

Workshop on "NEP 2020: A Visionary Roadmap towards Transforming Indian Education Focused on Science, Technology, Research and Skill Development" held on 5th September 2022 at the auditorium of Karim City College, Jamshedpur was organised by the Faculty of Science and the Faculty of Commerce, Karim City College, Jamshedpur in Association with National Academy of Sciences, India (Jharkhand Chapter).

A Report

The workshop was conducted in four consecutive sessions i.e., the Inaugural Session and followed by two technical sessions and a Valedictory session. The Inaugural session began with a welcome address by the Principal, Karim City College, Dr. Mohammad Reyaz. Convenor of the Workshop Dr. Md. Moazzam Nazri, who introduced the topic of the workshop, chairman National Academy of Sciences, India (Jharkhand Chapter) Dr. Arvind Sinha, who delivered his views about the workshop.

Dr. I Chatteraj, Director of CSIR-NML Jamshedpur was the Chief Guest in the Inaugural Session and Dr. Karunesh Kumar Shukla, Director of National Institute of Technology Jamshedpur was the chief guest in Valedictory Session.

The discussions of the workshop was divided into five parts and five resource persons namely Dr. D.K. Mitra from Jamshedpur Cooperative College, Jamshedpur, Dr. Abhilash Principal Scientist, CSIR-NML, Jamshedpur, Mr. Waris S. Imam Principal, Al-Kabir Polytechnic Jamshedpur, Dr. P.K. Pani, Finance Officer, Kolhan University, Chaibasa and Dr. Mohammad Ashiq Hassan, Department of Mechanical Engineering, National Institute of Technology Jamshedpur, delivered their views on the respective topics in different dimensions of the topic.

In the Inaugural session, the program was conducted by Dr.G. Vijayalakshmi, and a vote of thanks was offered by Dr. Aftab Alam Khan, Organising Secretary of the Workshop while the Valedictory Session was conducted by Dr.Zahid Perwaiz and the Vote of thanks was offered by Dr. Md. Tufail Ahmad. At the end Dr. Md. Moazzam Nazri, Convenor of the workshop presented the report of the workshop.

Dr.Arvind Sinha, chairman ,NASI (Jharkhand Chapter),Dr. Abhilash, Principal Scientist CSIR-NML Jamshedpur, Dr. Mohammad Zakaria, Secretary, Karim City College and Director of Education, Karim's Trust, Jamshedpur and Principal, Dr. Mohammad Reyaz, Karim City College played a pivotal role in making the program successful.

Two technical sessions one in pre lunch session and the other in the post lunch session were organized.

Technical Session -I

Dr.D.K.Mitra , Senior Faculty, Department of Commerce, Jamshedpur Cooperative College, Jamshedpur (Former head PG. Department of Commerce, Kolhan University, Chaibasa) delivered his speech on "**NEP 2020: A visionary roadmap for transforming Indian education towards entrepreneurial skill development, innovation and research**" and concluded that in NEP 2020 there is a move from 'knowledge based education' to Knowledge and Skill based education. In fact we are empowering education to produce knowledge, innovation and skill. The focuses areas of the reforms seek to cultivate "21st century skills" among students including critical thinking problem-solving, creativity and digital literacy. This would encourage decision making and innovative practices. NEP, if implemented properly can transform education to empower and learn to lead. India must now have NEW Research based path to the Post Pandemic road to economic growth.

Dr. Abhilash, Principal Scientist, CSIR-NML, Jamshedpur described in his speech on **Innovative Approaches to Remediate Issues in Basic Science, Research & Education-An Adaptive Competence Development Approach**. He emphasized to incorporate state-of-the-art knowledge about inquiry-based methods in science into effective professional development programs for teachers, with the intent to improve student's attitudes, motivation and career choice disposition towards science. He also discussed **Adaptive Competence Method** in his talk.

Mr. Waris S. Imam Principal, Al-Kabir Polytechnic Jamshedpur, opined on **NEP & Environmental Science**. In his interaction, he deliberated that, if India was to take a leadership role at the global stage, then the adoption of a new education policy along with various other global sustainable goals was a must. Each and every Indian needed to understand that they need to contribute actively and get involved creatively and positively to make India pollution-free and greener so that we provide an amicable environment for teaching and learning, in the process of realizing our dream.

Technical Session-2

Dr.P.K. Pani, Finance Officer Kolhan University, Chaibasa articulated in his speech on **Ecosystem for multi-disciplinary education, research and funding-quality Academic Research Foundation through National Research Foundation**. He focused on objectives of the NRF (National Research Fund) includes funding of competitive peer-reviewed grant proposals of all types, facilitating research at academic institutions, funding of research infrastructure, increasing of India's role and participation in key areas of national and global importance, acting as a liaison and coordinating.

Dr. Mohammad Ashiq. Hassan Department of Mechanical Engineering, National Institute of Technology, Jamshedpur in his talk on **National Education Policy on Higher Education; Challenges and Solutions Holistic and multi-disciplinary education-Integrating**

Humanities, Arts with Sciences STEM (Science, Technology, and Engineering & Mathematics). In his talk he described that a multidisciplinary and holistic approach in education is instrumental in developing integrated individuals. It is a ground-breaking move as it helps the students to learn sciences, technologies, mathematics with liberal arts, humanities, languages, social sciences, professional skills, vocational skills, ethics, morality, human values and so on at the same time. This integrated approach can make students more marketable in today's workforce.

The grant of ₹40,000 (forty thousand) was sanctioned by the NASI (Jharkhand Chapter) on reimbursed basis.

More than 100 participants from different institutions like, Jamshedpur Cooperative college, Jamshedpur Workers College, LBSM College, Netaji Subhas University, Al-Kabir Polytechnic Tata college Chaibasa, Ghatshila College, Ghatshila, PG Departments of Kolhan University, Karim City College, Jamshedpur etc. attended the workshop and received certificates in the valedictory session by the chief guest Dr. Karunesh Kumar Shukla, Director of the National Institute of Technology, Jamshedpur and the chairman, NASI (Jharkhand Chapter) Dr. Arvind Sinha.

Organising Committee and other faculty members and non teaching staff contributed actively and played an important role towards making the program a success.

In short it will not be exaggerating to say that the workshop managed to create better awareness and explained the role of each academician has to play with regards to NEP 2020.



Dr. Md. Moazzam Nazri (Convenor)

HOD & Faculty In-charge of Commerce

Karim City College, Jamshedpur (Jharkhand)