

DYP-ATU Initiative for Implementation of NEP 2020

The National Education Policy (NEP) 2020 is a comprehensive policy framework introduced by the Government of India to bring transformative reforms across all levels of the education system, with a strong emphasis on quality, accessibility, and holistic development. In alignment with this vision, we have initiated the phased implementation of several key components of NEP 2020 starting from the academic year 2023–24. These initiatives aim to enhance multidisciplinary learning, promote skill development, and create a flexible and student-centric academic ecosystem in higher education.

1. Multidisciplinary Approach: NEP 2020 places a strong emphasis on fostering a multidisciplinary approach and ensuring flexibility in curriculum design to equip students with diverse skill sets relevant to the 21st century. In line with this vision, Dr. D.Y. Patil Agricultural and Technical University (DYP-ATU) has launched an innovative and interdisciplinary program – M. Tech in Artificial Intelligence and Machine Learning (AIML) in Agriculture.

This program integrates cutting-edge technologies such as AI, ML, data science, and IoT with core agricultural sciences, aiming to develop professionals who can leverage technology to address challenges in the agricultural sector. The curriculum is designed to be flexible, industry-oriented, and aligned with real-world applications, encouraging research, innovation, and entrepreneurship in agri-tech.

2. Choice-based Credit System (CBCS): In alignment with NEP 2020, which promotes the adoption of a Choice-Based Credit System (CBCS) to provide students with greater academic flexibility and personalized learning pathways, we have made MOOCs (Massive Open Online Courses) an integral part of our academic framework.

At DYP-ATU, we have made it compulsory for all undergraduate, postgraduate, and Ph.D. students to enroll in approved MOOCs from reputed platforms such as SWAYAM, NPTEL, and Coursera, with designated credits assigned to each course. The credits earned through these platforms are duly recognized and incorporated into students' academic results, thereby enriching their academic profile with

multidisciplinary and industry-relevant knowledge. This initiative not only enhances the quality of learning but also ensures that students remain updated with global trends, advanced technologies, and domain-specific innovations.

3. Holistic development through value-based activities: Student participation in value-based activities plays a vital role in promoting holistic development, ethical awareness, and a sense of responsibility. These activities, conducted both within and beyond the classroom, help instill strong moral and ethical values. As part of our commitment to holistic and value-based education, we have organized a range of curricular and co-curricular activities that foster ethical awareness, leadership, and social responsibility. These include industrial visits, guest lectures, workshops, celebration of important days, formation of student clubs, poster presentation competitions, annual gathering, and annual sports events. These activities offer students valuable exposure beyond academics and contribute to their overall personality development.





4. Professor of Practice

In line with NEP 2020, which stresses skill-based learning and industry-academia collaboration, we have introduced the Professor of Practice initiative. This brings industry professionals into the academic environment to provide practical insights and enhance students' real-world readiness.

5. Internationalization

NEP 2020 calls for embedding research and innovation in higher education through research-teaching collaborations and faculty/student exchanges with leading global institutions. In line with this, we have signed international MOUs with foreign universities to host seminars, workshops, and conferences.

Sr. No.	Signing Partner	Details of MoU and Research Area	Type of MoU
1	AS Electronics, Kolhapur	Collaborative efforts in student internships, skill development trainings, joint research projects, and advanced lab setup and development.	National MoU
2	SGM College Karad	Joint initiatives for faculty and student research advancement focused on student support systems and academic progression.	National MoU
3	ICSI, Kolhapur	Exchange programs for faculty and students to enhance research capabilities, focusing on improving student mentorship and progression.	National MoU
4	Albedo Foundation, Nashik	Organization of guest lectures, specialized training sessions, faculty and student exposure visits, and collaborative research and development activities.	National MoU
5	ExcelR Edtech Pvt. Ltd.	Implementation of comprehensive development programs aimed at upskilling students and faculty through online and offline modules.	National MoU
6	Aueursaf Medica-Arba Minch	Joint pilot research project on innovative indoor saffron cultivation using LED light technology for sustainable agriculture.	National MoU
7	AgMatrix Pvt. Ltd, Pune	Capacity-building collaborations through faculty exchange, knowledge sharing, and conducting training workshops and seminars.	National MoU
8	ICAI, New Delhi	Academic cooperation to enhance curriculum and professional training for BBA, BBA (Hons.), MBA, and MBA (ABM) programs.	National MoU
9	VIT, Melborn, Australia	Facilitation of student and faculty exchange programs focused on international exposure, collaborative research, and professional development.	International MoU