Outlook

MITS Communication/Report on PDP/IQAC/10.03.2025-14.03.2025.

From Vice Principal Administration <viceprincipaladministration@mits.ac.in>
Date Wed 26-03-2025 18:03

A Report on

Five-day Professional Development Programme (PDP) on

"National Education Policy 2020 & Institutional Development",

Organized by

Internal Quality Assurance Cell (IQAC)

in association with NITTTR, Chennai

from 10.03.2025 to 14.03.2025

Report Submitted by: Mrs. Prudhivi Anuradha, Assistant Professor, Dept of CSE-Data Science and Document Manager , IQAC.

Resource Persons: Dr. G. Janardhanan, Professor of Civil and Environmental Engineering and Dean of Academics and Research at NITTTR Chennai; Dr. V. Shanmuganeethi, Professor, Department of Computer Science & Engineering, NITTTR Chennai; Dr. E.S.M. Suresh, Professor, Department of Civil Engineering, NITTTR Chennai

Venue : East Block Scaleup Classroom

Participants: 35 Faculty Members

Timings: 10:00AM To 4:00 PM

Mode of Conduct: Offline

Report Received on 21.03.2025.

Five - Day Professional Development Programme (PDP) on "National Education Policy 2020 & Institutional Development " for the faculty members was conducted from 10th March 2025 to 14th March 2025 in the East Block Scale-up classroom. Thirty Five faculty members from various departments attended the PDP.

The objectives of this program was to enable participants to:

- Understand **NEP 2020** and its impact on Higher Education
- Conduct a **SWOT analysis** of Higher Education Institutions
- Explore **Institutional Autonomy** and **Flexible Curriculum Design**
- Learn about the **National Credit Framework** and **Curriculum Evaluation**
- Familiarize with the **Accreditation Process** and **Outcome-Based Education (OBE)**
- Integrate **Technology in Education** and Digital Tools
- Develop **Strategic Planning** for NEP 2020 implementation
- Enhance **Faculty motivation** and Professional growth
- Utilize **Digital Learning Platforms and OER** effectively

The Resource Persons Dr. G. Janardhanan, Dr. V. Shanmuganeethi and Dr. E.S.M. Suresh from NITTTR, Chennai, conducted the sessions. The program commenced with an inaugural session on 10th March 2025. Dr. P. Ramanathan, Vice Principal (Academics), delivered the welcome address, followed by the presidential address by Dr. C. Yuvaraj, Principal. Dr. D. Pradeep Kumar, PAARC Cell Chief Coordinator, introduced the resource persons. The experts from NITTTR Chennai, highlighted the significance of this PDP.

Day 1: 10.03.2025, Monday

Forenoon Session:

The Forenoon session focused on the Overview of the National Education Policy (NEP) 2020. The session was led by Dr. G. Janardhanan, Professor of Civil and Environmental Engineering and Dean (Academics and Research) at NITTTR Chennai. He provided an in-depth understanding of NEP 2020, explaining its structure, comprising four major parts: Part I: School Education (Chapters 1-8), Part II: Higher Education (Chapters 9-18), Part III: Other Key Areas of Focus (Chapters 19-23) and Part IV: Implementation and Execution (Chapters 24-25). He emphasized Part II (Higher Education) and Part III (Other Key Areas of Focus), engaging participants in a detailed discussion on the policy's vision for higher education, institutional restructuring, research and innovation, faculty development, and the integration of technology. The session provided valuable insights into the transformative aspects of NEP 2020 and its implications for academic institutions.

Afternoon Session:

The Afternoon session was conducted by Dr. V. Shanmuganeethi, Professor, Department of Computer Science & Engineering, NITTTR Chennai. The session focused on the SWOT Analysis of Higher Education Institutions in the Context of NEP 2020. He guided participants through identifying the Strengths, Weaknesses, Opportunities, and Threats faced by higher education institutions in implementing NEP 2020, emphasizing strategies to leverage strengths and mitigate challenges. Additionally, he discussed the role of ICT in higher education, highlighting its significance in Digital Learning and Academic Transformation. He introduced platforms like e-Pathshala for open educational resources and explained NATS 2.0 (National Apprenticeship Training Scheme), which enhances Industry-Academia collaboration. He also provided insights into the National Scholarship Portal (NSP) and various fellowship opportunities available to faculty and students. The session was highly informative, equipping faculty members with knowledge of digital advancements and policy-driven educational reforms.

Day 2: 11.03.2025, Tuesday
Forenoon Session:

The Forenoon session was conducted by Dr. V. Shanmuganeethi. He discussed Institutional Autonomy towards a Flexible Curriculum, addressing the challenges faced by Higher Education Institutions (HEIs) in the current academic landscape. He provided insights into Institutional Restructuring and Consolidation as proposed in NEP 2020, highlighting key reforms that promote autonomy in governance, curriculum design, and academic flexibility. He elaborated on the different Institutional Categories in NEP 2020 and how they contribute to improving education quality. The session also covered the integration of flexible curriculum structures, the introduction of NCVET (National Council for Vocational Education and Training) UG courses in the summer term, and the importance
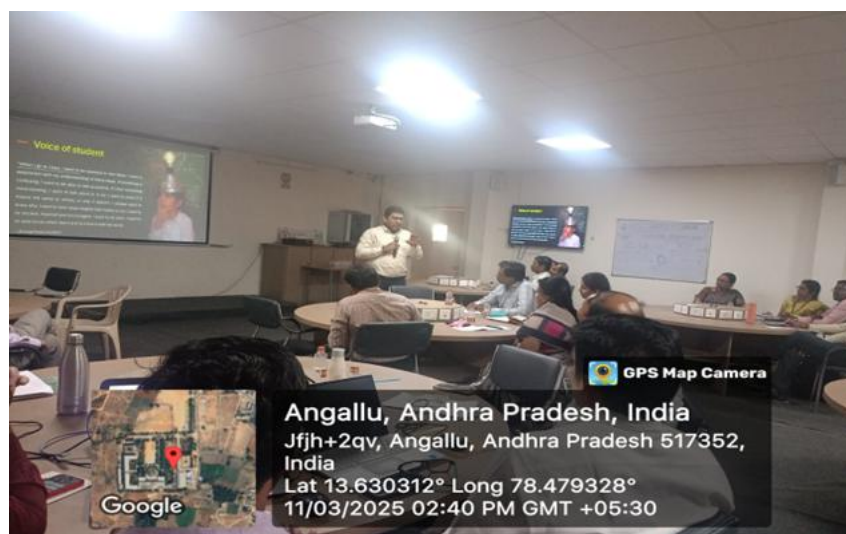
of Recognition of Prior Learning (RPL) and credit transfer mechanisms. By the end of the session, faculty members gained a deeper understanding of how autonomy can be effectively implemented in HEIs to enhance Learning Outcomes and Institutional Growth.

Afternoon Session:

The Afternoon session was conducted by Dr. G. Janardhanan and the session focused on the National Credit Framework (NCrF), explaining its role in promoting credit mobility, multidisciplinary learning, and seamless transitions between academic and vocational education. He emphasized the significance of social presence, cognitive presence, and teacher presence in creating an effective learning environment. Social presence fosters collaboration and engagement among learners, cognitive presence ensures deep learning and critical thinking, and teacher presence plays a crucial role in guiding and facilitating knowledge acquisition. The session provided valuable insights into designing learner-centric education models aligned with NEP 2020 and included discussions on relevant case studies.

Day 3: 12.03.2025, Wednesday
Forenoon Session:

The Forenoon session was conducted by Dr. G. Janardhanan, focusing on the Accreditation Process and its significance in maintaining and enhancing Institutional Quality. He provided an in-depth understanding of accreditation frameworks, the role of quality assurance measures, and how accreditation contributes to institutional credibility and academic excellence. The session also covered Technology Integration in Education, exploring innovative digital tools and platforms that can be leveraged to improve teaching methodologies and learning outcomes. Additionally, Dr. Janardhanan discussed the importance of developing Institute-Owned Massive Open Online Courses (MOOCs) to promote digital learning and improve accessibility. He elaborated on strategies for designing, implementing and delivering MOOC courses that align with institutional objectives and enhance student engagement.

Afternoon Session:

The Afternoon session was conducted by Dr. V. Shanmuganeethi, focusing on Outcome-Based Education (OBE) and its significance in enhancing student learning and employability. He emphasized the shift from traditional content-based teaching to a structured, outcome-driven approach aligned with NEP 2020. The session covered key aspects of OBE, including defining Program Educational Objectives (PEOs), Program Outcomes (POs), and Course Outcomes (COs) to ensure measurable learning outcomes. He discussed the role of Bloom's Taxonomy in designing effective assessments, the importance of curriculum mapping, and the use of rubrics and performance indicators to evaluate student progress. By integrating competency-based learning approaches, faculty members gained insights into creating a student-centric curriculum that fosters critical thinking, skill development, and lifelong learning.

Day 4: 13.03.2025, Thursday
Forenoon Session:

The Forenoon session was conducted online by Dr. E.S.M. Suresh, Professor, Department of Civil Engineering, NITTTR Chennai. The session commenced with an introduction of the resource person by Dr. K. Sathesh. IQAC Coordinator. Dr. Suresh focused on Strategic Planning and Implementation, emphasizing the importance of a structured approach in achieving institutional goals and aligning them with NEP 2020. He elaborated on key aspects such as intake capacity, student placements, and the distinction between customers and stakeholders in higher education. He also explained the concept of notional learning hours and their role in credit calculation, the bottom-up model of decision-making, and the need for institutions to adapt to changes in the external environment. The session further highlighted the challenges of a misaligned organization lacking a strategic plan and stressed the necessity of incorporating life skills and multilingual proficiency into the curriculum to enhance student adaptability and employability.

Afternoon Session:

The Afternoon session was conducted by Dr. G. Janardhanan, who delved into key aspects of Sustainable Development Goals (SDGs) and their relevance to higher education. He explained the cognitive dimension versus knowledge dimension, highlighting their impact on learning and policy implementation. The session also covered policy changes and challenges faced by Higher Education Institutions (HEIs) in aligning with NEP 2020 and maintaining Quality Education standards. Dr. Janardhanan provided an in-depth overview of the National Research Foundation (NRF), discussing its purpose, objectives, roles, functionality, areas of focus, and structure. He demonstrated important online platforms such as anrfonline.in, education.gov.in, and bis.gov.in, guiding participants on how to access crucial educational resources. Additionally, he introduced ISO 29994:2021, the standard specifying requirements for online learning services, ensuring quality in MOOCs and e-learning. The session also emphasized the importance of industry-supported laboratories, showcasing how collaboration between Academia and Industry can enhance research and skill development.

Day 5: 14.03.2025, Friday
Forenoon Session:

The Forenoon session was conducted by Dr. V. Shanmuganeethi, focusing on Digital Learning Platforms and Open Educational Resources (OER). He provided insights into the role of digital platforms in enhancing teaching and learning experiences, emphasizing the significance of technology-driven education. The session covered various Learning Management Systems (LMS), e-learning tools and OER repositories, highlighting their benefits in ensuring accessible, flexible and cost-effective learning opportunities. Dr. Shanmuganeethi also discussed strategies for integrating OER into curriculum design, ensuring that faculty members could effectively

incorporate digital resources to support student learning. The session underscored the importance of open-access educational materials, collaborative learning environments and innovative pedagogical approaches in modern education.

Afternoon Session:

The Afternoon session was dedicated to a discussion between the participants and the resource persons on the MITS strategic plan. The discussion focused on key aspects of institutional growth, aligning with NEP 2020 objectives, and implementing best practices for academic excellence. Participants shared insights and exchanged ideas on policy implementation, curriculum enhancements, accreditation goals, and future initiatives.

The session was followed by the Valedictory Ceremony at 3:00 PM. The event commenced with opening remarks by Dr. D. Pradeep Kumar, Chief Coordinator, PAARC, highlighting the significance of the Professional Development Program (PDP) in strengthening faculty expertise. A special address was delivered by Dr. Sreemanth Basu, Dean - Administration & International Relations, emphasizing the importance of continuous professional growth and institutional development. The resource person, Dr. G. Janardhanan, shared his experiences, reflecting on the interactive sessions and the enthusiastic participation of faculty members. Participants then provided their feedback, sharing their learning experiences and key takeaways from the program. The event concluded with a Vote of Thanks by Dr. P. Ramanathan, Vice Principal - Academics, expressing gratitude to the resource persons, organizing team, and participants for their active engagement and contributions.

Outcomes of the program:

The PDP enhanced faculty knowledge on NEP 2020, Curriculum Flexibility, Accreditation and Digital Learning. It covered Strategic Planning, Outcome-Based Education, Institutional Autonomy and ICT Integration. Discussions on NCrF, SDGs and Higher Education Challenges provided valuable insights. The program empowered faculty with strategies for academic excellence and institutional growth.

We thank Management and Principal for providing us the necessary support for smooth conduct of this program.

With regards,
Dr. C. Kamal Basha, M.E., Ph.D.
Vice Principal - Administration,
Madanapalle Institute of Technology & Science
Madanapalle - 517 325, A.P.
viceprincipaladministration@mits.ac.in