

## Project Calendar

The project calendar acts as a vital tool for several reasons as it provides a clear picture of the project timeline, including tasks, deadlines, and dependencies. Everyone involved in the project can see what needs to be done and when fostering better organization and communication. By laying out deadlines visually, a project calendar helps ensure everyone is aware of key dates and keeps the project on track. This reduces the risk of missed deadlines and scrambling at the last minute. The calendar helps visualize resource availability. This allows managers to plan and assign tasks efficiently, avoiding situations where people are overloaded or underutilized. Moreover, potential roadblocks can be identified by analysing the workflow on the calendar. This allows for proactive adjustments to the schedule or resource allocation to avoid delays. A shared calendar acts as a central communication hub.

Team discussions about deadlines and dependencies can be facilitated by referring to the calendar, fostering collaboration. Table 5 represents the calendar of the project including the tasks, their beginning and ending months, and the task assigned HEI for better visibility.

Table 5: Project Calendar

S. No.	Task Number	Task Name	Start Date	End Date	Beneficiary
1	T1.1	Kick-off meeting and establishment of BIOMED5.0 Project Executive Committee	M1	M1	MUET
2	T1.2	QAP preparation and execution	M1	M36	MUET
3	T1.3	Collaboration with quality enhancement cells in Pakistani HEIs	M1	M36	MUET
4	T1.4	Risk assessment and mitigation planning and execution	M1	M36	MUET
5	T1.5	Project management plan	M1	M3	LUMHS
6	T1.6	Managing project budget and finances	M1	M36	MUET
7	T1.7	Conduct of financial audit	M31	M36	MUET
8	T1.8	Preparation of a project completion report	M31	M36	MUET
9	T1.9	Closing out the project and conducting a post-project review	M31	M36	MUET
10	T2.1	Development and revision of Programme Educational Objectives (PEOs) and Learning Outcomes (LOs) of BME UG and PG curricula in line with Industry 4.0/5.0 needs assessment	M1	M3	SSUET
11	T2.2	Development of new modules on I4.0/5.0 technologies for bachelor in BME programme	M1	M18	DCU
12	T2.3	Development of new modules on I4.0/5.0 technologies for masters in BME programme	M1	M18	DCU
13	T2.4	Incorporating Industry 4.0 and 5.0 Technologies into existing modules in UG BME programme	M1	M18	MUET
14	T2.5	Incorporating Industry 4.0 and 5.0 Technologies into existing modules in PG BME programme	M1	M18	SSUET
15	T2.6	Improving digital literacy by development of lifelong learning Open Online Courses (OOCs) for biomedical and healthcare professionals	M1	M18	MUET
16	T2.7	Approval of new and updated modules through PEC and relevant bodies at HEI.	M7	M18	SSUET
17	T2.8	Pilot Implementation of Revised BME curricula and short courses and feedback	M19	M36	MUET
18	T3.1	Establishment of BIOMED5.0 LWG	M1	M3	UETL

19	T3.2	Revision of PEOs and LOs to update teaching laboratory session in UG and PG programmes	M1	M3	UETL
20	T3.3	Designing of new lab manuals	M1	M12	ZIAU
21	T3.4	Procurement of equipment for upgradation of lab facilities	M1	M12	SHU
22	T3.5	Reinforcement learning of digital transformation technologies via laboratory sessions	M19	M36	SSUET
23	T3.6	Development of VR lab sessions	M1	M21	ZIAU
24	T3.7	Development of AR/MR lab sessions	M1	M21	UETL
25	T3.8	Approvals, pilot implementation and students feedback	M16	M36	UETL
26	T4.1	Establishment of CEBME	M1	M3	MUET
27	T4.2	Pan-Institutional Biomedical Engineering Digital Fabrication Laboratory (Fab Lab)	M1	M15	SHU
28	T4.3	Entrepreneur Mentorship Programme	M7	M36	SHU
29	T4.4	Academic staff training in Innovative Pedagogies	M4	M10	DCU
30	T4.5	Academic staff training in I4.0 technologies	M4	M10	DCU
31	T4.6	Academic staff training in TUCN	M7	M10	TUCN
32	T4.7	Promoting wider impact and human resource development in Pakistani HEIs through reciprocal training programs	M10	M15	SHU
33	T4.8	Laboratory staff trainings	M10	M15	UETT
34	T4.9	Students training on Industry 4.0/5.0 technologies	M13	M36	UETT
35	T4.10	Students training on transformative skills	M13	M36	SSUET
36	T4.11	Student training on mental health and well- being	M13	M36	LUMHS
37	T4.12	Development of digital platform for Mental Health and Well-Being	M1	M15	SSUET
38	T4.13	Industry 4.0/5.0 Technology Hackathons	M10-M12, M22-M24, M34-M36		SHU
39	T5.1	Dissémination, Communication and Exploitation Plan	M1	M3	LUMHS
40	T5.2	Copyright policy and intellectual property management	M1	M6	BUET
41	T5.3	Dissemination and Communication using Digital Media	M1	M36	MUET
42	T5.4	Digital transformation Societal Impact Champion for Education and Public Engagement activities	M1	M36	LUMHS
43	T5.5	BIOMED5.0 Annual Conference and Stakeholder Engagement	M10-M12, M22-M24, M34-M36		BUET
44	T5.6	Organisation of Master Classes in Industry 4.0/5.0 and Digital Transformation	M16	M24	MUET
45	T5.7	Participation in International Conferences	M13	M36	BUET
46	T5.8	STEM outreach programme	M1	M36	LUMHS
47	T5.9	Impact Assessment and Case Studies	M13	M36	LUMHS
48	T5.10	Sustainability Plan	M25	M36	UETT