



### Minutes of 11<sup>th</sup> Academic Council Meeting

Minutes of the meeting of 11<sup>th</sup> Academic Council (AC) held on 29-07-2023, at 10.30am in the Hybrid Mode under Chairmanship of Prof. R. A. Kanai, Executive Director, ADCET, Ashta. The Chairman welcomed members present for the Academic Council meeting. Following members were present for the Academic Council Meeting (Annexure -I: Attendance Sheet).

Sr. No	Name	Position
1.	<b>Prof. R. A. Kanai</b> Executive Director	Chairman
2.	<b>Dr. B. N. Chaudhari</b> Principal, Sardar Patel Institute of Technology, Mumbai.	Member
3.	<b>Dr. V. S. Bandal</b> Principal, Government Polytechnic, Pune.	Member
4.	<b>Dr.G.R.Munavalli</b> Professor, Walchand College of Engineering, Sangli	Member
5.	<b>Dr.S.A.Pardeshi</b> Principal, Government Residence Women Polytechnic, Tasgaon	Member
6.	<b>Dr. S.M.Pise</b> Professor, Department of Mechanical Engineering, KIT's College of Engineering, Kolhapur	Member
7.	<b>Dr. D. B.Kulkarni</b> Professor, Department of Information Technology, Walchand College of Engineering, Sangli	Member
8.	<b>Dr. H.S.Jadhav,</b> Professor, Department of Civil Engineering, Rajarambapu Institute of Technology, Islampur	Member
9.	<b>Dr. S. P. Chavan</b> Dean, Consultancy & Community Outreach, ADCET, Ashta	Member
10.	<b>Prof. S. B. Hivarekar</b> Dean Administration, ADCET, Ashta	Member
11.	<b>Dr. V. B. Patil</b> Controller of Examinations, ADCET, Ashta	Member
12.	<b>Dr. P. D. Kulkarni</b> Dean, Corporate Relationsm ADCET, Ashta	Member
13.	<b>Dr. A.N.Jadhav</b> Dean R&D, ADCET, Ashta	Member
14.	<b>Prof. K. J. Burle</b> Dean Quality Assurance, ADCET, Ashta	Member
15.	<b>Dr. M.M.Jadhav</b> HoD, Mechanical Engineering, ADCET, Ashta	Member



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16.	<b>Dr. S. S. Sayyad</b> Dean Training & Placement & HoD, Computer Science & Engineering, ADCET, Ashta	Member
17.	<b>Dr. Balakrishnan P</b> HoD, Electrical Engineering, ADCET, Ashta	Member
18.	<b>Prof. S. S. Mohite</b> HoD, Civil Engineering and Basic Sciences, ADCET, Ashta	Member
19.	<b>Prof.L. Krishna Kumar</b> HoD, Artificial Intelligence and Data Science, ADCET, Ashta	Member
20.	<b>Prof. Kiran Babu K.M</b> HoD, Aeronautical Engineering, ADCET, Ashta	Member
21.	<b>Dr. V. D. Talnikar</b> HoD, Food Technology, ADCET, Ashta	Member
22.	<b>Dr. Gopinath S</b> Dean Academics, ADCET, Ashta	Member- Secretary

Dr. Vikram S Patil and Mr. Nitin Zanvar is unable to attend meeting due to their personal reason. The chairman allowed carrying the proceedings of the Academic Council.

**Agenda Item No.1: To confirm the minutes of 10<sup>th</sup> Academic Council held on 08/04/2023.**

**Discussion and Resolution:** With permission from Chairman; Member Secretary read the minutes of 10<sup>th</sup> meeting of Academic Council held on 08/04/2023. All members present confirmed the minutes of said meeting.

**Agenda Item No.2: To place before the Academic Council the action taken on the decisions of its 10<sup>th</sup> Academic Council (AC) held on 08/04/2023.**

**Discussion and Resolution:** On April 8, 2023, the 10th Academic Council (AC) offered suggestions related to the NEP complaint curriculum and to enhancing the teaching learning process and to imparting skills enhancement among learners. The NEP 2020 Four Year Multidisciplinary Engineering Curriculum Framework offers multifold benefits, were discussed.

The preamble of NEP-2020 aligned curriculum structure for Four Year UG Engineering Program - One Major, One Minor is presented by Dr. Gopinath S, in line with the Guidelines of Government of Maharashtra.



The NEP 2020 Four Year Multidisciplinary Engineering Curriculum Framework has been adopted and confirmed with the following features:

- The ability for learners to choose the courses of their interest across all disciplines;
- Having the freedom to switch between disciplines;
- It offers multiple entry and exit options, with awards ranging from UG certificates to UG diplomas to three-year degrees;
- Flexibility to move between institutions so that learners can acquire multi- and/or interdisciplinary knowledge;
- Learners have the option to switch between alternative modes of learning.
- Mandatory One Semester Internship
- The Distribution of Credits across Four Years Engg./Tech. Degree Programmes at ADCET are stated below.

✓ Major (Core) and Elective Courses	74 - 80 Credits
✓ Basic Science Course	14 - 16 Credits
✓ Engineering Science Course	12 - 14 Credits
✓ Multidisciplinary Minor Courses	14 Credits
✓ Open Elective Courses	08 Credits
✓ Vocational & Skill Enhancement Courses	08 Credits
✓ Ability Enhancement & Value Education Courses (Professional Communication Skills, Psychology Universal Human Values, Constitution of India, Environment Studies, Entrepreneurship,, Project Management and Finance)	14 Credits
✓ Experiential Learning Courses (Innovation / Prototype, In Plant Training, Internship, Mini Project & Project)	18 Credits
✓ Liberal Learning Courses (Co-curricular and Extra- Curricular Activities)	04 Credits

- (i) **Regular B.Tech Under Graduate Degree in Engineering (One Major, Multidisciplinary Minor)** shall comprise of 170 Credits with Year-Wise Credit Distribution of First Year – 40 Credits, Second Year – 45 Credits, Third Year – 45



Credits and Final Year – 40 Credits. A student successfully completes courses comprising 14 credits; he or she will be qualified to receive an undergraduate degree with an additional minor in engineering. These could be obtained by successfully completing the corresponding courses from the different engineering programme baskets outside of the major discipline. The Minor Programme will consist of four courses and a Minor Project that the students will select. These courses must be completed beginning in the Second Year - IV Semester and ending in the Final Year - VIII Semester.

- If a student completes an extra 18 credits (i.e.  $170 + 18 = 188$  Credits), he or she will be qualified for the **(ii) Under Graduate Degree with Honors and Multidisciplinary Minor**. These should preferably be obtained through MOOCs, the title of which will be clearly communicated to candidates who would select the same from the baskets of courses (Major Discipline) offered by their Major Engg./ Tech. department. The Honour Programme will include four courses and an Honor Project that students will select. These courses must be completed beginning in the Second Year - III Semester and ending in the Final Year - VIII Semester.
- If a student completes an additional 18 credits (i.e.  $170+18 = 188$  Credits), he or she will be qualified for the **(iii) Under Graduate degree with Honors with Research and Multidisciplinary Minor**. An extra 18 credits will be obtained through a Course titled “Research Methodology” (VI Semester) of 4 credits and the remaining 14 credits will be obtained through the Research Project (Dissertation) in Semesters VII and VIII of the Fourth Year. In this scenario, it is required to publish two research papers on the research topic in reputable research journals.
- If a student completes an additional 14 credits (i.e.  $170+14 = 184$  Credits), he or she will be qualified for **(iv) Under Graduate degree with Major Engineering Discipline and Double Minors (Multidisciplinary and Specialization Minors)**. These might preferable be obtained through MOOCs, the title of which will be clearly stated to student who choose the same from specialized disciplines offered by their Major Engg./ Tech. department. The MOOCs will be completed across four years, beginning in the second year.



- Members appreciated the Multidisciplinary Curricular Framework and its features, that information are seen as a way to provide a more comprehensive and integrated education.

**Agenda Item No.3 : To discuss and approve the NEP Complaint Curriculum Structure and Second Year Contents of 8 UG Programmes.** (Mechanical, CSE, Electrical, Civil, Aeronautical, Food Tech, Artificial Intelligence and Data Science and CSE – IoT and Cyber Security Including Block Chain Technology).

**Discussion and Resolution:**

- The First Year B. Tech New Curriculum Structure and its Syllabus Content were approved in the 10<sup>th</sup> Academic Council Meeting with reference to the suggestions made at the 9<sup>th</sup> Academic Council Meeting.
- With reference to the NEP guidelines, the preamble of Board of Studies, Saliency of NEP Complaint Curriculum Structure and Second Year Contents of 8 UG Programmes were presented by Respective Heads of the Departments.
- AC members have approved the Curriculum Structure for implementation with the following suggestions to address the NEP complaint and augmentation of Teaching Learning Process with skill enhancement among learners.
  - The number of course heads has to be minimized in a particular semester. In this regard, integrating theory and practical courses has several benefits for students. It can enhance learning, improve student engagement, develop global competency, and make learning more meaningful and relevant. It can provide opportunities for students to actively apply their knowledge and skills, leading to deeper understanding and validation. AC members conveyed that it can be deliberated and decide appropriately from the implementation point of view.
  - There need to bring the transformation in the Class room teaching through comprehensive approach. Identify and adopt the several pedagogical changes to make education more responsive, relevant, and engaging in line with NEP 2020.
  - It has been suggested to use open-source software instead of specified software for programming level courses. Using open-source software in programming level



courses can align with the NEP 2020 by promoting cost-effectiveness, customization, community support, transparency, and educational value.

- Incorporate project-based learning into the curriculum to provide more opportunities for students to work on projects. This approach can help students to develop critical thinking and problem-solving abilities. Industrial and live problems need to be addressed which will enhance their skills and widen their trajectory towards industry ready.
- Special focus should be given for inclusion of GATE syllabus in the curriculum which will be helping students prepare for the exam, encouraging deeper learning, and aligning with industry requirements.
- Incorporate PBL into the curriculum, provide opportunities for group work, develop authentic problems, encourage self-directed learning, and provide feedback and assessment to support student learning.
- Develop bridge courses with specific requirements that students must complete while transferring to the new branch. An undertaking could be obtained that there may be chance for extension of programme duration to earn additional credits to bridge the gap. Such additional courses need to be reflected in their Grade Sheets.

**Agenda Item No.4: To discuss and approve the TY Curriculum Contents (Revision 0) of 2 UG Programmes.** (Artificial Intelligence and Data Science and CSE – IoT and Cyber Security Including Block Chain Technology).

**Discussion and Resolution:**

- Preamble of recently held Board of Studies (BoS) meeting and Third Year B.Tech Syllabus of 2 UG Programmes was presented by respective Head of the Departments.
- The approval was granted by Academic Council Members.

**Agenda Item No.5: To discuss on alignment of the examination system with the new curriculum structure in line with NEP 2020.**

**Discussion and Resolution:**

- The Controller of Examinations (CoE) has proposed the changes to be made in the Examination System and explain about the comparison between Existing System and Proposed System.



- AC Members has deliberated that appropriate promotion need to be happened in flexibility, formative assessment, regular monitoring, holistic assessment, technology integration, and a reduced emphasis on high-stakes exams. There should be shift towards a more comprehensive assessment system, the increased use of technology in education, including assessment. It involves the use of online platforms, digital tools, and automated grading systems etc.
- More focus on competency-based assessment, promotes learning and development, and tests higher-order skills such as analysis, critical thinking, and conceptual clarity.
- The existing examination system can undergo the following changes which are proposed by the AC Members. The approved is accorded to implement from the academic year 23-24 onwards and made applicable for students adopting the New Curriculum Structure since 22-23.
  - ✓ **100 % Examination (Two Grade Penalty) and Re-ESE(One Grade Penalty) is withdrawn; instead a Makeup Examination will be conducted for the students getting backlogs in ESE on every semester.**
  - ✓ **In the case of theory exams, 40% weightage has been given to In-Semester Evaluation (ISE), 30% to Mid Semester Examination (MSE), and 30% to End Semester Examination (ESE).**
- AC Members suggested devising a mechanism depending on the nature of the course and evaluating the performance of the students. They added that Skill based assessment can help instructors gain a deeper understanding of students' learning experiences and identify areas for improvement in the course.
- Robust skill based assessment model need to be developed. Separate yardsticks can help instructors to assess cognitive and psychomotor skills among the learners.

**Agenda Item No.6 : Any other item with the permission of chair**

- ✓ Overall, the implementation of NEP 2020 requires a transformation in mindset, including a shift towards competency-based assessment, a focus on holistic development, encouragement of critical thinking and analytical skills, promotion of skill development, and a commitment to inclusivity and equity in education.



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- ✓ Systemic reforms and desired attributes of teachers have put in place to improve their quality and motivation. Conduction of Teacher Training Programs can help enhance the competency of teachers by equipping them with the necessary knowledge, skills, and pedagogical approaches.

Prof. R. A. Kanai, Executive Director concluded the meeting. Dr. Gopinath S Dean Academics proposed vote of thanks to all members for their presence and valuable suggestions during the meeting.

  
**Member Secretary  
Academic Council**



  
**Chairman  
Academic Council**