

**MINUTES OF THE 28th ACADEMIC COUNCIL HELD ON 11th December 2023 IN
THE INSTITUTE'S BOARD ROOM.**

No. NITTTR/AC/Min-XXVII/2023/1

Date: 15th Dec. 2023

Director, NITTTR Bhopal, chaired the twenty-Eighth meeting of the Academic Council (AC) held on 11th December 2023 at 11.30 AM in the Institute's Board Room. The following members were present in the meeting.

1. Dr. C. C. Tripathi, Chairman, Academic Council & Director, NITTTR, Bhopal
2. Dr. S. K. Verma, Vice Chancellor, Bihar Engineering University, (External nominated member)
3. Dr. R. Kanhare Ex VC & Chairman, Admission and Fee Regulation Committee Govt of M.P (External nominated member)
4. Dr. Ashutosh Kumar Singh, Director IIIT., Bhopal (External nominated member), Joined Online
5. Dr. Sathans Suhag, Professor, NIT Kurukshetra (External nominated member)
6. Mr. Shishir Sinha, DG, CIPET, Chennai, (External nominated member), Joined Online
7. Dr. Anil Kothari, DG, MPCST, Bhopal (External nominated member)
8. Dr. Sudheer Bhadoria, Director UIT, RGPV, Bhopal (External nominated member)
9. Dr. Mahendra R Chitlange, Secretary MSBTE (External nominated member)
10. Dr. Chandra Shekhar Singh, Secretary SBTE (External nominated member)
11. Dr. Ravi Prakash Tewari, Professor, MNIT Prayagraj, (External nominated member)
12. Dr. Pankajray Patel, Director, School of Management, Gujarat Technological University, (External nominated member – Representing VC, GTU)
13. Dr. Shashi Ranjan Akela, Professor, RGPV, Bhopal (External nominated member)
14. Dr. K. K. Jain, Member
15. Dr. B. L. Gupta, Member
16. Dr. A.K. Jain, Member
17. Dr. J. P. Tegar, Member
18. Dr. Anju Rawlley, Member
19. Dr. Aashish Deshpande, Member
20. Dr. C. S. Rajeshwari, Member
21. Dr. P. K. Purohit, Member
22. Dr. S.S. Kedar, Member
23. Dr. M.A. Rizvi, Member
24. Dr. Ravi Kant Kapoor, Member
25. Dr. Ajay K. Sarathe, Member
26. Dr. A.S. Walke, Member
27. Dr. V.D. Patil, Member

28. Dr. Pallavee Bhatnagar, Member
29. Dr. Lem Suvarna Raju, Member
30. Dr. Seema Verma, Member
31. Dr. Vipin Kumar Tripathi, Member
32. Dr. K. Manickvasgam, Member
33. Dr. Deepak Singh (nominated, Associate Professor)
34. Dr. Ranjit Singh Chouhan (nominated, Associate Professor)
35. Dr. Anjana Tiwari, Member (nominated, Assistant Professor)
36. Dr. Bashirullah Shaik, Member (nominated, Assistant Professor)
37. Dr. Sanjay Agrawal, Member Secretary, Academic Council.

The following could not attend the meeting.

1. Dr. R.P. Khambayat, Member
2. Dr. R. K. Dixit, Member
3. Dr. Parag Dubey, Member
4. Dr. R.B. Shivagunde, Member
5. Dr. Alan Rocha, Member
6. Dr. Nishith Dubey, Member
7. Dr. Subrat Roy, Member
8. Dr. Vandana Somukuwar, Member

The Chairman of, the Academic Council, welcomed the external nominated members and Internal members of the academic council. With the permission of the Chair, the member secretary placed the agenda items. The following were resolved in the meeting after detailed discussions.

Agenda No. 28.1 To confirm the minutes of the 27th meeting of the Academic Council held on 23rd September 2022

It was informed to the house that the minutes of the 27th Academic Council meeting held on 23rd September 2022 were circulated amongst the members. No Comments have been received to date.

Resolution: The Academic Council confirmed the minutes of the meeting of the 27th (twenty-seventh) academic council meeting.

Agenda No. 28.2 Action Taken report on the minutes of the 27th meeting of the Academic Council held on 23rd September 2022.

The action taken report was tabled on the agenda items of the 27th Academic Council in the house, and the same was approved.

Resolution: Academic council approved the agenda items of the 27th Academic Council held on 23rd September 2022.

Agenda 28.3 To consider the recommendations of Board of Studies of the respective departments to offer new UG and PG Programmes and their curriculum structure.

Member Secretary informed that Institute received letter of intent for the Deemed to be University (under De-novo category) under Section 3 of the UGC Act, 1956 by letter no F.No.9/5/2020-U.3(A) from Ministry of Education dated 25 September 2023.

The Board of studies are formed by each of the department for offering UG and PG level courses. Four departments have submitted the proposal for conducting both UG and PG programmes and one department submitted a proposal for PG programme. All Departments of the institute also proposed to offer UG, PG & Ph.D. Programmes in their relevant area/ multidisciplinary areas with academic session commencing in the month of July 2024.

S.No.	Department	UG Programme	PG Programme
1.	Department of Computer Science and Engineering Education	B. Tech. in Computer Science and Engineering (Artificial Intelligence and Machine Learning)	M.Tech. in Computer Science and Engineering (Big Data Analytics)
2.	Department of Mechanical Engineering Education	B. Tech. in Mechanical Engineering (Mechanical & Smart Manufacturing)	M.Tech. in Mechanical Engineering (Computer Aided Design, Manufacturing and Automation)
3.	Department of Electrical and Electronics Education	B. Tech. in Electronics Engineering (VLSI Design and Technology)	<ul style="list-style-type: none"> • M.Tech. in Green Energy Technology • M.Tech. in VLSI & Micro Electronics
4.	Department of Civil and Environment	B.Tech. Civil Engineering (Infrastructure)	M.Tech. in Civil Engineering (Transportation)

	Engineering Education		Engineering and Planning)
5.	Department of Management Education	--	MBA

Chairman Academic council elaborated that Institute has strategic focus on Educational Programs in multidisciplinary subjects to address the 21st century needs of Industry and society in particular. These programmes also aims to cater to students aspiring to become teachers while simultaneously addressing the crucial aspect of faculty growth within Higher Education Institutions (HEIs). Academic council was also informed regarding the following key features of the proposed programmes offered by the Institute:

- Outcome-Based, Learner centric curriculum with comprehensive and balanced mix of core discipline technology and educational technology, empowering students to excel in impactful teaching, research, and service to the Industry. It is proposed that Pedagogy content will be around 10 % to 20 % in UG programmes and about 15% to 20% in case of PG level programmes.
- Flexible curriculum structure with credit-based courses with an option of Multi-Entry and Exit, which serves as a significant motivator, enabling students to contribute to the design and redesign of curricular and pedagogical approaches. Multiple exit and Entry are also provided in each year. Students will also be having option to continue with 4-year UG programme and exit, or they can opt for continuing with 5-year Integrated PG programme. The students will also able to choose their carrier path by provision of minors along with major / discipline specific programmes/courses offered.
- Holistic and multidisciplinary educational programmes that nurtures intellectual, aesthetic, social, physical, emotional, and moral capacities in an integrated manner. This will be achieved with innovative way of curriculum implementation such as Problem and Project based learning, opportunities for self-learning, providing Industry connect, assigning inter-disciplinary project, emphasis on project management and finance, concern for professional ethics, environment and society etc. Advance techniques like AR/VR along with gaming for education / learning will be offered to make education more interesting and enjoyable.
- Programmes will include proper mix of arts, humanities, languages, sciences, social sciences, social engagement. The proposed pedagogy emphasizes soft skills, such as communication, discussion, debate, and cross-disciplinary thinking, ensuring a comprehensive learning experience.

Chairman Academic council also informed that to achieve the goal of holistic and multidisciplinary education, NITTTR Bhopal is going to design flexible and innovative curricula of these UG and PG programmes, incorporating credit-based courses with an option of Multi- Entry and Exit and projects in community engagement, environmental education, Bhartiya Knowledge System, and value-based education.

Approach and philosophy followed for identification of pedagogy course and their need to incorporate in UG and PG programmes is also informed to the council by Dr. K.K. Jain. Same was also presented for core discipline courses before the academic council.

After detailed deliberations on the approach of designing the curriculum structure of the proposed UG and PG programmes, members approved the recommendations of Board of Studies of the respective departments to offer new UG and PG Programmes and their curriculum structure.

Resolution: Academic council approved the UG and PG programmes and their names proposed by various departments.

Additional Item A28.1 To consider the Revised DPR to attain the Deemed-to-be-University status under a Distinct Category and Its requirement for the various schools of study.

Member Secretary presented additional item A28.1 and informed that Institute received letter of intent by letter no F.No.9/5/2020-U.3(A) from Ministry of Education mentioned that institute has to propose names of the proposed school in compliance to become Deemed to be University (under De-novo category).

Chairman academic council informed that, Institute in its pursuit of academic excellence and comprehensive education, proposed a structured framework through four distinguished Schools. Each School will be overseen by a Dean, and within each School, there will be one or more departments, each under the leadership of a Head of Department (HoD).

Following Schools and departments were proposed:

1. School of Engineering and Technology
 - Department of Civil Engineering
 - Department of Mechanical Engineering
 - Department of Electrical Engineering'
 - Department of Electronics Engineering
 - Department of Computer Science and Engineering

2. School of Sciences

- Department of Physics
- Department of Chemistry
- Department of Mathematics
- Department of Pharmacy

3. School of Management Studies

- Department of Management
- Department of Economics

4. School of Creative Education and Liberal Arts

- Department of Vocational Education & Entrepreneurship
- Department of Education Technology
- Department of Psychology
- Department of Design, Arts and Performance
- Department of Philosophy, Anthropology
- Department of Languages and Culture
- Department of Women and Gender Studies

After detailed deliberations council members approved the name of the proposed schools and the proposed departments with in the proposed schools.

Council members were also informed that Institute has already setup five centers viz. (1) Centre of Excellence (Siemens), (2) Centre of Experiential Learning, (3) Innovation and Incubation Hub, (4) Centre of Excellence for OSAT/ATMP for Semiconductor Industry, (5) Centre for Green Technologies. These five centers have already been approved in earlier AC and BOG. With Deemed University status four more centers is proposed for addressing broadened scope of institute for wholistic development.

1.Centre for Excellence in Academic Leadership (CEAL): Focus: Empowering educators with leadership skills through cutting-edge training programs and research, nurturing future leaders for higher education institutions.

2. Center for Excellence in Curriculum Pedagogy (CECP): Focus: Enhancing the capacity of teachers and academic staff through professional development programs and research opportunities, aligned with UGC guidelines.

3.Centre for Research and Development (R&D): Focus: Promoting innovative research and development initiatives across all academic disciplines, fostering knowledge creation, and contributing to national development.

4.Centre for Indian Knowledge Systems (IKS): Focus: Preserving and disseminating India's rich cultural heritage through IKS, integrating its timeless wisdom into teacher education for a holistic and sustainable future.

Members appreciated the establishment of proposed canter. It was also suggested that the name of the "Centre for Indian Knowledge Systems (IKS)" to be changed to "Centre for Indian Knowledge Systems (IKS) – Bhartiya Gyan Parampara".

Resolution: The Academic council approved the proposal of opening above faculties (Schools) and department as proposed and finalized with detailed discussion.

Item No. 28.4 Any other matter with the permission of the chairman

No item is presented with the permission of the chair.

The meeting concluded with a vote of thanks to the chair and the esteemed members.

Sd/

Dr. Sanjay Agrawal

Member Secretary, Academic Council

Sd/

Dr. C.C. Tripathi

Chairman, Academic Council

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1. All members of the Academic Council
2. PA to Director for kind information to the Director;

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