



GREATER NOIDA | MATHURA



National Conclave on

Reforms in Indian Education System through NEP-2020

At

**GL Bajaj Institute
of Technology & Management,
Greater Noida, UP**

16th to 18th December, 2021



Jointly organized with:



Madan Mohan Malaviya University
Of Technology, Gorakhpur



National Institute of Technical Teachers'
Training and Research, Kolkata



Cambridge Institute of Technology
Bengaluru

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Day-1

16th Dec 2021, 10.30AM to 2.00PM

Inaugural Session & Key Note

On Thursday, a 3-day conclave on “Reforms in Indian Education System through NEP-2020” opened at G L Bajaj Institute of Technology & Management, Greater Noida.

The conclave brings together leading academicians, scientists, researchers and research scholars, faculty members, members from administration and enthusiastic citizens to exchange and share their expectations, expertise and experiences addressing various avenues in NEP 2020. The conclave had jointly organized with Madan Mohan Malviya University of Technology, Gorakhpur; National Institute of Technical Teachers’ Training & Research, Kolkata and Cambridge Institute of Technology, Bangalore.



Prof. D.S Chauhan, former vice chancellor of Dr. A.P.J. Abdul Kalam Technical University, Lucknow was the chief guest at the inaugural event of the national conclave. The Vice Chairman of GLBITM, Pankaj Agarwal, welcoming all the notable dignitaries and other participants at the conclave, said, “I’m happy that this conclave provides a chance to the academicians & practitioners to present and discuss their insights on how NEP will change the education scenario in our country.”



In his address, the chief guest Prof. D.S Chauhan talked about the need for the present generation to gain practical experience more than the bookish education, stating, “practical experience leads to more skillful students.”



The National coordinator of documentation & the administrator of the E-library of BJP, Dr. Aseernatham Achary was also there at the inaugural day of the conclave, highlighting the importance of NEP-2020 in the contemporary India. In his Speech, Dr. Achary praised the inclusive participation of every stakeholder in making of NEP 2020. Dr. Achary said, “Narendra Modi brought the National education policy to the door step of every Indian, uploading it on the government site where 2 million people gave their opinions in regard to the alteration of the education policy.”



Dr. Achary Emphasizing the necessity of NEP 2020, Dr. Achary said, “Education should have the capacity to meet the demands of 21st century which the NEP is equipped with.” Furthermore, he said, NEP will have two streams, academic oriented and research oriented and the focus will be on research as India spend only .64 % of GDP on research.



Prof. N.C Shivaprakash, IISC, Bangalore, threw light on the salient and vast features of NEP. He mentioned, “Self-reliance, sustainability, digitalization, internalization, timeline, challenges, research & Innovation” as the salient features of NEP. Furthermore, he emphasized on research, stating “teaching alone won’t take us anywhere, we need to focus on research; good research will lead to good teaching & vice versa.”



After this, member of UGC, Prof. Sushma Yadav spoke about the specialty of the policy, stating, “This policy aims at improving human qualities; qualities which establish a good society & nation as well as character betterment,”. Other than this, she said, “this policy aims for nation building and nation values in such a way that every student strives for betterment of our country, feeling the national sentiment.”. The objective of the policy is to free students from academic pressure so that they can opt for what they feel is best for them, said the former VC-BPSMV

Prof N V Ramana Rao, Director, NIT Warangal expressed his views by sharing very informative slides. He emphasized that education is ongoing process of transformation of participant: student, learners and researchers. He threw light on Indian education system and the key parameters of this new education policy comprising of the learners, the environments, contents, processes and outcomes. Further, he discussed the various challenges to improve quality education. Accreditation is a peer-review process to ensure quality of education. He emphasized that every faculty must visit to industry and society to upskill themselves.



Finally, the session was concluded with formal thanks giving process and Dr. Shashank Awasthi, Dean (Strategy), G. L. Bajaj Institute of Technology and Management, Greater Noida, gave the vote of thanks.





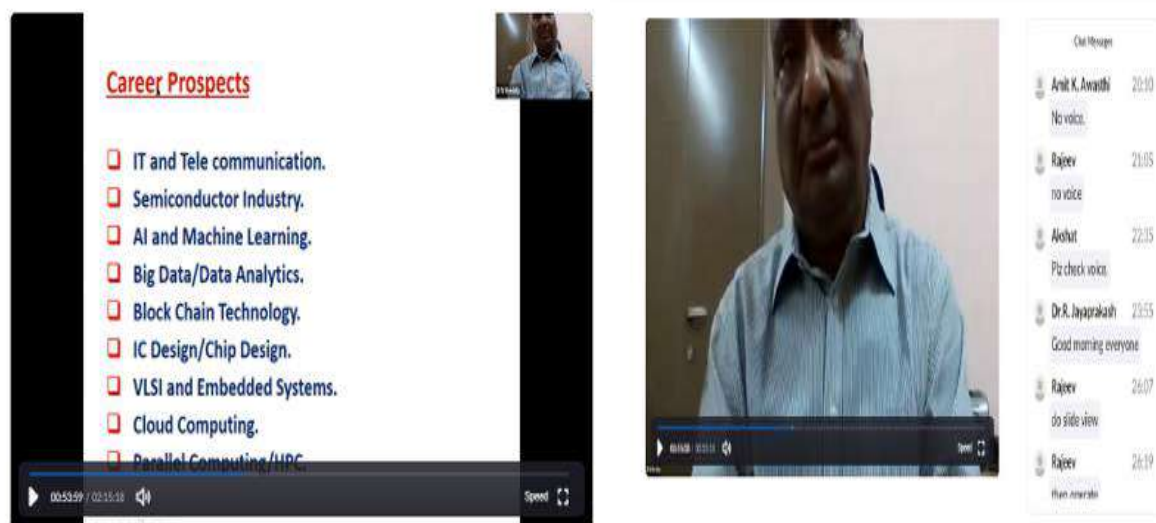
Day-2

17th Dec 2021, 11.00AM to 01.00PM

Expert Talk

The conclave is meant for gaining knowledge related to our new education policy with several expert talks and panel discussion. There is an exchange of ideas and views from various academic and industry experts. On day second, morning session has three expert talks and the eminent dignitaries are Prof. D.N. Reddy (Former Vice Chancellor, JNTU, Hyderabad), Dr. Om Prakash Singh (Associate Professor, Mechanical Department, IIT, BHU, Varanasi) and Prof. Kripa Shankar (Former Professor, IIT Kanpur). The timings of the session were 11:00 a.m. to 12:30 p.m. and the session was conducted on E-platform.

The session has started with the expert talk of Prof. D.N. Reddy (Former Vice Chancellor, JNTU, Hyderabad). His topic of expert lecture was **“Equity Inclusion and Effect of National Education Policy on Youth Empowerment”**. The talk is about new education policy associated with flexibility of curriculum designing, promoting research culture, multidisciplinary education, strategic planning, global networking, e-content and resource based learning. He emphasized on faculty development with innovation and creativity, the importance of online & digital education with new platforms like AI, IOT, machine learning, big data and many more. Also he talks about project based learning for students based on critical thinking, high quality presentations and career opportunities based on industry & enterprise expectations. Dr. Reddy has concluded his session by throwing lights on system skills, MOOC’s courses and career platforms in the field of IT, AI, VLSI and Embedded System and Parallel IC Designing.



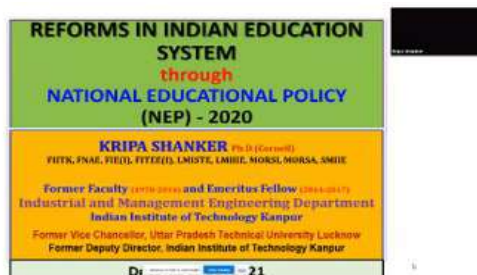
The next session is of Dr. Om Prakash Singh (Associate Professor, Mechanical Department, IIT, BHU, Varanasi). The topic of his expert talk was **“Innovation and Leadership: Thinking Out of the Box”**. The opening of the lecture is very well connected with the spiritual aspect

of our culture related to the idea of innovation and creativity. He talks about the kind of ecosystem development in institutes so that creativity thrives in. His lecture emphasized to opt modern techniques, modern courses, industry exposure and multidisciplinary nature. He has shown (through a short video) a very good example of leadership given by Late Dr. APJ Abdul Kalam that thinking of our nation should be “I Can Do It, We Can Do It and India Can Do It”. His concluding remarks are to set faculty goals, collaboration of different industry /academic systems, adoption of digital management and exposure of students and faculty members to higher technologies as he believes technology changes with time so better to adapt or innovate with time.



The final talk of the session is given by Prof. Kripa Shankar (Former Professor, IIT Kanpur). He elaborated about new education policy. His major focus is on prior education policy used in India, then the reformation of policies done, goals and elements of the system and how the education system is affected by external factors. He talked about the evolution of education policies, process of amendment and reformation. The lecture also tells that elements of the system are knowledge transmission, creation and its application. The SWOT analysis of the education system is very well defined in the lecture. Finally, he summarizes his lecture with multidisciplinary education system.

Finally the session was concluded with formal thanks giving process and the vote of thanks was given by Dr. Mahaveer Singh Naruka, Head (Outreach), G. L. Bajaj Institute of Technology and Management, Greater Noida.



Day-2	17 th Dec 2021, 02.00PM to 04.00PM	Panel Discussion: Holistic & Multidisciplinary Education
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A panel discussion on the theme "Holistic and Multidisciplinary Education" was held on 17th December 2021 from 2:00PM to 4:00PM, in online mode at G.L. Bajaj Institute of Technology and Management, Greater Noida.

This panel discussion was part of the 3-day National Conclave on "Reforms in Indian Education System Through NEP-2020" hosted by G.L. Bajaj Institute of Technology and Management, Greater Noida in collaboration with Madan Mohan Malviya University of Technology, Gorakhpur; National Institute of Technical Teachers Training & Research, Kolkata and Cambridge Institute of Technology, Bangalore.

The panel consist of many eminent personalities namely Prof. Gopalkrishna Joshi, Executive Director and member secretary at Karnataka State Higher Education Council, Govt. of Karnataka, Prof. S.P. Malhotra, Director, Educational Technology Management Academy, Gurugram Haryana, Prof. Y.N. Singh, Professor (HAG), Electrical Engineering Department, IIT, Kanpur and Professor Madan Mohan Chaturvedi, Department of Zoology, University of Delhi, Delhi. Experts directly linked to several domain of NEP 2020, academia, and industry professionals joined the session.

The event is moderated by Dr. Yogesh Velankar, Principal, Cambridge Institute of Technology, Bengaluru. Firstly, every speaker shared his opening remark for the theme for 10 minutes. Then, Moderator asked series of questions for one panelist or it can be open question that anyone can answer.

Prof. Gopalkrishna Joshi, Executive Director and member secretary at Karnataka State Higher Education Council, Govt. of Karnataka was the first panelist who gave his opening remarks. He advocates the multidisciplinary approach. He shared that to approach it the solution should be technically feasible, financially viable, environmentally sustainable and socially acceptable. He discussed about one multidisciplinary course he floats in his institute. He suggested for understanding of problems and to find its solution in today's complex world, we require multidisciplinary approach. He emphasized that to implement this the best pedagogies are PBL and service learning.



Prof. S.P. Malhotra, Director, Educational Technology Management Academy, Gurugram Haryana shared that education and its all streams are itself in holistic in nature and it cannot be fragmented. He discussed about the shift to high-quality holistic and multidisciplinary education that will be aided by large multidisciplinary institutions and colleges. He suggested that HEIs' flexible and innovative curriculum must incorporate credit-based courses and projects in order to achieve holistic and multidisciplinary education. He discussed about 64 Kalaas and supported assessments of undergraduate education approaches that blend the humanities and arts with STEM. He concluded his speech by saying that there is a need to go from one field to another and we need multidisciplinary approach for linkage of knowledge sector to employment sector.



Prof. Y.N. Singh sir, Professor (HAG), Electrical Engineering Department, IIT Kanpur shared his personal experiences with the participants. He underlined the importance self- learning and skill development. He discussed that learning is not dependant on teacher only but it also depends on environment/ surroundings. He emphasized that you should be curious to ask questions then you can grow.



Professor Madan Mohan Chaturvedi, Department of Zoology, University of Delhi, Delhi Starts his discussion by quoted that holistic approach is essence of NEP-2020. He emphasized that our curriculum should be more learner centric instead of teacher centric. Students should learn and find his identity from education to choose right path. He stated that our current education system is completely disconnected from society and totally, degree centric but it should be learner centric to understand the problem of society and role of teacher should be minimal here. He mentioned that teaching should be transdisciplinary, which is inclusive education, and we need holistic education for learning development. He emphasized that we should develop an ecosystem for holistic development. He concluded his discussion by saying “Dissolving boundaries evolving senses should be moto of institution”.



After the opening remarks by each panellist, moderator ask some questions to each panellist, which was enthusiastically and actively answered by the panelist. Prof. Joshi shared some success stories of their students of imaginative and flexible curriculum. Prof. Malhotra and Prof. Singh reflected on the concept of Teaching lead Research University and Research lead Teaching University. Professor Chaturvedi shared some experiences he had with his students so that we can more become learner centric and to overcome the challenges we faced while transdisciplinary.

Moderator ask the questions shared by participants also which are well answered by all the panelists. Participants shared their feedback on the link provided. Moderator of the session Dr. Yogesh Velankar finally concluded the discussion followed by thanking all the guests. On behalf of G.L. Bajaj Institute of Technology and Management, Greater Noida Ms. Priyanka Datta, Assistant Professor, EEE Department thanked the eminent panelists.



Day-3	18 th Dec 2021, 11.00AM to 01.00PM	Panel Discussion: Quality Education, Accreditation and Teacher Development
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A panel discussion on the agenda “**Quality Education, Accreditation and Teacher Development**” was held on 18th December 2021, hosted by G.L. Bajaj Institute of Technology and Management, Greater Noida.

The eminent panelists included Prof. P.M. Khodke (Former Central Project Advisor, NPIU, Ministry of Education, Govt of India), Prof. D.N. Sonawane (HOD, Department of Instrumentation and Control, College of Engineering, Pune), Prof. Krishan K. Sharma (Former Vice Chancellor, Maharshi Dayanand Saraswati University, Ajmer) and Col B. Venkat (Director, Faculty Development Cell, AICTE).

The session saw the participation of a number of experts directly associated with various avenues of NEP 2020, academicians and industry professionals. The session was moderated by Prof. Binod Kumar Tripathi, Director of the Inter University Centre for Teacher Education, (IUCTE), BHU, Varanasi.

The first panelist to express his views was **Prof. P.M. Khodke (Former Central Project Advisor, National Project Implementation Unit, Ministry of Education, Govt of India)**. He expressed that Quality education is not a destination, but a journey and there are two important stakeholders determining the quality, one is faculty and other is students. He emphasized on the need to develop a Technical Education System in the country, which would produce skilled man-power in adequate numbers and of highest quality comparable to the very best in the world. He discussed various innovative ideas and strategies for implementation of NEP at institute level. He encouraged institutions of excellence to implement faculty career management program and organize annual technology innovation forums to enable students to share their innovations and talent.



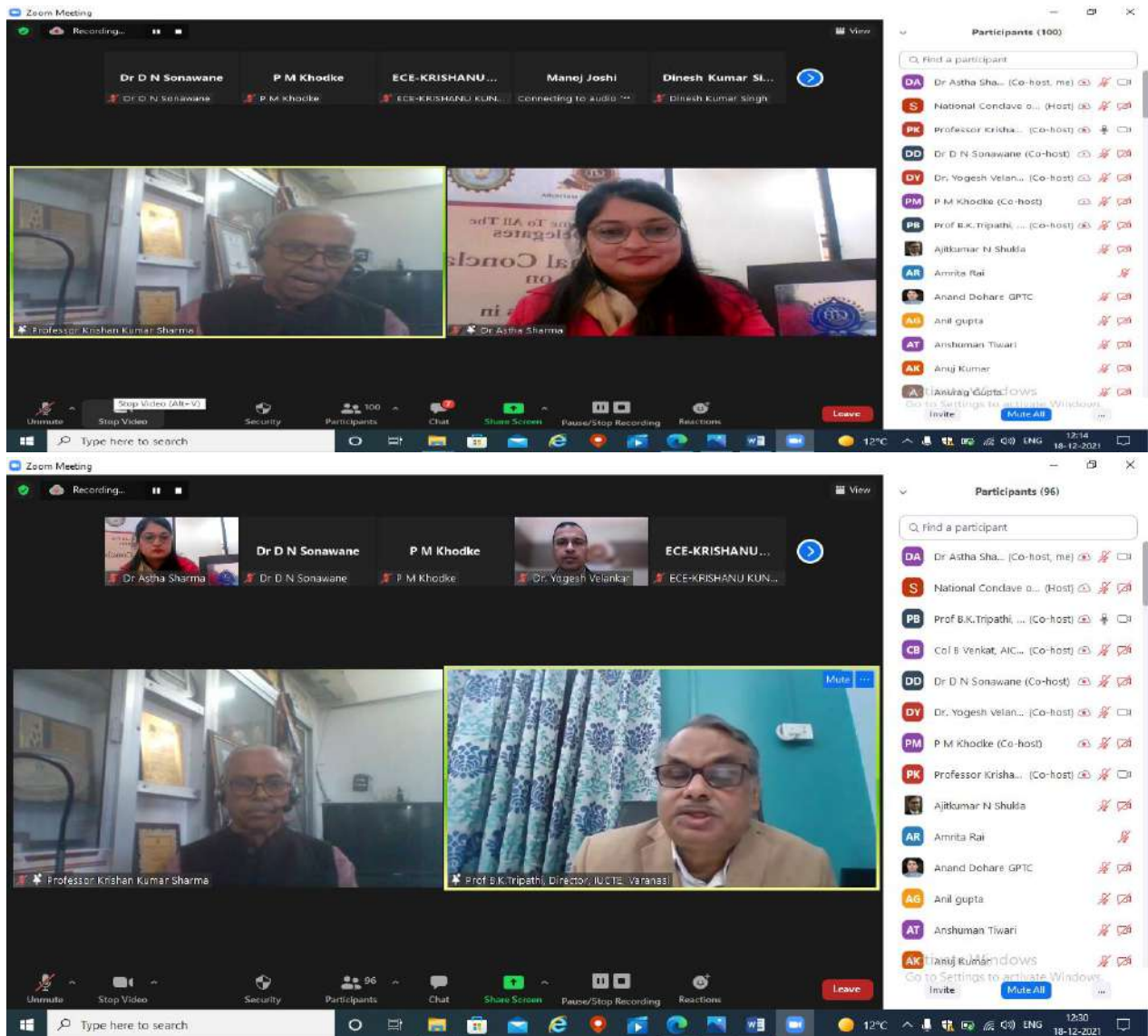
Prof. D.N. Sonawane (HOD, Department of Instrumentation and Control, College of Engineering, Pune) expressed his views by sharing very informative slides. He emphasized that education is ongoing process of transformation of participant: student, learners and researchers. He threw light on UNISEF quality parameters comprising of the learners, the environments, contents, processes and outcomes. Further, he discussed the various challenges to improve quality education. Accreditation is a peer-review process to ensure quality of education. He emphasized that every faculty must visit to industry and society to upskill themselves.

The screenshot shows a Zoom meeting interface. The main content is a slide titled "Challenges to Improve Quality Education" with the following bullet points:

- Ineffective leadership to implement Policy Initiatives
- Financial constraints
- Lack of resources and lack of reliable data
- Lack of good environment and hygiene
- Uneven distribution of human and material resources
- Limited use of Information technology facilities to aid communication

The slide also features the logo of the institution and the text "Embedded Lab, COEP" at the bottom. The Zoom meeting header shows participants: Dr. Astha Sharma, P. M. Khodke, Dr. Vinod Kuma..., and Professor Krishna... The right sidebar shows a list of 98 participants, including Dr. Astha Sharma (Co-host), National Conclave o... (Host), Dr. D. N. Sona... (Co-host), Dr. Yogesh Velan... (Co-host), P. M. Khodke (Co-host), Prof. B.K. Tripathi... (Co-host), Professor Krishna... (Co-host), ABHISHEK SHIVHARE, AJEET SINGH, Ajitkumar N. Shukla, Anil gupta, Anuj Kumar, and anuj verma.

Prof. Krishan K. Sharma (Former Vice Chancellor, Maharshi Dayanand Saraswati University, Ajmer) shared his vivid experiences with the participants. He emphasized on the need of translational research and encouraged faculty to impart quality education by using effective pedagogical tools. He also emphasized that institutes should ensure that no student is unemployed and should help in imparting right skills. He discussed various strategies to make education policy effective. He concluded his speech by emphasizing on the teaching and research in such a manner to translate the scientific discoveries and theory into practical applications.



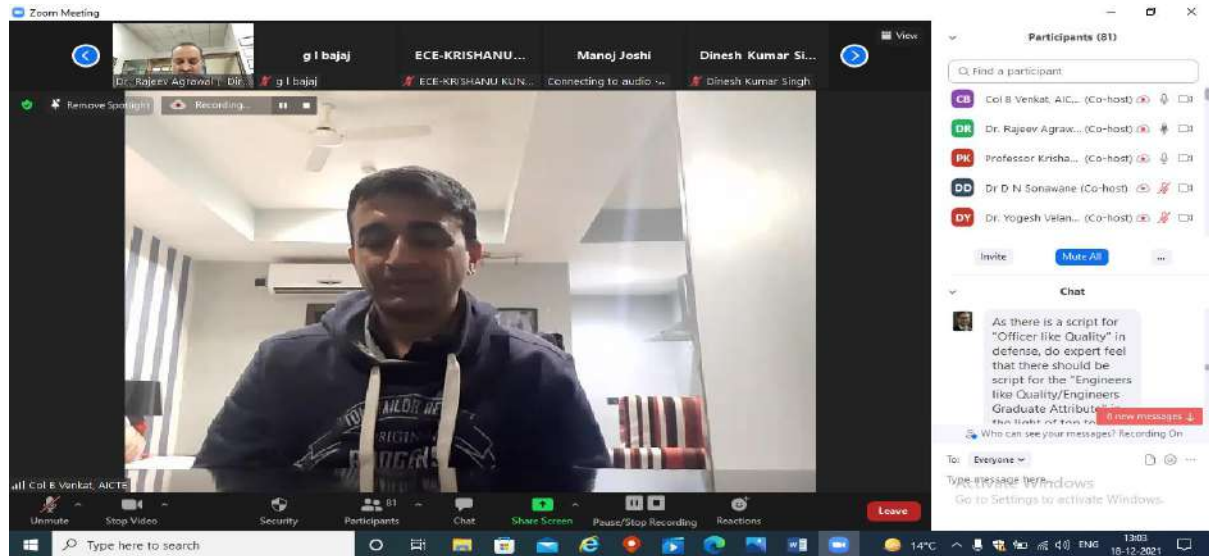
Speaking at the conclave, **Col B. Venkat (Director, Faculty Development Cell, AICTE)** said that while considerable progress is going on in reforming Indian education system, such as curriculum changes and introduction of regional languages, witnessed in SWAYAM courses, however some key reforms are pending and needs to be worked upon. He appreciated the policy vision in aligning the vocational learning with the general learning, and provisions of flexible entry and exit for college students and further allowing international institutes to set up campuses in India. He concluded by saying that the NEP's comprehensive transformation will result in a paradigm shift in the country's education system, as well as a more enabling and revitalized educational ecosystem for a new Atmanirbhar Bharat.



The discussion was followed by a lively session of questions, which the knowledgeable panelists eagerly and enthusiastically responded. *Finally, the moderator Prof. B.K. Tripathi, Director, IUCTE, BHU, Varanasi, concluded the discussion.* He remarked that Capable, motivated and energized faculty empowers learners and would play a significant role in reforming Indian education system. The panel determined that the NEP as a policy statement is positive in its aspirations of internationalization and uniformity of education after a lively discussion. Multiple controls, as well as common regulatory regimes, necessitate procedural reorganization, interlinking, and simplification. Setting high-level objectives, the NEP 2020's success will be decided by systemic improvements. He also cover that the National Education Policy (NEP -2020) is crafted to provide an integrative yet flexible approach to education, keeping in view the interconnections of various facets of education. The NEP-2020 is an end-to-end educational roadmap for the country with a broad view of encompassing holistic development and kindling the true potentials of the individuals. The Policy amply emphasized that the teachers play an important role in inculcating human value and character building. The NEP-2020 has given a shift in education systems so there is a need to design the curriculum with an approach that focusses on faculty improvement programs at entry level and refresher/orientation courses during in-service. The role of Capable, motivated and energized faculty, as emphasized in NEP-2020, empowers learners and would play a significant role in reforming and strengthening our education system. Multiple entry-exit and academic banks of credits are powerful measures that will make the education system flexible, accessible and equitable. The policy has aptly glorified the Indian Education systems with special reference to Nalanda and Takshashila.

Prof Tripathi also add that in the present education scenario, we must focus on the translational research and revisit and implement the ideas of our great thinkers like Mahatma Gandhi, Mahamana Pt. Madan Mohan Malaviya, Swami Vivekananda, Ravindra Nath Tagore, Savitribai Phule to enhance the quality of Indian Education system in true spirit.

The discussion ended with Vote of Thanks by Dr. Rajeev Agrawal, Director, G.L. Bajaj Institute of Technology and Management, Greater Noida.



Day-3

18th Dec 2021, 02.00PM to 04.00PM

Valedictory Session & Key Note

The day three valedictory session has been started with the welcome note given by Prof. Rajeev Agarwal (Director, GLBITM, Greater Noida). The eminent dignitaries are Prof. J.P. Pandey (Vice chancellor, MMMUT, Gorakhpur) and Dr. Anil Kumar (Director, Centre of Lifelong Learning, Adamas University, Kolkata). The valedictory session has been conducted on virtual platform and the timings are 2:30 p.m. to 4:00 p.m.

The key note speaker Dr. Anil Kumar (Director, Centre of Lifelong Learning, Adamas University, Kolkata) has presented his views on **“NEP 2020-Upskilling India-Enhancing Employability”**. He has discussed about the global mega trends, digital transformation which has become an absolute necessity. He also shares the INDIA Skills Report regarding the employability of B. Tech, MBA, MCA and other various courses students. His major focus is on percentage of women workforce, admission criteria given by Ministry of HRD and national skill qualification framework. He concluded his session by enlighten in terms of academic credit and transfer of credit which is going to be discuss in parliament session.

Also there is a discussion about teachers training in between Prof. Rajeev Agarwal and Dr. Anil Kumar.



Prof. J.P. Pandey (Vice chancellor, MMMUT, Gorakhpur) has also shared his experience and views about importance of centre of excellence, reformation and teachers training. He shares his experience on the reformation of external practical and external examiner allocation pattern in the universities. He throws light on the skill development needed in students as well as faculty members, learning based upon examples, upgradation according to time and as per current Skills industry expectations. Finally, he concluded by explaining different aspects of NEP 2020, academic bank of credit and quoting that “programme should be user friendly not developer friendly”.



After that a summary report of the three days' nation conclave on **“Reforms in Indian Education System Through NEP 2020”** has been presented by Prof. Rajeev Agarwal (Director, GLBITM, Greater Noida). He has enlightened about the three days' national conclave from the very first day of inaugural ceremony held. He tells about each and every aspect discussed by our eminent dignitaries. He very well elaborated the key points of the expert talk and panel discussion held in three days.

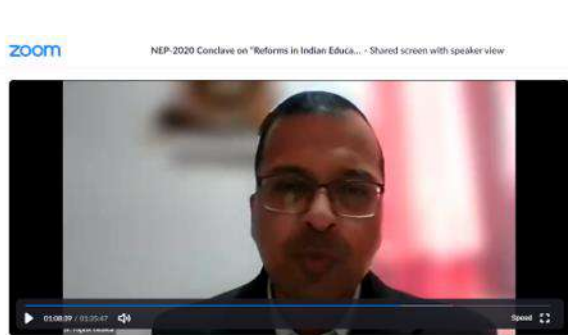


Then the occasion is graced by Dr. D. P. Mishra (Director, NITTTR, Kolkata). He shares his views regarding the NEP integrated with our tradition, culture and various languages. He talks about need of reformation, role of teachers and their responsibility related to new education policy to lead the country.



After that Dr. Yogesh Velankar (Principal, CIT, Bangalore) throws light on need of multidisciplinary education, research activities, language barriers in education system,

regulatory schemes and quality parameters defined for education system. He emphasizes that the feedback or scrutiny comments by national committees should be taken care of to improve the current education system.



Finally the session reaches upto its destination and ended by a good note of vote of thanks given by Dr. Vinod Kumar Yadav (HOD, ME Dept., GLBITM, Greater Noida).





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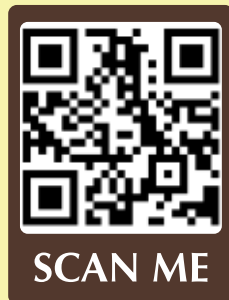
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