



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NAAC and NBA

NOTICE

All the faculty members are informed that a two week Faculty Development Program On “Effective Implementation of National Education Policy 2020” will be held from 06.12.2021 to 18.12.2021 at from 9:30 A.M to 12 :00 pm and from 1:30pm to3:30pm (Venue: Seminar Hall (NB-31)

All the faculty members are requested to attend all sessions. E certificates shall also be given to all faculty members.

Convener
(IQAC) (Dr.
Gautam Singh)

Dated: 10.12.2020



Faculty Development Program

On

“Effective Implementation of National Education Policy 2020”

From

6th December 2021 to 18th December 2021



POORNIMA
INSTITUTE OF ENGINEERING & TECHNOLOGY

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NAAC and NBA

ISI-2. RIICO INSTITUTIONAL AREA, SITAPURA, JAIPUR - 302022

RAJASTHAN, INDIA

www.poornama.org

Poornima Institute of Engineering
& Technology

ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

Introduction

Poornima Institute of Engineering and Technology organized Two week faculty development program on Effective Implementation of National Education Policy 2020, from 6th December 2021 to 18th December 2021. The new National Education Policy- 2020 (NEP) features a vision to reinstate India in the coveted position of world leader at global level. It provides a chance to the higher Educational Institutions especially those engaged in technical education to create a system that contributes directly to transforming the country into a global knowledge superpower. It aims for an inclusive and equitable Education System and at education level introduces broad-based, multi-disciplinary, holistic education with flexible curricular, creative combinations of subjects, integration of vocational training and multiple entries and exit points with appropriate certification.

This FDP shares how NEP 2020 are going to be a milestone in achieving the country's inclusive development goals in building a robust engineering and technology community and sharing our insights more effectively with students. It's an attempt to answer questions about how - our latent passion for developing systems, structures and devices to unravel current problems and our belief that engineering is a richly rewarding profession when it serves the good of society. belief.

The goal of the FDP is to develop long, medium and short-term action plans for the effective and timely implementation of the varied aspects of the National Education Policy 2020. Politics has created an outsized canvas with a vision of the future. We at the Institute of Engineering have a singular role to play in realizing our vision by doing our part to realize the principles of the National Education Policy 2020.

Contents of the Programme

1. Current issues in Higher Education and Policy directions as identified in NEP – 2020
2. Restructuring of HEI- implications and challenges
3. Induction of Multi-disciplinarity in Higher Education
4. Promotion of Indian Art, Culture and Languages
5. Technological Interventions
6. Transforming the Regulatory System of Higher Education
7. Creating a supportive and student-centric learning environment
8. Faculty – development and capability building
9. Promotion of academic research – implications for faculty
10. Vision and Approach for Quality Higher Education


PRINCIPAL
Poornima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

11. Equity and Inclusion in Higher Education
12. Issues and Challenges in Technical Education
13. Transforming Technical Education
14. Technology Use and Integration in teaching learning process
15. Innovative trends in Assessment and Evaluation in teaching learning process
16. Integration of Vocational Education with special focus on teacher 'straining
17. Pedagogical Transformation as envisioned by NEP 2020
18. Role of faculty in effective implementation of NEP in Higher Education
19. Empowering Higher Education with Quality Research and Innovation
20. Effective Governance and Leadership
21. Accreditation, Ranking and Regulatory system of Higher Education
22. Optimum Utilization of Educational Resources for Equity and Equality in education

Detailed Report of FDP

Day 1: Monday, 6th December 2021

Venue: BB-31 Presentation Hall

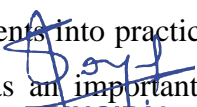
Session-1

Timings: 10:00am-12:30pm

Program: Inaugural session and Briefing of Faculty Development Programme

Session Coordinator: Dr. Ritu Soryan

The inaugural ceremony of the Faculty Development Programme on “Effective Implementation of National Education Policy 2020” commenced with lighting of lamps followed by Saraswati-Vandana. Dr. Gautam Singh (convenor IQAC and Program Coordinator) formally welcomed Director/Principal - Dr. Dinesh Goyal, Speakers and participants. Dr. Dinesh Goyal was one of the key persons in drafting the NEP, he started briefing us about the implementing NEP by explaining the challenges faced by higher education in India. As the major implications of NEP or the core functions are Teaching, Research and Extension/Services. Under Teaching, the major focus is given on Multidisciplinary and holistic learning for students by enabling choice and flexibility in their subjects, student- centric pedagogy by incorporating innovative ideas in the course of curriculum also by involving students into practical learning, make time table as an exclusive concept and Mentorship to be perceived as an important concept by practically giving students an opportunity to explore and trace back if their learning is going in place, taking timely feedback from


PRINCIPAL
Poorvima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

students about their mentors involvements and communication in the course of learning by making it more outcome based. Under Research Implication, a research-based learning should be prioritized. He emphasized on making the learning more research and collaborative based. In order to accomplish this, we need to come up with multidisciplinary courses with specializations which help in learning research and practical applications of the same. Encourage students to enroll for research projects by collaborating with specialized research institutions or colleges etc. at the local level, research internship projects under UG program for the students, have an industry academia linkage for research and curriculum by associating the industry experience into curriculum using case studies, internship reports and incorporate an approach-based study to our curriculum. Formal vote of thanks by Dr. Gautam Singh convenor IQAC, the inaugural session was completed. He has highlighted the program and thanked all the persons associated with the program.

Day 1: Monday, 6th December 2021

Venue: BB-31 Presentation Hall

Session-2

Timings: 1:30pm-3:30pm

Program: Current issues in Higher Education and Policy directions as identified in NEP – 2020

Speaker: Dr. Sama Jain, Professor, PIET

Session Coordinator: Dr. Mukesh Chandra

Dr. Sama Jain delivered his session on “Current issues in Higher Education and Policy directions as identified in NEP – 2020”. Her pre-eminence is on holistic education and learning outcome as suggested by NEP 2020. In her speech, highlighted some critical aspects related to reform in education, as suggested in New Education Policy 2020. She stated that NEP 2020 is a treasure of ideas which touches upon many core issues of educational concern. It touches all sectors of education. At the beginning of her lecture, her prime focus was on Engineering education. She also intonated on higher education reforms proposed in New Education Policy 2020. She put stress on that we should try to achieve 50% enrolment in higher education. She told about the regulatory system in higher education. There are lots of problems related to the regulatory system. National Knowledge Commission earlier worked on regulation committee. These are the main highlights of the speaker; she appreciated all the major reforms for quality improvement in higher education.

The session was so wonderful Current issues in Higher Education and Policy directions as identified in NEP – 2020 and Feedback of participants was very good.


PRINCIPAL
Poornima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

Day 2: Tuesday, 7th December 2021

Venue: BB-31 Presentation Hall

Session-3

Timings: 9:30am-12:00pm

Program: Restructuring of HEI- implications and challenges

Speaker: Mr. Deepak Moud, HoD Computer Science Department

Session Coordinator: Mr. Udit Mamodiya

In the institutional level, he stressed on three major concerns. These are the sustainability concerns, concerns for curriculum and pedagogy and the governance concerns. Giving much importance on education for sustainable development, he said that this is the high time to think about our indigenous assets and the policy is also focusing on these issues. According to Mr. Deepak Moud, the NEP, 2020 is unique as it emphasized all the aspects of education, specially the value system. NEP, 2020 aims at restructuring of Indian educational system into a modern, progressive and equitable one and its successful execution call for a remarkable reorientation of decision-making structures and re-prioritization of the budgetary resources in months and years to come. All the institutions of higher education should have their individual development plans (IDPs). He requested the students, scholars and all the stakeholders to read the policy thoroughly to develop the proper idea for implementation. The participants interacted with the resource person during the session and discussed the consequences and difficulties of the execution of the restructuring of HEI.

Day 2: Tuesday, 7th December 2021

Venue: BB-31 Presentation Hall

Session-4

Timings: 1:30pm-3:30pm

Program: Induction of Multi-disciplinarity in Higher Education

Speaker: Dr. Dinesh Goyal, Director/Principal, PIET

Session Coordinator: Mr. Mohit Bajpai

The 4th session delivered by Dr. Dinesh Goyal, spoke on the topic “Induction of Multi-disciplinarity in Higher Education - objectives, impact and challenges”. His focus was on the multidisciplinary approach. He told that all the Institutes/Universities must be having multidisciplinary focus. It means Institutes/Universities should be multidisciplinary Institutions/universities. He also pointed out that maximum autonomy in functioning should be provided with strong accountability. So, these two aspects are

interrelated. These are the main highlights of the speaker. He appreciated all the major reforms for quality improvement in school education and higher education. Dr. Dinesh Goyal focused on the importance of multidisciplinary approach in higher education research and also discussed at length about the quality of research how it is going in extreme specialization without proper quality and ethics. He reiterated that there is a need to understand and work with quality and with full dedication and commitment in conducting research and collaborating with other discipline researchers. The session was wonderful and full of knowledge, speaker gave lot of inputs to the participants as to how to conduct research ethically with all integrity.

Day3: Wednesday, 8th December 2021

Venue: BB-31 Presentation Hall

Session-5

Timings: 9:30am-12:00pm

Program: Promotion of Indian Art, Culture and Languages

Speaker: Dr. Ritu Soryan, Professor, PIET, Jaipur

Session Coordinator: Mr. Mohit Bajpai

This session is handled by Dr. Ritu Soryan, emphasized on Promotion of Indian Art, Culture and Languages. She said that India's crowning glory is her culture and therefore culture is an important element of the human resource development in a country. She clarified that it is mainly the performing arts and the visual arts, literature and heritage, taken together that define the contours of culture at large, for it is in these that the presence and contribution of Indian culture is much more dominant and visible. She described the richness and dynamic nature of Indian art and culture and this is indeed needed to be preserved and promoted. She termed this approach as "synergy between culture and education." She expressed her worries that today the study and appreciation for Indian culture (inclusive of her arts) had little place in the thoughts of the average educated Indian. Therefore, there is a crying need to ensure that Indian traditions and culture are retained as a way of life and this should be a process of assimilation of the ethos into daily lives as a matter of habit. The session was wonderful and full of knowledge, speaker gave lot of inputs to the participants as to how to on Promotion of Indian Art, Culture and Languages.

Day 3: Wednesday, 8th December 2021

Venue: BB-31 Presentation Hall

Session-6

Timings: 9:30am-12:00pm



PRINCIPAL

**Poornima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022**

Program: Online and Digital education- Technological Interventions

Speaker: Dr. Priya Mathur, Professor, PIET, Jaipur

Session Coordinator: Mr. Saurabh Agrawal

This session taken by Dr. Priya Mathur on “Online and Digital education- Technological Interventions. Dr. Mathur began her session by affirming that education has shifted from ICT supported to ICT integrated mode and thus, in future, the successful teachers would be those who are technology enabled and are equipped with time tested latest ICT skills. She, then, discussed the present scenario of the online education in brief. Taking insights from NEP 2020 that emphasizes on the extensive use of technology in teaching learning, he turned our attention to the policies framed, enforced and replaced by the UGC to promote, recognize and regulate the various aspects of the online education. After listing the skills of a digital educator, she explained that online education can be fully digital or blended and can be synchronous i.e., real time through YouTube streaming, FB live, videoconferencing, etc. or asynchronous i.e., via Google Groups, FB posts, discussion Forums, etc. She then guided us how we could navigate through NPTEL, SWAYAM, India’s first MOOC platform. Following that, he pondered upon the application of digital tools, to assessment of teaching, and learning. She laid stress on that the choice of ICT tools should be accordingly the purpose, content, learning objectives, target learners, and the availability of hardware and software at both ends. Google forms, Canvas, Kahoot, Socrative, etc. are some of the digital tools, that she suggested. She also provided a hands-on-training session for teachers to experience the digital tools and become proficient with them. The session was wonderful and full of knowledge of online and digital education.

Day 4: Thursday, 9th December 2021

Venue: BB-31 Presentation Hall

Session-7

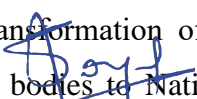
Timings: 9:30 am-12:00pm

Program: Transforming the Regulatory System of Higher Education

Speaker: Dr. Rekha Jain, Professor, PIET, Jaipur

Session Coordinator: Mr. Abhshek Dadhich

First session of 4th day was delivered by Dr. Rekha Jain on “Transforming the Regulatory System of Higher Education”. She emphasized on transformation of Regulatory System of Higher Education, restructuring of various existing regulatory bodies to National Higher Education Regulatory Council (NHERC) which will function as the common, single point regulator for the higher education sector


PRINCIPAL
Poornima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

including teacher education and excluding medical and legal education. He said that the National Education Policy ensures and cultivates the most important Research Culture and lastly highlighted the forthcoming programs with respect to NEP-20. She said that we need to transform 'shiksha' to 'vidya' and implement accordingly. The Universities and higher education institutions should become a center of excellence and quality of research. The session was wonderful and full of knowledge of Transforming the Regulatory System of Higher Education and how to implement at HEI.

Day 4: Thursday, 9th December 2021

Venue: BB-31 Presentation Hall

Session-8

Timings: 1:30 pm-3:30pm

Program: Creating a supportive and student-centric learning environment- role of HEI and faculty


Speaker: Dr. Mukesh Chandra, Professor, PIET, Jaipur

Session Coordinator: Mr. Nitin Mukesh Mathur

Second session of 4th day was delivered by Dr. Mukesh Chandra on "Creating a supportive and student-centric learning environment- role of HEI and faculty". Dr. Mukesh Chandra was one of the key persons in drafting the NEP, he started briefing us about the implementing NEP by explaining the challenges faced by higher education in India. He focused on main aim of NEP implementation is to set a new framework and shape the education system and the student's education, aspirations and quality of life. He said that student centric effort to not just provide education but to develop them for the society and organization at the same time. He emphasized the need and care with which NEP is created by keeping the various challenges in mind such as fragmented educational eco-system, lesser emphasis on cognitive skills, rigidity in discipline separation, limited teachers, and institutional autonomy and so on. As the major implications of NEP or the core functions are Teaching, Research and Extension/Services. During the session he has focused on -

- How to design a Student-Centered Learning environment based on automation
- How to encourage the development of global skills and prepare students for the next step
- How to support students who want to start their academic journey abroad using the right guidance

The session was so wonderful for enhancing Creating a supportive and student-centric learning environment- role of HEI and faculty and expectation and Feedback of participants was very good.


PRINCIPAL
Poornima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

Day 5: Friday, 10th December 2021

Venue: BB-31 Presentation Hall

Session-9

Timings: 9:30 am-12:00pm

Program: Faculty- development and capability building

Speaker: Dr. Sama Jain, Professor, PIET, Jaipur

Session Coordinator: Dr. Aisha Rafi

Dr Sama Jain started her session on Faculty- development and capability building, she emphasized on faculty empowering and over all development of faculty. She asserted the need for teachers across the board to be treated with dignity, whether it is school education or higher education, citing the exemplary case of Finland, whose success in education is attributed to its teachers who are the brightest and the best minds in the country. She said faculty development in Higher Education is the centripetal force to energize the system from within. It will be helps the teachers to develop a clear vision, maintain the right perspective, develop networks and make them respond to recent initiatives with integrity. She explained that Faculty Development involves scaffolding and supporting teachers, making resources readily available to them and charting pathways for improved performance for self and the sector. In recent years the Indian Higher Education is progressing well as historically enunciated in are educational history. The key objective of the Webinar was aimed at bringing forth the importance of Teacher and Faculty Development, in the light of the National Education Policy (NEP), 2020. The need is to also amalgamate the power of ideas and power of imagination. Teacher must be a value educator. Meet the expectations of the last man in line.

The session was so wonderful focused on Faculty- development and capability building and expectation and Feedback of participants was very good.

Day 5: Friday, 10th December 2021

Venue: BB-31 Presentation Hall

Session-10

Timings: 1:30 pm-3:30pm

Program: Promotion of academic research - implications for faculty

Speaker: Dr. Anil Kumar, Professor, PIET, Jaipur

Session Coordinator: Mr. Rahul Gupta

Dr. Anil Kumar started her lecture with the brief introduction of catalyzing quality academic research


PRINCIPAL
Poornima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

through National Research Policy, NEP, 2020. She said that research and innovation at education institutions in India, particularly those that are engaged in higher education, is critical. She discussed National Research Foundation (NRF). She said that the goal of NRF is to enable a culture of research through Institutions/universities. In particular, the NRF will provide a reliable base of merit based but equitable peer reviewed research funding, helping to develop a culture of research in the country. He talked about survey trends, behavior, beliefs, attitude, opinion, evaluation, self-classification, characteristics and expectations etc. He stated that knowledge, text, picture, shape, media, quick styles, elements of survey research, element, purpose and research questions etc. He highlighted background and significance of design, frame, approach, subjects, selection criteria, sampling design, variables, statistical issues, hypothesis, sample size and analytic approach etc. The session was quite informative, elaborative and useful for participants. Feedback of participants was very good.

Day 6: Saturday, 11th December 2021

Venue: BB-31 Presentation Hall

Session-11

Timings: 9:30 am- 12:00pm

Program: Vision and Approach for Quality Higher Education

Speaker: Mr. Deepak Moud, HoD CS, PIET, Jaipur

Session Coordinator: Mr. Vikaram Khandelwal

The Key Speaker Mr. Deepak Moud, HoD, Dept. Computer Science, in his address said “Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many alternatives. Therefore, the quest to become quality institution is in itself a core value that HEIs should imbibe and demonstrate in their functioning. He said “Quality is a result – the result of being aware of quality but it is more important of being aware of the future. Achieving quality in higher education requires an institution to find a balance between responsibility for quality and concern for continuous improvement. The HEIs must strive to address the quality parameters in a holistic approach. Quality therefore must become outcome-oriented and not output-based.” Further, he explained the entire process flow of A & A process and also touched upon the seven criterions of NAAC, illustrated its Quality Key Indicators (KIs). At the end of the session, he also clarified the queries raised by the participants.

Day 6: Saturday, 11th December 2021

Venue: BB-31 Presentation Hall


PRINCIPAL
**Poornima Institute of Engineering
& Technology**
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

Session-12

Timings: 1:30 pm- 3:30pm

Program: Equity and Inclusion in Higher Education

Speaker: Dr. P. Lal, Associate Professor CS, PIET, Jaipur

Session Coordinator: Mr. Ashok Kumar

Dr. P Lal started the deliberation highlighting the focal points on importance to comprehend NEP 2020 as education plays a critical role and a central feature of global competitiveness. He was in the opinion that NEP 2020 focus on making human capital. The higher education system expanded rapidly post-colonial era, so the road map for NEP is needed, so implication description is required. He discussed issues on the roadmap towards equity and inclusion and also raised a question on how to include the excludes. He suggested that more scholarships and financial incentives at all levels of education to be included as top expenditures in the budget allocation of the country. The inclusion does not limit itself to location; sometimes it's an economic problem that hinders the access to higher education. In conclusion, he discussed the most trending issue on the technology-mediated instruction challenges. The session was quite informative, elaborative and useful for participants. Feedback of participants was very good.

Day 7: Monday, 13th December 2021

Venue: BB-31 Presentation Hall

Session-13

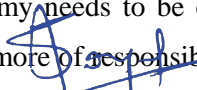
Timings: 9:30 am- 12:00pm

Program: Issues and Challenges in Technical Education

Speaker: Dr. Priya Mathur Associate Professor PIET, Jaipur

Session Coordinator: Ms. Nandni Sharma

The first resource person Dr. Priya Mathur, Professor, PIET Jaipur expressed his genuine views by delivering a very inspiring speech. She provided a holistic overview on the issue and challenges in technical education faced by the present education system. She emphasized on the fact that NEP envisions to overcome current crisis, where autonomy can solve the problem given there is an ecosystem where teachers are owners. She highlighted on the issues like teaching pedagogy, technology in teaching-learning, education principles, content development, learning theories and research methods and assessment. She said that teachers are the leaders and foundation of education ecosystem. Some of the highlights of his talk was that there is need to empower teachers to empower the system, then the system will be self-sustained. Autonomy needs to be earned, not be obtained. Autonomy is a natural process; it should be evolved not thrust. It is more of responsibility, good governance, team work, integrity and


PRINCIPAL

**Poornima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022**

transparency. The session was quite informative, elaborative and useful for participants. Feedback of participants was very good.

Day 7: Monday, 13th December 2021

Venue: BB-31 Presentation Hall

Session-14

Timings: 1:30 pm- 3:30pm

Program: Digital Transforming of Technical Education

Speaker: Dr. Ritu Soryan Professor PIET, Jaipur

Session Coordinator: Mr. RamMohan

Dr. Ritu Soeyan focused on policy matters relating to higher education institutions. One of the important things in the policy is the transformative nature that is transform all under graduate institutions into multidisciplinary institution. All undergraduate courses are aimed at holistic development that is development of intellectual, aesthetic, physical, social, moral, ethical and so on and all must be done in an integrated manner. Dr. Ritu Soryan shared her thoughts on this session on Digital Transforming of Technical Education and emphasized the need to create and sustain quality standards in the technical education institution. She emphasized the need of reiterating the emergency created by Covid -19 pandemics he urged all the stake holders of higher technical education, especially the teachers, to utilize the courses and develop new process that increases the relevant the novel initiatives inculcated in the National Education Policy in its implementation. He opined that with NEP 2020 coming to effect major changes is going to happen in school system and it may turn out to promote rote learning. The session was very informative, elaborative and useful for participants. Feedback of participants was very good.

Day 8: Tuesday, 14th December 2021

Venue: BB-31 Presentation Hall

Session-15

Timings: 9:30 am- 12:00pm

Program: Technology use and Integration in teaching learning process

Speaker: Dr. Rekha Jain, Professor PIET, Jaipur

Session Coordinator: Mr. RamMohan

Dr. Rekha Jain presented the curriculum integration. She said that an integration is a philosophy of teaching in which content is drawn from several subject areas to focus on a particular topic or theme. She talked a lot about cross-curricular lessons. She further delivered the types of curriculums i.e., planned


PRINCIPAL
**Poornima Institute of Engineering
& Technology**
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

curriculum, delivered curriculum and experienced curriculum. Dr. Jain focused upon the description of curriculum. She, further, elaborated that the technology integration ideally should guide, expand and enhance the objectives of learning. Curriculum integration with technology can take place only when technology as a tool is used to enhance learning preferably in the content area. Effective integration of technology is successful when students can select technology tools to help them obtain information promptly, analyse and synthesize the information, and present it professionally. The session was wonderful, informative, elaborative and useful for participants. Feedback of participants was very good.

Day 8: Tuesday, 14th December 2021

Venue: BB-31 Presentation Hall

Session-16

Timings: 1:30 pm- 3:30pm

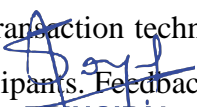
Program: Innovative trends in Assessment and Evaluation in teaching learning process

Speaker: Mr. Deepak Moud, HoD CS PIET, Jaipur

Session Coordinator: Mr. RamMohan

Mr. Deepak Moud began his lecture with a brief overview of the NEP 2020 and curriculum. According to him, to make education more experimental, holistic, integrated, inquiry-driven, discovery-oriented, learner-cantered, discussion-based, flexible, and, of course, enjoyable, pedagogy must evolve. According to him, CO- PEO's mapping and assessment of achievement is popular in engineering and technical institutions. He explained the assessment process for overall PO attainment in which PO assessment process and PO assessment tools were used. In PO assessment tools direct and indirect methods of assessment were used. Direct attainment and indirect assessment tools and process were discussed. In direct attainment process the direct assessment of PO's of conceptual perspective of teacher education. He illustrated upon the indirect assessment which was done through student exit survey by alumni, teachers, parents and employer feedback. CO and PO attainment calculations were done and explained.CO-PO mapping was done.CO and PO attainment calculators were used for continuous improvement. Hence, the vision and mission for outcomes can be of two types: institute vision and mission and department vision and mission. He said that a teacher should know that what the students are learning from a teacher. He said that self-assessment by a teacher is must. He concluded his wonderful talk with the statement that learning outcome-based transaction techniques are must. The session was wonderful, informative, elaborative and useful for participants. Feedback of participants was very good.

Day 9: Wednesday 15th December 2021


PRINCIPAL
**Pranima Institute of Engineering
& Technology**
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

Venue: BB-31 Presentation Hall

Session-17

Timings: 9:30 am- 12:00 pm

Program: Integration of Vocational Education with special focus on teacher ‘straining’

Speaker: Dr. Gautam Singh, Professor, PIET, Jaipur

Session Coordinator: Mr. Nitin Mukesh Mathur

Dr. Gautam Singh has presented the following vision of vocational education in India in the light of NEP 2020. Make India skill capital of India, make vocational education ‘Aspiration’, prepare youth for future skill, ensure quality improvement in Vocational education, outcome centric vocational education, Ensure the Employability of vocational courses, enable higher education facility of those who are completed vocational education stream. He said facility to continue vocational education in higher educational institutions, Expanding access to vocational education in colleges At least one skill should be taught by every student in the school, establish linkage between schools, colleges, industries at local level, leveraging ICT integrated skill training, introduction of a robust credit system in vocational education stream, focus on new age courses like, artificial Intelligence, data science, block chain, machine learning etc, Ensure academic equivalence to vocational courses for higher education and employment. The session was wonderful, informative, elaborative and useful for participants. Feedback of participants was very good.

Day 9: Wednesday 15th December 2021

Venue: BB-31 Presentation Hall

Session-18

Timings: 1:30 pm - 3:30 pm

Program: Pedagogical Transformation as envisioned by NEP 2020

Speaker: Dr. Mukesh Chandra, Professor, PIET, Jaipur

Session Coordinator: Mr. Nitin Mukesh Mathur

Dr. Mukesh Chandra started her lecture with the brief introduction of ‘Pedagogical Transformation as envisioned by NEP 2020’. He said that pedagogy is a mean to derive the knowledge one to another places and streams with specific techniques and methods. He said that there is confusion that this is not useful for science faculties; but this is a misconception. Pedagogy is equally important for those teachers too. Being a teacher, we all should know about the ‘Pedagogy’. He said that pedagogy requires teachers to be grounded in Indian values, languages, knowledge, ethos, and traditions. He said that the technical education requires multidisciplinary inputs, and Education for the better results. He focused to emphasize


PRINCIPAL
**Poornima Institute of Engineering
& Technology**
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

upon the knowledge and understanding of the subject area actors that affect student learning, pedagogical knowledge, curriculum structures, technology use & integration in education etc. The session was informative, interactive, fruitful and ended with the answers of speaker queries and questions putting up by participants

Day 10: Thursday 16th December 2021

Venue: BB-31 Presentation Hall

Session-19

Timings: 9:30 am - 12:00 pm

Program: Role of faculty in effective implementation of NEP in Higher Education

Speaker: Dr. Anil Kumar, Professor, PIET, Jaipur

Session Coordinator: Mr. Rahul Gupta

Dr. Anil Kumar started her lecture with the brief introduction of 'Role of faculty in effective implementation of NEP in Higher Education'. He emphasized that teachers are the base of NEP implementation and they will play important role in making India 'Vishav Guru'. He introduced about four-point strategy of Orientation, Awareness, Challenge, and Response to motivate teachers of school and HEIs of India for effective implementation of NEP-2020. He expressed his believe that NEP-2020 will make equitable quality education accessible to all. For its effective implementation, he encouraged teachers to develop course content in Indian Languages, provide examples from our own cultural context and adopt innovative teaching pedagogies. He emphasized on the importance of close contact between teachers & students for effective teaching-learning process. He encouraged teachers to develop Learning Outcome-based Curriculum Framework, choose relevant course content, pedagogy and formulate appropriate measurable tools for evaluation with the aim to develop global citizens that have their roots in our culture and traditional values system and knowledge base. The session was informative, interactive, and fruitful and ended with the answers of speaker queries and questions putting up by participants.

Day 10: Thursday 16th December 2021

Venue: BB-31 Presentation Hall

Session- 20

Timings: 1:30 pm - 3:30 pm

Program: Empowering Higher Education with Quality Research and Innovation

Speaker: Dr. Ritu Soryan, Professor, PIET, Jaipur

Session Coordinator: Mr. Saurabh Agrawal


PRINCIPAL
Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

Dr. Ritu Soryan started her lecture with the brief introduction of 'Empowering Higher Education with Quality Research and Innovation'. Dr. Ritu Soryan gave an overview of academic research vs industrial progress and requirements, monitoring and clustering of academic work, impact of technology growth the connect of academia and the requirements of industry in research perspective and also emphasising about the interdisciplinary research that is exactly mentioned in NEP 2020 document. He emphasised the need for high quality interdisciplinary research across all fields and derive solutions to societal problems. Therefore, research in arts and humanities, along with innovations in sciences, engineering and social sciences are extremely important for the progress and enlightened nature of a nation. She said that HEIs must be focus on research and innovation by setting up start-up incubation centres; technology development centres; centres in frontier areas of research; greater industry-academic linkages; and interdisciplinary research including humanities and social sciences research. The session was informative, interactive, and fruitful and ended with the answers of speaker queries and questions putting up by participants.

Day 11: Friday 17th December 2021

Venue: BB-31 Presentation Hall

Session- 21

Timings: 9:30 am - 12:30 pm

Program: Effective Governance and Leadership

Speaker: Dr. Gautam Singh, Professor, PIET, Jaipur

Session Coordinator: Mr. Ashok Kumar

Dr. Gautam Singh began his lecture with a brief overview of the NEP 2020 and Effective Governance and Leadership. He emphasized on the effective governance and leadership that enables the creation of a culture of excellence and innovation in higher education institutions. He talked about common feature of all excellent institutions globally including India has indeed been the existence of strong self-governance and outstanding merit-based appointments of institutional leaders. He further stated that the challenge was to reach to all stakeholders, and in order to do that it was important to understand the various policy measures, which would change and touch the life of every individual. The key emphasis in the policy is on excellence in terms of internationalisation of higher education with a special focus on international faculties, students and an overall effective governance. He discussed about the dream of having a self-reliant India where the role of HEIs would be very crucial. The session was informative, interactive, and fruitful and ended with the answers of speaker queries and questions putting up by participants.

Day 11: Friday 17th December 2021


PRINCIPAL
Poornima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022

Venue: BB-31 Presentation Hall

Session- 22

Timings: 1:30 pm - 3:30 pm

Program: Accreditation, Ranking and Regulatory system of Higher Education

Speaker: Mr. Deepak Moud, HoD CS, PIET, Jaipur

Session Coordinator: Mr. Ashok Kumar

The session was delivered by Dr Deepak Moud , HOD Cs, on “Transforming the Regulatory System of Higher Education”. He told about the regulatory system in higher education. He informed that NEP-2020 had proposed the separation of functions of regulation, accreditation, ranking, funding, and academic standard setting & establishment of the Higher Education Commission of India to regulate Higher Education Institutions. He emphasized on improving the quality through standard setting and accreditation process to HEIs by means of self-disclosure of all basic regulatory information as per the regulatory body named Quality Assessment and Accreditation Framework. While elaborating on the institutional overhaul, he talked of the light but tight regulatory system. The policy establishes four independent verticals - regulation, academic standard, accreditation, Ranking and funding -which will no longer reside with the same body. Accreditation will be given by the National Assessment and Accreditation Council NAAC, NBA and other accreditation agencies and for ranking NIRF within the country. Funding will be taken over by the Higher Education Grants Council for both general and technical institutions and all institutions will become multidisciplinary. The session was informative, interactive, and fruitful and ended with the answers of speaker queries and questions putting up by participants.

Day 12: Saturday 18th December 2021

Venue: BB-31 Presentation Hall

Session- 23

Timings: 9:30 am -12:30 pm

Program: Optimum Utilization of Educational Resources for Equity and Equality in education

Speaker: Mr. Sama Jain, Professor, PIET, Jaipur

Session Coordinator: Dr. Aisha Rafi

In this session Dr. Sama Jain deliver her talk on ‘Optimum Utilization of Educational Resources for Equity and Equality in education’. She discussed issues on the roadmap towards equity and inclusion and raised a question on how to include the excludes. She also discussed the socio-economic contextual challenges of disadvantaged students in higher education. Addressing these questions, she cited instances of private sector investments in education that also makes it more efficient in service. In addition, he noted limitations towards access to higher education, focusing on facilities of financial assistance for students. She suggested that more scholarships and financial incentives at all levels of education to be included as top expenditures in the budget allocation of the country. She said that the NEP

2020 helps us to understand the futuristic education policy in our country. It not only discusses concepts but identifies innovation in bringing equality in education. The session was informative, interactive, and fruitful and ended with the answers of speaker queries and questions putting up by participants.

Day 12: Saturday 18th December 2021

Venue: BB-31 Presentation Hall

Timings: 1:30pm -3:30 pm

Program: Valedictory session

Session Coordinator: Dr. Ritu Soryan

The Valedictory address was delivered by Dr. dinesh Goyal, Director/Principal, PIET, Jaipur. He, in his lecture talked about the importance and significance this program. After the Valedictory session, all the participants were requested to present the summary of various FDP sessions. Participation Certificates were distributed to the participants by Dr. Dinesh Goyal (Director/Principal), Dr. Gautam Singh, (Registrar), Mr. Deepak Moud (HoD, CS) and Dr. Sama Jain (HoD First Year). In this program, there were total 24 sessions, question and answer sessions, assignments, and feedback for the participants. During this session, number of participants gave their feedback about the program. Dr. Gautam Singh, Registrar, PIET, Jaipur addressed the audience and talked about Students as the stakeholders and central to the New Education Policy. NEP provides more opportunities to learn whatever they like from multiple places. Dr. Mukesh Chandra, Coordinator, IQAC delivered the vote of thanks and concluded the all sessions of FDP.



PRINCIPAL

**Poornima Institute of Engineering
& Technology
ISI-2, RIICO Institutional Area
Goner Road, Sitapura Jaipur-302022**