



Activity Plan for Training under the Project: “Going Global Partnership— Undergraduate STEM Education in Pakistan”

Date:	16 June 2022 (Thursday)
Venue:	Lahore College for Women University, Lahore, Pakistan
Lead Trainer:	Dr Muhammad Mustafa (Executive Member, Khwarizmi Science Society)
Themes:	Agenda based Science Communication in classroom Design and Assessment Integration of advance teaching modalities

Session 1

Time Duration: 2 hours (9:30 am to 11:30 am)

Topic: Agenda based Science Communication in classroom

Abstract:

Dr. Muhammad Mustafa will talk about how we perceive new knowledge, types of learners, components of active classroom and how we amalgamate experiments to achieve learning objectives. The audience will experience a live demonstration of different academic teaching situations to brainstorm and evaluate their knowledge dissemination methods.

Venue requirements:

A classroom/meeting room (Preferably a teaching lab) with enough space for the audience and a projector.

Internet access for the trainer and participants

Print outs for activities and assessments

Required Support from Lahore College for Women University (Session 1):

1. 1 projector, 1 PC, and 1 screen.

2. A table (at least of 4 ft x 3ft) where the experimental setups can be placed and demonstrated.



Session 2

Time Duration: 1 hour 15 minutes (11:45 am to 1:00 pm)

Topic: Integration of advance teaching modalities

Abstract:

Dr. Muhammad Mustafa will share the best practices and skills we came across during the pandemic as teachers. Use of different online resources in physical classrooms to boost student's learning experience. Practical demonstration of a smart classroom with integrated online resources will be conducted for efficient learning. Khwarizmi Science Society will bring appropriate experimental setups for the participating groups.

Venue requirements: A space where each group (comprising 5-6 members) has their own station to perform the experiment (similar to Dr Sabieh's 1st session at LCWU)

Required Support from Lahore College for Women University for Session 2:

1. 1 projector, 1 screen, and 1 PC.
2. Each group has their own desktop/laptop or a Smartphone with internet access
3. WiFi connectivity to download the required software
4. Groups should also have space or table to perform the experiment/activity.