
Envisioning Tomorrow's University — NIT, Raipur, Visioning Workshop
National Institute of Technology, | 12 September 2025 | National Visioning Conference

1. Overview

The National Visioning Conference brought together eminent leaders, researchers, and policymakers to deliberate on the future of higher education in India. The one-day conference focused on evolving stakeholder expectations, transdisciplinary education, and creating a roadmap for globally connected, skill-based education.

2. Key Highlights

- Reframing the central question from “What do we teach?” to “Why should a university exist at all?” and whether it is a teaching or learning institution.
- Strong call for market-fit, transdisciplinary research that is deeply connected to regulation, industry, and societal needs.
- Recognition that student attention spans, shallow reading, and memory outsourcing demand a redesign of pedagogy, not just more content.
- Emphasis on culture-led governance where autonomy, empathy, and faculty well-being are prerequisites for any structural reform.
- A “multiversity” vision that adds the local community as a fourth helix alongside government, industry, and academia.
- Reassertion that global stature requires not only mobility and MoUs, but ethics, imagination, and sustainability of human experience at the core.

3. Objectives of the Workshop

- Reposition higher education for evolving societal expectations
- Advance transdisciplinary curriculum and pedagogy
- Integrate technology & AI for academic transformation
- Strengthening governance and academic ecosystems
- Expand India's global academic footprint

4. Participants & Institutions

The workshop convened senior leaders and faculty from:

1. Dr. G C Deka Director (incharge)/HoD, Regional Directorate of Skill Development & Entrepreneurship ,Chhattisgarh Regional Directorate of Skill Development & Entrepreneurship
2. Mr. Vaibhav Agrawal, Consultant, Skill Development, NSDC, Chhattisgarh
3. Dr. Vijayalaxmi Biradar, Director IQAC, Kalinga University Raipur
4. Dr. Varaprasad Kolla, Director and Professor, Department of Biotechnology, Amity University Chhattisgarh
5. Dr. Vinay Kumar Singh, Professor & Dy. Director, Computer Science & Engineering, Amity University Chhattisgarh

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6. Dr. Shanti Swarup Dubey, Associate Professor, Mathematics, ICFAI University Raipur
 7. Dr Manish Manoria, Pro VC, Rungta Educational Foundation, Rungta Group of Institutes (R1), Bhilai, CG
 8. Dr. Ajaya Kumar Singh, Professor & Principal, Department of Chemistry, Govt. V. Y. T. PG. Autonomous College, (College with Potential for Excellence) Durg, Chhattisgarh, India
 9. Prof. Pankaj Kumar Mishra, Professor, Department of Biomedical Engineering and Bioinformatic, Chhattisgarh Swami Vivekanand Technical University, Newai, P.O. Newai, District-Durg, Chhattisgarh, Pin-491107
 10. Prof. Manoj Kumar, Professor, CSE, Guru Ghasidas Vishwavidyalaya
 11. Prof. Ganesh P Shukla, Professor, Department of Industrial Production Engg,GGV,Bilaspur
 12. Prof. Ram Gopal Kashyap, Professor, Department of Computer Science and Engineering Guru Ghasidas Vishwavidyalaya, Bilaspur, India
 13. Dr. Amit Kumar Chandanan, Associate Professor, CSE
 14. Prof. Ratnesh Tiwari, Professor, Physics, CV Raman University
 15. Dr. Kavita Thakur, Professor, SOS in Electronics and Photonics Pt. Ravi Shankar Shukla University, Raipur (C.G.), India
 16. DR. JITENDRA KUMAR PREMI, Professor, Anthropology Department, Pt. Ravi Shankar Shukla University, Raipur (C.G.), India
 17. Dr. Kiran Dubey, Assistant Professor, Department of Computer Science, Govt. N. P. G. College of Science,Raipur
 18. Dr. Brijesh Patel, Associate Professor, Mechanical Engineering, MATS University
 19. Dr. Mithilesh Singh, Professor, Electrical Engineering, Shri Rawatpura Sarkar University
 20. Dr. Surendra Kumar Patel, Assistant Professor, Govt. N. P. G. College of Science, Raipur
 21. Dr. Amit Agrawal, Associate Professor, Management, IIIT–Naya Raipur
 22. Dr. Anurag Singh, Associate Professor, ECE, IIIT–Naya Raipur
 23. Dr. Raishree Vijayvargivya, Assistant Professor, Plastic Technology, CIPET Raipur
 24. Dr. M.K Dwivedi, Assistant Professor, Biochemistry
 25. Dr. Dilip Singh Sisodia, Associate Professor, CSE, NIT Raipur
 26. Dr. Nitesh Kumar Bharadwaj, Assistant Professor, CSE, NIT Raipur
 27. Dr. Anuj K Shukla, Assistant Professor, Mech. Engg., NIT Raipur
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28. Dr. R.N. Patel, Associate Professor, Electrical Engg., NIT Raipur
 29. Dr. Rupesh Kumar Dewang, Associate Professor, IT, NIT Raipur
 30. Dr. (Mrs.) Kavita Tapadia, Professor, Chemistry, NIT Raipur
 31. Dr. Ayush Khare, Professor, Physics, NIT Raipur
 32. Dr. Manwendra K. Tripathi, Associate Professor, Metallurgical and Materials Engineering, NIT Raipur
 33. Dr. Meena Murmu, Associate Professor, Civil Engg., NIT Raipur
 34. Dr. Suresh Kumar Rajana, Associate Professor, Mech. Engg., NIT Raipur
 35. Dr. J. Anand Kumar, Associate Professor, Chemical Engg., NIT Raipur
 36. Dr. Suwendu Rup, Associate Professor, IT, NIT Raipur
 37. Dr. R.N. Shukla, Associate Professor, CSE, OP Jindal University (OPJU), Raigarh
 38. Dr. Saroj Chandra, Associate Professor, Centre of Excellence in Robotics & Drone Technology, CSE, OP Jindal University (OPJU), Raigarh
 39. Dr. Rakesh Pandey, Assistant Professor, Civil Engg., Amity University, Chhattisgarh

Convener: Dr. Anuradha Kanade, Program Director, Department of Computer Science and Applications, MIT WPU

Team Member: Dr. Pradeep Kumar Tiwari, Associate Professor, Department of Computer Science and Applications, MIT-WPU

Total Delegates: 39

The workshop brought together a diverse mix of university leaders, faculty, researchers, and industry practitioners engaged in transdisciplinary and governance reform across Chhattisgarh and beyond.

5. Thematic Insights

Theme 1: Evolving Higher Education Ecosystem and Stakeholder Expectations

The first theme focused on how higher education institutions must continuously evolve to meet the changing demands of students, industries, and society. Discussions highlighted the urgent need to align academic programs with real-world skill requirements and industry expectations.

- **Key Reflections:** Participants emphasized that employability and global readiness should be central to curriculum design. Strengthening collaboration between academia, industry, and policy-making bodies was seen as a crucial step in bridging the gap between knowledge and practice.
- **Key Takeaway:** Stronger academia-industry partnerships, dynamic feedback mechanisms, and continuous curriculum updates are essential to ensure students remain competitive in a rapidly changing job market.

Theme 2: Transdisciplinary Curriculum Development and Pedagogy

The second theme explored innovative approaches to designing curricula that integrate multiple disciplines and prepare students for holistic learning.

- **Participant Voices:**
 - *Dr. Mithlesh Singh* recommended incorporating journalism, media, and photography within engineering and science curricula to broaden students' perspectives and foster creativity.
 - *Anurag Singh* emphasized a practical-first approach with his statement: "*Skill first, theory second, then project development.*"
 - *Alumnus Sujal* underlined that skill-focused education equips students with the resilience to face real-world challenges effectively.
- **Key Takeaway:** Transdisciplinary pedagogy must focus on blending technical, creative, and social skills. By integrating emerging fields and prioritizing hands-on learning, institutions can prepare students to become adaptable and innovative leaders.

Theme 3: Institutional Governance for Transdisciplinary Education

The third theme underscored the importance of governance structures that support academic innovation, inclusivity, and accountability.

- **Key Reflections:** Transparent and participatory governance models are essential to manage the complexities of transdisciplinary education. The role of policy, leadership, and collaboration with industries and communities was strongly emphasized.

- *Dr. J. Anand Kumar* suggested actively promoting innovation by encouraging technology transfer from academic research to the industrial sector, thereby strengthening the relevance and applicability of institutional research.
- **Key Takeaway:** Institutions must adopt governance systems that encourage innovation, inclusivity, and technology transfer while ensuring accountability and alignment with national and global goals.

Theme 4: Roadmap for a Global Indian University

The final theme addressed India's aspirations to establish globally recognized institutions by blending modern education with cultural values.

- **Participant Voices:**
 - *Prof. Ayush Khare* appreciated the choice of Goa for setting up a transdisciplinary university, citing its clean environment and supportive cultural ecosystem as conducive for world-class education.
 - *Dr. Manvendra Tripathi* praised the “*revolutionary idea of integrating peace and spirituality into education*”, highlighting its potential to set Indian institutions apart globally.
- **Key Takeaway:** The roadmap to a Global Indian University should include international collaborations, sustainable practices, and a strong focus on combining technology with India's cultural heritage to nurture well-rounded, future-ready graduates.

The following insights and recommendations emerged during the discussions:

1. Integrating Transdisciplinary Approaches

Dr. Mithlesh Singh, HOD of Electrical Engineering at Shri Rawatpura Sarkar University, Raipur, emphasized the critical importance of **integrating disciplines such as journalism, law, photography, and media studies into engineering and science curricula**. He highlighted that such interdisciplinary approaches prepare students to address complex, real-world challenges. Dr. Singh recommended the **regular**

organization of workshops and conferences, which serve as platforms for **sharing innovative ideas and promoting transdisciplinary education**.

2. Strategic Campus Location and Global Recognition

Prof. Ayush Khare, Professor of Physics at NIT Raipur, appreciated the selection of **Goa as the site for MIT World Peace University's new campus**, citing its serene environment, cleanliness, and global appeal. He noted that the location could significantly enhance the university's **international visibility and recognition**, aligning well with the vision of providing **holistic, globally relevant education**.

3. Bridging Academia and Industry

Dr. V. Balasubramanian, faculty member at Amity Institute of Biotechnology, Raipur, stressed the importance of **technology transfer from academia to industry**. He recommended that universities not only focus on **research and invention** but also actively encourage **industrial collaborations**, which are vital for **sustainable economic growth**.

4. Emphasis on Practical Learning

Dr. Anurag Singh, Associate Professor at IIIT Raipur, advocated for a **shift from theory-based teaching to skill-based and project-based learning**. He emphasized that **hands-on experience and practical exposure** are essential for preparing students to tackle real-world problems and develop innovative solutions.

5. Skill Development and Vocational Training

Mr. Vaibhav Agarwal, State Engagement Officer at the National Skill Development Corporation (NSDC), reinforced the value of **skill education and vocational courses**. Such programs equip students with the **competencies necessary to address real-world challenges** and contribute meaningfully to national development.

6. Preparing for Industry-Ready Graduates

Mr. Sujal Bhoi, an alumnus of MIT-WPU, highlighted the role of practical, skill-based education in enabling students to face professional challenges effectively. He encouraged academic leaders to prioritize **hands-on exposure**, ensuring that graduates can apply their knowledge effectively in industry and society.

7. Integrating Peace and Spirituality in Education

Dr. Manvendra Kumar Tripathi appreciated the innovative integration of **peace and spirituality within education**. He lauded the conference theme and discussions, noting that this approach adds a **unique, transformative dimension to higher education**, fostering the holistic development of students—professionally, ethically, and socially.

Conference Reflections and Outcomes

- Collaboration opportunities with NIT Raipur for IEEE International Conference.
- Proposal for expansion of MIT-WPU Goa campus with 50-acre lease in Naya Raipur.
- NIT Raipur's assurance for forensic science syllabus and Degree++ modules.
- Agreement to support curriculum design and development with partner institutions.



Inaugural Function



Address by Prof. Dr. Dilip Singh Sisodia, HoD, CSE, NIT, Raipur



Panel Discussion



Panel Discussion



Thought Provoking Discussion based on Theme



Group Photo of Delegates