LAMRIN TECH SKILLS UNIVERSITY PUNJAB

UNIVERSITY SCHOOL OF ENGINEERING & TECHNOLOGY

Ref. No. LTSU/USET/DEAN/667(a).

Date: 18th August 2025

To
The Hon'ble Vice Chancellor
Lamrin Tech Skills University Punjab
Ropar, Punjab

Subject: Proposal for Approval of Special Industry Internship Scheme with Concurrent Online Academic Delivery for B.Tech Students

Respected Sir,

Lamrin Tech Skills University Punjab is an industry-led university committed to delivering skill-oriented, outcome-based, and industry-integrated education. The B.Tech programmes are offered in collaboration with IBM for Computer Science & Engineering specializations (Artificial Intelligence & Machine Learning, Cyber Security, Data Science, and Internet of Things) and L&T EduTech for Computer Science & Engineering, Mechanical Engineering, Electrical Engineering, and Electronics & Communication Engineering. The curricula have been jointly designed in accordance with the UGC Curriculum Framework, National Education Policy (NEP) 2020, and the evolving requirements of modern industries.

The academic structure of the B.Tech programme has been designed such a way that during the first and second years (Semesters I to IV), students undergo rigorous classroom teaching, laboratory experiments, workshops, tutorials, project-based learning, and continuous assessments in full physical mode. This intensive on-campus learning enables students to acquire a strong foundation in basic sciences, engineering fundamentals, core engineering subjects, laboratory skills, problem-solving abilities, and professional ethics. By the end of the fourth semester, students have completed the essential theoretical and practical components required for advanced engineering studies.

After acquiring this strong academic foundation, students entering the 5th Semester are well prepared to engage in industry-based experiential learning. In line with the vision of NEP 2020, which promotes flexibility, internships, experiential learning, and industry engagement, USET proposes to allow shortlisted students for internship to continue their theory courses through online classes while simultaneously undergoing structured industrial training. This blended approach will enable students to correlate classroom concepts with real industrial practices without compromising academic quality.

The proposed scheme will provide the following benefits:

1. Integration of classroom learning with real industrial experience.
2. Enhanced technical, professional, and employability skills.
3. Better attainment of Course Outcomes (COs), Programme Outcomes (POs), and Programme Specific Outcomes (PSOs).
4. Exposure to advanced technologies, industrial practices, and professional work culture.
5. Stronger industry-academia collaboration and improved placement opportunities.

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6. Effective implementation of the objectives of NEP 2020 through experiential and skill-based learning.

To ensure academic quality and discipline, the following provisions shall be followed:

- Students shall attend all online theory classes as per the approved academic timetable.
- Internships shall be undertaken only in organizations approved by USET.
- Every student shall be jointly mentored by a USET faculty mentor and an industry supervisor.
- Students shall submit internship diaries, monthly progress reports, assignments, and project reports as prescribed by the department.
- Faculty members shall regularly monitor the academic and industrial progress of the students.
- Internal assessments, MSTs, quizzes, practical evaluations, and End Semester Examinations may be conducted in online mode, wherever approved by the University, using appropriate proctoring mechanisms in accordance with University regulations.
- The internship shall not compromise curriculum delivery, academic standards, or attainment of the prescribed learning outcomes.

Initially, the scheme is proposed for 5th Semester B.Tech students, with the possibility of extending it to higher semesters and other engineering programmes based on academic feasibility and approval of the competent authority. In view of the above, it is requested that approval may kindly be accorded to implement the Special Industry Internship Scheme for eligible B.Tech students of USET.

The USET seeks the approval of the competent authority to implement a Special Industry Internship Scheme for B.Tech students of USET from the 5th Semester onwards, enabling them to undergo structured internships in reputed industries while attending their semester theory classes in online mode.

Kindly consider the proposal favourably and accord the necessary approval.

Yours faithfully,

This is approved
18/8/2025

Prof. (Dr.) H. P. S. Dhami
Executive Dean
University School of Engineering and Technology
Lamrin Tech Skills University Punjab