



Faculty Development Program



Title : Advancing Engineering Education through Contemporary Pedagogies, AI Integration, and Academic Integrity

Date : 2026-03-27 - 2026-03-27

Time : 10:00 - 13:15

Venue : SJT 107

Event Outcome

- Upon completion : 1. Design and implement learner centered



Resource Person 1 - Details

Name : Dr Sudan Jha

Designation : Professor Associate Director, Computer Science and Engineering

University/ Company : Kathmandu University, Dhulikhel Kavre

Address : Nepal, 45200.

Resource Person's Profile :

1. Profile of Dr Sudan Jha

Prof. Dr Sudan Jha is a distinguished academic and scientist currently serving as a Professor in the Department of Computer Science and Engineering at Kathmandu University, Nepal. He also holds the positions of Associate Director of the Information Technology Centre and Lead Researcher of its IoT R and D Lab.

Faculty Development Program (FDP) is a great opportunity to enhance your teaching skills and gain an understanding of the changing landscape of engineering education. It starts by familiarising the participants with the teaching methods that are being widely used nowadays. The emphasis is on how the focus of the teacher has shifted from simply delivering lectures to facilitating student-centered learning environments. The introductory session delves into the principles of Active and Experiential Learning which satisfy the Washington Accords requirements for ensuring graduates have the right attributes and also fulfil the National Board of Accreditation (NBA) standards. Participants will have the opportunity to get a taste of these learning methods not only through understanding the theory but also by means of practising them through interactive activities, for example, the "Database Schema Design" simulation.

The following session will be on how Artificial Intelligence is bringing about a change in the way teaching and learning are done. Besides that, the teachers will be shown how they can use different AI tools to customise the students' learning paths, generate not only the assessments that are adapted but also other tools and automate the routine work thus making the teachers concentrate on the learners' engagement at the level of high-order cognition. The session will also consider AI as a co-pilot for creating innovative course materials and organizing problem-solving activities that require complex thinking.

Different AI tools for teaching and learning

Coordinator's: Prof. EPHZIBAH E.P 11888 - Associate Professor Sr. - SCORE
Prof. SUJATHA R 11882 - Professor Grade 1 - SCORE