

such as Journals, E-Books and learning resources needs to be created by MOE for all NITs. This will need discussion at NIT Council level.

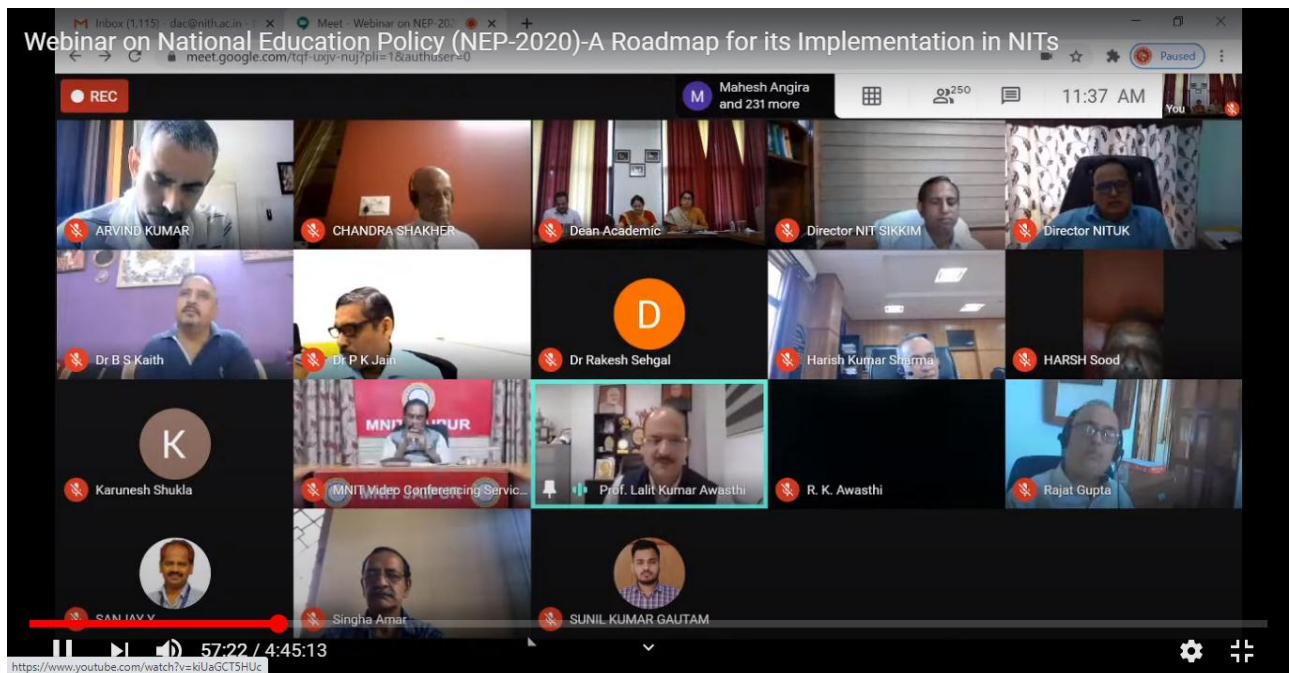
Prof. N.V. Ramana Rao, Director, NIT Warangal, provided insight into transforming the regulatory system of higher education, particularly the research perspectives. NITs have to expand research and innovation, skill development, IPRs, start-up policy. NITs have to become research intensive institutes by industry collaborations, establishment of centres of excellence. Encourage faculty and student research which should focus on customer needs, strengthen the infrastructure of labs. Allow student internships and credit transfer mechanism to students. Organize student events based on societal problems. Enable online teaching by foreign faculty and utilization of Govt. funding schemes to tap best experts.

Prof. U. R Yaragatty, Director MNIT Jaipur, spoke on effective governance and leadership for higher education institutions. Branding the NITs, as research and teaching institutes. Students, researchers, faculty, staff all have to work for excellence of any technical institute. Positive attitude and sense of belongingness my institute has to be strong. Wherever we work with synergy there is energy. Students of NITs have to work for the country. All facilities and rules and regulations are there, good leadership i.e. BOG, Director, Deans, Coordinators & faculties make a difference in good governance. He emphasized the contributions of great Indian gurus and scientists like Aryabhatta, Rishi Agastya, Rishi Bharadwaj. Re-establishment comes with good governance to make our NITs superior institutes. Accountability of each one who is a part and parcel of the Institute has to be high, for good governance, to make an excellent technical institute.

Prof. Mahesh C. Govil, Director NIT Sikkim, discussed catalyzing quality academic research in all fields through a new national research foundation. Knowledge creation, quality education and research need to be addressed in true spirit. Training and research exposure to faculty and tie-up with research organizations is required. Continuous research effort has to be made. Identification of talent in the institute and clustering of NITs for collaborative cutting edge and high end research problems need to be initiated.

More than 700 participants- faculty and students from all over India participated and witnessed the event through Google meet and YouTube and got enlightened about NEP-2020 for Higher Education and the strategies suggested by experts for its Implementation in NITs. The NEP-2020 Webinar YouTube link for live streaming held on 26th September 2020 may be viewed at:

<https://www.youtube.com/watch?v=m9M4t1jL7Bc&feature=youtu.be>



Prof. Chandra Shakher, Hon'ble Chairman BOG NIT Hamirpur, Prof. Lalit Kumar Awasthi, Director NIT Hamirpur and the Directors of Ten other NITs as Experts-Panelists for the Webinar on NEP-2020 with 250 participants on Google meet.



Prof. Chandra Shakher, Hon'ble Chairman BOG NIT Hamirpur sharing his expertise and providing concluding remarks to the NEP-2020 Webinar panelists and the delegates.



Prof. Lalit Kumar Awasthi, Director NIT Hamirpur HP, addressing the Experts, Delegates and Participants of the Webinar on NEP-2020

Webinar Organizing Team, NIT Hamirpur HP:

Patron: Prof. Chandra Shakher, Hon'ble Chairman BOG NIT Hamirpur HP

Chairman: Prof. Lalit Kumar Awasthi, Director, NIT Hamirpur HP

Coordinators: Prof. Rajeevan Chandel (Dean Academic), Dr. Yogesh Gupta (Registrar) & Dr. Pamita Aswathi (Asso. Professor)

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