

WORK PACKAGE 5: PROJECT IMPACT AND OUTREACH

ENGAGEMENT & ACTIVITIES

General Instructions:

- Each Higher Education Institution will conduct these education and public engagement activities twice a year.
- Each Higher Education Institution (HEI) must adhere to specific protocols during BIOMED 5.0 events.
 - a. Protocols include setting up standees of BIOMED 5.0, wearing BIOMED 5.0 ID cards, and arranging backdrops for events.
 - b. HEIs are required to capture pictures and videos of each event for documentation purposes.
 - c. HEIs are required to take consent for all the activities in writing from the organization prior to visit.
- If the target audience is unreachable in one session, HEIs have the option to visit twice or if HEI feels they may combine two activities together e.g. Women in STEM and High School visit by visiting a Higher Secondary school having majority female audience.
- All HEIs are required to submit a comprehensive report, consisting of 2-3 pages, detailing the event proceedings and outcomes, within 1 to 2 weeks after the event.

Action Plan -MUET

S. No.	Activity Completion Date	Tasks	Deliverables	Mode	Target Audience
1.	April 2024	(T5.3) Bi-annual Newsletter	Publication of Newsletter on Social Media, Website and to all HEI's	Hybrid	Stakeholders, Health care Professionals, Students,
2.	May 2024	(T5.3) Active Online Website	All the activities updated timely	Online	Faculty, Students and all HEI's responsible for project activities
3.	May 2024	(T5.3) 1. Fb accounts 2. Instagram 3. LinkedIn 4. X (Twitter) 5. YouTube	Creation of Social Media accounts	Online	8000 Followers & Subscribers by M12
4.	August 2024	(T5.8) Secondary & Higher school visits.	1. Consent form, 2. Survey forms. 3. Feedback forms.	Physical	50 Students*

		1. Introduction to STEM, specifically Biomedical Engineering and BIOMED 5.0	4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.		
5.	September 2-4, 2024 (KeyTech 2024)	(T5.7) Participate in International Conference	1. Workshops/Keynote Speech 2. Poster Competition 3. Oral Presentation	Physical	250** Participants from HEI's
6.	17th to 19th October 2024	(T5.4) Health Asia Exhibition	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Physical	Stakeholders, Professionals and Students Entrepreneurs (min. 10 each)
7.	October 29-31, 2024	(T5.4) Participation in Community Events like DUHS-DICE.	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis Pictures and videos with short captions.	Physical	Stakeholders, Professionals and Students Entrepreneurs (min. 10 each)
8.	November 2024	(T5.8) Women in STEM 1. Women Achievers in STEM.	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Hybrid	50 Students*
9.	November 2024	(T5.3) Bi-annual Newsletter	Publication of Newsletter on Social Media, Website and to all HEI's	Hybrid	Stakeholders, Health care Professionals, Students,
10.	December 2024	(T5.4) National Incubation Centres visits.	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis	Physical	Stakeholders, Professionals and Students Entrepreneurs (min. 10 each)

			5. Pictures and videos with short captions.		
11.	January 2025	(T5.8) Secondary & Higher school visits. • Introduction to STEM, specifically Biomedical Engineering and BIOMED 5.0	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Physical	50 Students*
12.	April 2025	(T5.8) Women in STEM • Women Achievers in STEM.	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Hybrid	50 Students*
13.	April-June 2025	(T5.6) Organization of Master Classes in Industry 4.0/5.0 & Digital Transformation	1. Availability of lectures on website 2. Enrolment of students 3. Survey feedback forms from OOCs participants. 4. Recording of Master Classes posted online. 5. Record of OOCs completion 6. No of participants who have completed OOCs. 7. Online certification for OOCs participants	Online	50 attendees ⁶ in Five OOCs in the 1 st cycle
14.	May 2025	(T5.3) Bi-annual Newsletter	Publication of Newsletter on Social Media, Website and to all HEI's	Hybrid	Stakeholders, Health care Professionals, Students,
15.	May 2025	(T5.3) 1. Website 2. Fb accounts	Update of Social Media accounts	Online	12000 Followers &

		3. Instagram 4. LinkedIn 5. X (Twitter) 6. YouTube			Subscribers by M24
16.	July 2025	(T5.4) National Incubation Centres visits.	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Physical	Stakeholders, Professionals and Students Entrepreneurs (min. 10 each)
17.	July- September 2025	(T5.6) Organization of Master Classes in Industry 4.0/5.0 & Digital Transformation	1. Availability of lectures on website 2. Enrolment of students 3. Survey feedback forms from OOCs participants 4. Recording of Master Classes posted online 5. Record of OOCs completion 6. No of participants who have completed OOCs 7. Online certification for OOCs participants	Online	50 attendees ⁶ in Five OOCs in the 2 nd cycle
18.	August-September 2025 (KeyTech 2025)	(T5.5 & T5.7) Organize/Participate in International Conference	1. Workshops/Keynote Speech 2. Poster Competition Oral Presentation	Physical	250 ** Participants from HEI's
19.	October 2025	(T5.4) Participation in Community Events like DUHS-DICE.	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Physical	Stakeholders, Professionals and Students Entrepreneurs (min. 10 each)
20.	October 2025	(T5.4) Health Asia Exhibition	1. Consent form, 2. Survey forms. 3. Feedback forms.	Physical	Stakeholders, Professionals

			<ol style="list-style-type: none"> A report with the activity detail and feedback analysis Pictures and videos with short captions. 		and Students Entrepreneurs (min. 10 each)
21.	October-November 2025	(T5.6) Organization of Master Classes in Industry 4.0/5.0 & Digital Transformation	<ol style="list-style-type: none"> Availability of lectures on website Enrolment of students Survey feedback forms from OOCs participants Recording of Master Classes posted online Record of OOCs completion No of participants who have completed OOCs Online certification for OOCs participants 	Online	50 attendees ⁶ in Five OOCs in the 3 rd cycle
22.	October-November 2025	(T5.8) Education and Public Engagement: • 3D Printing	<ol style="list-style-type: none"> Consent form, Survey forms. Feedback forms. A report with the activity detail and feedback analysis Pictures and videos with short captions 	Physical	Students and Lab Staff=50
23.	November 2025	(T5.3) Bi-annual newsletter	Publication of Newsletter on Social Media, Website and to all HEI's	Hybrid	Stakeholders, Health care Professionals, Students,
24.	November-December 2025	(T5.8) Education and Public Engagement: Fab Lab VR/AR	<ol style="list-style-type: none"> Consent form, Survey forms. Feedback forms. A report with the activity detail and feedback analysis Pictures and videos with short captions 	Physical	Students and Lab Staff=50
25.	February 2026	(T5.8)	<ol style="list-style-type: none"> Consent form, Survey forms. 	Physical	50 Students*

		Secondary & Higher school visits. • Introduction to STEM, specifically Biomedical Engineering and BIOMED 5.0	3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.		
26.	April 2026	(T5.8) Women in STEM • Women Achievers in STEM.	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Hybrid	50 Students*
27.	May 2026	(T5.3) Bi-annual newsletter	Publication of Newsletter on Social Media, Website and to all HEI's	Hybrid	Stakeholders, Health care Professionals, Students,
28.	June 2026	(T5.3) 1. Fb accounts 2. Instagram 3. LinkedIn 4. X (Twitter) 5. YouTube	Update of Social Media accounts.	Online	32000 Followers & Subscribers in 3 rd year
29.	July 2026	(T5.4) National Incubation Centres visits.	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Physical	Stakeholders, Professionals and Students Entrepreneurs (min. 10 each)
30.	August 2026	(T5.8) Education and Public Engagement: • 3D Printing	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions	Physical	Students and Lab Staff=50
31.	September 2026	(T5.8) Education and Public Engagement: • Fab Lab VR/AR	1. Consent form, 2. Survey forms. 3. Feedback forms.	Physical	Students and Lab Staff=50

			4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions		
32.	September 2026 (KeyTech 2026)	(T5.5 & T5.7) Organize/Participate in International Conference	1. Workshops/Keynote Speech 2. Poster Competition Oral Presentation	Physical	250** Participants from HEI's
33.	October 2026	(T5.4) Participation in Community Events like DUHS-DICE.	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Physical	Stakeholders, Professionals and Students Entrepreneurs (min. 10 each)
34.	October 2026	(T5.4) Health Asia Exhibition	1. Consent form, 2. Survey forms. 3. Feedback forms. 4. A report with the activity detail and feedback analysis 5. Pictures and videos with short captions.	Physical	Stakeholders, Professionals and Students Entrepreneurs (min. 10 each)
35.	November-2026	(T5.3) Bi-annual newsletter	Publication of Newsletter on Social Media, Website and to all HEI's	Hybrid	Stakeholders, Health care Professionals, Students,

References

1. *The details of student's ratio in Higher Secondary Schools and Women in STEM is $100 \times 10 = 1000$. Therefore; target of each HEI is of 100 students for visit in three years mentioned on page no 109 of BIOMED 5.0 Document.
2. ** Audience Participation ratio is mentioned on page no 21&109 of BIOMED 5.0 Document.
3. STEM Outreach Programme mentioned in **T5.8**
4. Education and Public engagement mentioned in **T5.4** on page no: 99
5. Details of Website and social Media Accounts mentioned in **T5.3** on page no: 28 and 99.
6. Details of Master Classes (OOCs) Mentioned on Page no. 109 in **T2.6**, in which total student target mentioned is **750** which is divided according to three sessions ($750/3 = 250$ **Students**) then for 5 courses Student ratio should be **50 in each session**.

7. The total ratio of students and lab staff in Education and Public Engagement is 3000 for all HEI's which is covered in three sessions, mentioned on page no. 109 **E5.8, E5.9 & E5.10.**