



Subject: Request to Participate in IT Industry Academia Bridge Program of MoITT/PSEB

Pakistan Software Export Board (PSEB) is an entity under the Ministry of IT & Telecom mandated to act as one-stop shop on behalf of the Government of Pakistan and ensuring of sustainable growth, development of the industry, and enhancement of IT & ITeS exports. PSEB has initiated an Industry-Academia Bridge Program with objective to equip the approximately 4,000 currently enrolled university students in their 6th, 7th and 8th semesters in IT, Computer Science, Software Engineering, Software Development, Web Development, or related bachelor's degree programs in selective universities from HEC recognized universities in Karachi, Hyderabad, Lahore, Islamabad, Rawalpindi, Peshawar, Faisalabad, and Multan, in the latest IT industry skills. This program will equip the students from the industry demanded training and skill which will ultimately increase the employability of these graduates and industry will cover the shortfall of resources.

The program also includes the capability development of the university's permanent faculty teaching in the relevant degree programs for the sustainability of the program. The Train-the-Trainer model will provide up to ~200 university teachers and/or computer lab assistants in parallel sessions. These trainings will be offered in batches of 10 teachers and/or lab assistants each and a stipend will also be paid to university faculty to train the trainer participants.

A scaled and up-to-mark consortium comprised of IT companies/IT industry firms/IT-related organizations/software houses/relevant industry associations will be selected through open bidding process to execute this program. These trainings are to be executed at the well-equipped classrooms and computer labs of selective universities in Karachi, Hyderabad, Lahore, Islamabad, Rawalpindi, Peshawar, Faisalabad, and Multan. Trainings will be related to software development platforms, cloud platforms, software technologies & frameworks, or other relevant skills:

1. MERN Stack (ES6 + REACT) – Semester 6 and/or 7 – 80 hours of training in each semester.
2. Web Engineering Basic (PHP Core, and Code Igniter) – Semester 6 and/or 7 – 80 hours of training in each semester.
3. iCloud Solution Architecture – Semester 6, 7 and/or 8 – 80 hours of training in each semester.
4. SQA (Selenium, and Test Complete) – Semester 6, 7 and/or 8 – 80 hours of training in each semester.
5. Mobile app development (Flutter) – Semester 6, and/or 7 – 80 hours of training in each semester.
6. MERN Stack (Express, Mongo and Node) – Semester 8 - 80 hours of training in each semester.
7. Web Engineering Advanced (Laravel, and Yii) – Semester 8 - 80 hours of training in each semester.
8. Mobile app Development (React Native) – Semester 8 - 80 hours of training in each semester.

Consortiums will approach the universities for this program, it is particularly requested from HEC to the universities to respond timely and appropriately about this project, please give feedback and in case of any concern please feel free to contact PSEB on bridge@pseb.org.pk.

Please find the details of program on the following link.

<https://pseb.org.pk/images/2021/12/rfp-for-it-industry-academia-bridge-program.pdf>