

Preamble

Born with the mission of achieving self-reliance in the field of technical education, Jadavpur University has always nurtured a rich tradition of development of facilities along with research using these and this has resulted in a developed infrastructure-both material and human, which bids fair as one of the best in the country. While development of research setups and facilities are technology-centric, effective utilization of these expensive resources entails development of adequate human infrastructure to run and maintain this equipment, failing which they soon become antique show-pieces. Skills@JU is a unique knowledge dissemination program in the form of a collection of workshop sessions targeted at the primary users viz the Technical Assistants and Research Scholars who form the backbone of laboratory teaching. The idea is to familiarize the concerned personnel with the skills and facilities available in-house, a necessary requirement for research in the modern days which often has a trans-domain span. The sessions are thematically organized with the focus on equipment handling and typically consist of a short theory session followed by hands-on session conducted by the technical staff and/or research scholars for a peer group. The participants are mostly expected to be from Jadavpur University, with some participation from neighboring institutes, engineering colleges and universities. The schedule is from March 20-25 2017. Registration is free for all events.

Participation

The main sessions have been designed to familiarize the technical staff and research scholars of the University with various setups and facilities that have been developed in the University during the recent past and shall comprise an orientation lecture on the facility followed by hands on demonstration by the technical staff and/or research scholars working on that particular facility. The program is envisaged to foster a peer-group knowledge sharing experience to disseminate specialized knowledge available across the University.

The side-track events, on the other hand, are meant for specialized interactions at research scholar level, again with the same philosophy of dissemination of knowledge and skills through hands on peer-group interactions.

The participation to the sessions shall be open to regular technical staff registered research scholars/ fellows of Jadavpur University and Engineering Colleges/ Technology Institutes in and around Kolkata. Each session is designed for 40 participants. In case the number of applicants is more than the maximum number of participants a session can accommodate, allocation may be made on a 'per-session' basis depending on the applicant's background. Preference shall be given to JU employees and research scholars.

The side-track events shall be open to registered research scholars/ research fellows of Jadavpur University and Engineering Colleges/ Technology Institutes in and around Kolkata on a 'per-session' basis. Each side-track session is designed for 10 research scholars/ fellows. Preference shall be given to JU scholars/ fellows.

Skills@JU

Main Sessions				
Date	Session	Time	Theme	Dept./ School/ RP
20-Mar	1	11:00 - 13:00	Inauguration and Orientation	
	2	14:00 - 16:00	Mech. Engg.	Mech. Engg.
	3	16:30 - 17:30	Monitoring Water	Prof. Asish Mazumder
21-Mar	1	11:00 - 13:00	Burner Design, Viscosity, Elec. Lab. & Simulation	Power Engg. Experts
	2	14:00 - 16:00	Instrumentation	IEE Dept.
	3	16:30 - 17:30	Testing Equipment	Construction Engg.
22-Mar	1	11:00 - 13:00	Electrical Engg.	Electrical Engg.
	2	14:00 - 16:00	ETCE	ETCE
	3	16:30 - 17:30	Microwaves and Antenna	Prof. Bhaskar Gupta
23-Mar	1	11:00 - 13:00	Roof-top Energy Production	School of Energy Studies
	2	14:00 - 16:00	Prod. Engg.	Prod. Engg.
	3	Vacant	Vacant	Vacant
24-Mar	1	11:00 - 13:00	Chemical Engg.	Chemical Engg. Dept.
	2	14:00 - 16:00	Lab related to Food & Bio-technology	FTBE Dept.
	3	16:30 - 17:30	Nano materials & their use	Prof. C.Bhattacharya
25-Mar	1	11:00 - 13:00	Civil Engg.	Civil Engg.
	2	14:00 - 15:00	Geology and Earth Sciences	Prof. Pulak Sengupta
	3	15:30 - 17:30	Valedictory & High Tea	
Side-trac Events				
20-Mar	1	14:00 - 17:00	Computational Thermal Hydraulics/ Fluid Dynamics: RELAP/ Fluent	Mech. Engg./ SNSA
21-Mar	2	14:00 - 17:00	Tools and Techniques in Modern Control Systems Design	Power Engg.
22-Mar	3	14:00 - 17:00	Opal-RT in Power Systems Simulation	Electrical Engg.
24-Mar	4	14:00 - 17:00	Techniques in separation and energy generation	Chemical Engg.