Minutes of 10th Academic Council Meeting

Minutes of the meeting of 10th **Academic Council (AC)** held on 08-04-2023, at 10.30am in the hybrid mode under chairmanship of Dr. Vikram. S. Patil, Director – ADCET, Ashta. The Chairman welcomed members present for the Academic Council meeting. Following members were present for the 10th Academic Council Meeting:

Sr. No	Name	Position
1.	**Prof. R. A. Kanai** Executive Director	Management Representative
2.	**Dr. Vikram S. Patil** Director, ADCET, Ashta	Chairman
3.	**Dr. B. N. Chaudhari** Principal, Sardar Patel Institute of Technology, Mumbai.	Member
4.	**Dr. V. S. Bandal** Principal,Government Polytechnic, Pune.	Member
5.	**Dr. S.M.Pise** Professor, Department of Mechanical Engineering, KIT's College of Engineering, Kolhapur	Member
6.	**Dr. H.S.Jadhav,** Professor, Department of Civil Engineering, Rajarambapu Institute of Technology, Islampur	Member
7.	**Prof. M.M.Jadhav** HoD, Mechanical Engineering, ADCET, Ashta	Member
8.	**Prof. S. S. Sayyad** Dean Training & Placement & HoD, Computer Science & Engineering, ADCET, Ashta	Member
9.	**Dr. Balakrishnan P.** HoD, Electrical Engineering, ADCET, Ashta	Member
10.	**Prof. S. S. Mohite** HoD, Civil Engineering and Basic Sciences, ADCET, Ashta	Member
11.	**Prof. Kiran Babu K.M** HoD, Aeronautical Engineering, ADCET, Ashta	Member
12.	**Dr. V. D.Talnikar** HoD, Food Technology, ADCET, Ashta	Member
13.	**Prof. Krishna Kumar. L.** HoD, Artificial Intelligence and Data Science, ADCET, Ashta	Member
14.	**Prof. S. M. Patil** HoD, Automobile Engineering, ADCET, Ashta	Member
15.	**Prof. S. B. Hivarekar** Dean Administration	Member

17.	**Prof. V. B. Patil** Controller of Examinations, ADCET, Ashta	Member
18.	**Dr. A.N.Jadhav** Dean R&D, ADCET, Ashta	Member
19.	**Prof. K. J. Burle** Dean Quality Assurance, ADCET, Ashta	Member
20.	**Dr. Gopinath S** Dean Academics, ADCET, Ashta	Member- Secretary

Dr.S.A.Pardeshi, Dr.G.R.Munavalli, Mr. Nitin Zanvar and Dr. D. B.Kulkarni was unable to attend meeting due to their personal engagements. The chairman allowed carrying the proceedings of the Academic Council.

Agenda Item No.1: To confirm the minutes of 9th Academic Council held on 13/12/2022

Discussion and Resolution: With permission from Chairman; Member Secretary read the minutes of 9th meeting of Academic Council held on **13/12/2022**. All members present confirmed the minutes of said meeting.

Agenda Item No.2: To place before the Academic Council the report about the action taken on the decisions of its **9th Academic Council held on 13/12/2022**

Discussion and Resolution: Report about action taken on the decisions of its 9th Academic Council held on 13/12/2022 is presented by Dr. Gopinath S.

Agenda Item No.	Decisions Taken / Recommendations	Action Taken
3 a) To discuss and approve Curriculum Structure of First Year B. Tech and its Syllabus Content.	**For Department of Electrical Engineering** • The course titled, Analog and Digital Electronics needs to be taught as separate courses. Viz Analog Electronics & Digital Electronics.	In semester II, Basic Electronics Engineering course is replaced with Analog Electronics. In semester III, the course Digital Electronics is offered instead of Analog & Digital Electronics
	For Computer Science and Engineering • Data Communication Course to be shifted from Semester I to Semester II.	Semester II includes a course on Computer Network. So, its pre-requisite course is taken in semester I. To make the curriculum NEP Compliant, Major courses (lighter) are being proposed from Semester I onwards.

	• Python can be included as programming language for First Year in all undergraduate programs. And C Programming course can be taken from second year onwards.	• Python programming is included in subsequent semesters by departments based on their needs. • C programming is being conducted as one basic programming language for all programs. Credits vary for core and CS branches.
b) To discuss and approve New Curriculum Structure of Second Year to Final Year.	**For Mechanical Engineering** • To include more courses related to programming skills useful in Mechanical engineering applications.	• Each semester one or two courses are added which are courses related to Programming skills useful in Mechanical engineering applications. • Along with that AutoCAD, CATIA, Solid works, ANSYS, Hyper mesh are used for different courses. • In all laboratory courses, one experiment is included in which programming skills are used.
	• More emphasis on courses related to Automation and Robotics.	• Mechatronics and Control Engineering are made mandatory courses.
	For Department of Electrical Engineering • Give more emphasis to signal processing along with signals and systems course	• In semester IV, the course signals and systems is replaced with Signal Processing. • It is planned that first 4 units of the syllabus will be covering basic signals & systems and remaining two units will be deal with signal processing and its applications.
	• Following courses need to be included in the curriculum structure 1. Engineering Thermodynamics 2. Industrial Electrical Systems 3. Electrical Machine Design	• Course Engineering Thermodynamics and Electrical Machine Design is included in the list of Professional Electives. • The course Protection & Switchgear in is revised as an Industrial Electrical System & Switchgear Protection, accordingly the syllabus will be revised with LT side electrical components installation, service & maintenance as suggested.

	• The Suggested Professional Elective Tracks are 1. Power Engineering 2. Renewable Energy Systems 3. Embedded Systems & IoT 4 E-Mobility	• The Professional Elective Tracks are revised accordingly.
	General: • To emphasize more on lab courses with reasonable credits allocation in comparative with theory course credits. • Open Elective can have 12 – 18 Credits	• Proper care will be taken to ensure lab courses with reasonable credits allocation in comparative with theory course credits. • Min 4 – 5 Open Elective Courses will be planned to have interdisciplinary of learning by other department will be ensured.

Agenda Item No.3: To approve the first-year structure of the new curriculum for UG programmes with reference to the suggestions made at the 9th Academic Council Meeting.

Discussion and Resolution:

• Members appreciated the action taken report based on the suggestions made at the 9th Academic Council Meeting and approved the First Year B. Tech new Curriculum Structure and its syllabus content.

Agenda Item No.4: Guidelines from the AC members to suggest a curriculum framework from the second year onwards to address the NEP complaint.

Discussion and Resolution:

The following suggestions were given by the AC members to address the NEP complaint curriculum and enhancement of Teaching leaning Process cum imparting skill enhancement among learners. They are:

• Universal Human Values and Indian Knowledge System can be get included.

• AI, Cyber Security, AR/VR courses can be included across all UG Programmes.

• 21st-Century Skills for Students Learning need to be ensured.

• Every Year credits need to be 40 and have multi-disciplinary courses.

• Credits to be allotted for Value Added Courses.

• Skill Council Site need to be referred for bridging the gap between what the industry demands and what the skilling requirements ought to be.

• Project Management Courses to be include for meeting the industry needs.

- Micro and Major Projects for enhancing Project Based Learning, monitor with active learning methods and evaluation. Ensure Quality in Problem with effective implementation and quantifying by assessment with own rubrics which impart real feedback of the activity.

- Increase the Involvement of Industrial personnel for final evaluation of the projects which have multifold opportunities viz good projects can be incubated and direct placement option.

- Student Centric Methods and Peer Learning, learning by doing and Internship of 6-8 weeks need to be incorporated.

- Credit transfer facility, acquiring credit through MOOC Courses and self-learning options.

- Minor Courses need to be offered viz courses from same domain and few from another domain. Certain thrust /allied courses can be added.

- Gradual increase in the percentage of integrated / multidisciplinary projects and start addressing the industrial problems which will impart skill development among students. Industry 4.0 can be included.

- Case studies need to be presented by eminent speakers from industries.

Agenda Item No.5: To discuss and approve the initiatives to be taken by the institute for designing an online feedback system and surveys from all stakeholders.

Discussion and Resolution: The ultimate aim of stakeholder's feedback is to get useful insights for the purpose of improvement in all aspects of teaching, learning, assessment and capacity. The main statements pertaining to PEOs and POs have been used as the foundation for the feedback questionnaire, as indicated by the members for online feedback system and surveys from all stakeholders. Members suggested to have a critical analysis and action plan to have impact on continuous improvement of the system.

Agenda Item No.6: To discuss the students' performance during academic year 2022-2023 (Term I).

Discussion and Resolution: Prof. V. B. Patil (COE) presented the academic performance of students for all classes (FY to Final Year) in End semester Examination for year 2022-2023 (Term I). The result of all classes was appreciated by the AC Members and suggested to include the success index too.

Agenda Item No.7: To confirm the List of Detention of Students.

Discussion and Resolution: Dr. Gopinath S (Dean Academics) presented list of students detained during Term – I (all years) & Term II (B. Tech only) of the Academic Year 2022-2023. Members appreciated the action taken against the students fail to meet the academic requirements to appear for ESE. Members appreciated the decision of the institute to maintain the academic standards.

Agenda Item No.8: To discuss and finalize the inclusion of the Universal Human Values course into curriculum structure and its credit allocation.

Discussion and Resolution: The discussion was carried out that, NEP strongly recommends Universal Human Values to help the student to see the need for developing a holistic perspective of life and to sensitize the student about the scope of life – individual, family, society and nature/existence. AC members suggested that UHV is mandatory course with credits and activity need to be planned meticulously.

It has been decided to revise the SY to B.Tech curriculum structure as per the discussion made and in line with NEP recommendations. Dr. Vikram. S. Patil, (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