



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NAAC and NBA

Department of First Year, 2019-20

Short Term Training Programme

On

“Strengthening Industry Academia Integration in Technical Institutions”

(ICT based)

(9th-13thDecember, 2019)

Department of First Year, Poornima Institute of Engineering and Technology, Jaipur organized a Short Term Training Programme through ICT Mode (On-Line) as a remote center of NITTTR, Chandigarh from 9th to 13th December 2019 on “Strengthening Industry Academia Integration in Technical Institutions”. Thirty three faculty members have attended this STTP from different branches of our college and other colleges.

Programme External Co-ordinator:

- Dr. Amardev Singh, Assistant Professor,
Entrepreneurship Dev. and Industrial Coordination (EDIC) Dept.,
National Institute of Technical Teachers Training and Research (NITTTR)

Programme Internal Co-ordinator:

- Dr. Sama Jain, Assoc. Professor (Chemistry). Head, Department of First Year, PIET, Jaipur
- Mr. Mohit Bajpai, Asstt. Professor, Electronics & Comm. Engg. PIET, Jaipur

Overview of the STTP

Academia-Industry Interface could be defined as interactive and collaborative arrangement between academic institutions and business corporations for the achievement of certain mutually inclusive goals and objectives. Academic world is creative and the industry has the task of commercializing ideas. Academia-Industry collaboration, world over, is quite limited and no model that is widely used exists, though this has always been a topic of discussion on both sides. A productive interface between industry and academia, in the present times of knowledge economy, is a critical requirement. Industry- academia interface brings to meet the industry's needs and expectations and the academic aspirations.

India is the second largest higher education network in the world at present. Here the technical education is imparted through Government Institutions, Government Aided Institutions, Private or Self-Financing Institutions under a Government University and Deemed to be Universities. The first few decades of technical education in post-independence India were dominated by the government institutions such as the Indian Institute of Technology (IIT)s and Regional Engineering Colleges (REC)s. However, the 1980s saw a sudden spurt in the growth of private, or self-financing, technical institutions, especially in the southern states, which were affiliated to a government-run university. The main aim of the self-financing colleges initially was to provide a degree to the students, and later on, to provide jobs to the outgoing students through campus placement programs. There was no emphasis in the initial stages on associating with the industries or to increase research activities. The intense competition among the self-financing colleges led some of them to offer better programs in the departments such as inviting guest lectures, taking students on industrial visits etc. in addition to providing placement through campus. Even at this stage, all these programs took place on a case-by-case basis, depending on the professional relationships of individual faculty members. There was no coordinated effort to bring in all industry-related activities under a single umbrella. This Short-Term Training program presents an overview of industry–institute collaboration on the quality of education in engineering educational institutions with emphasis on the various patterns of Industry–Institute Collaborations (IIC).

ProgrammeOutcomes: After attending this programme, participants were be able:

- To explore upon the critical issues in the integration of industry and academia.
- To identify potential areas of mutual participation of industry and academia giving rise to synergies.
- To assess the Increasing interdependence between academia and industry through innovations.
- To discuss innovative models and options for facilitating the exchange of perspectives between industry and academia.
- To find reasonable solutions and benefits to strengthen the industry-academia integration and engender the symbiotic partnership
- To develop mathematical framework, referred to as thermodynamic framework, and associated constitutive theories for solid and fluent continua with thorough understanding for deriving mathematical descriptions of desired physics.
- To present and derive the basic concepts and principles applicable to all continua without any bias to specific nature (solids and fluids) of the continua.

Schedule of STTP

Day & Date	Session I (09.30 am – 11.00 am)	Session II (11.30 am – 01.00pm)	Session III (2.00 pm – 4.00 pm)
Monday 09.12.2019	Inauguration, Programme Objectives & Relevance of Industry Academia Integration in present times	Industry Academia Integration – Indian and International Scenario, (<i>Dr. S.K. Dhameja,</i>)	Strengthening Industry Academia Integration – An Experiential Sharing
	<i>[Director, NITTTR, Chandigarh /</i>	<i>Dean, Academics and International Affairs &</i>	<i>[Mr. Sanjeev Gupta,</i>
	<i>Dr. S.K. Dhameja / Er. Amardev Singh]</i>	<i>Professor and Head, EDIC Dept., NITTTR, Sector 26, Chd.)</i>	<i>Ex-Chief General Manager, SML ISUZU Ltd.]</i>
Tuesday 10.12.2019	Interventions for Academic Institutions Involvement in Product and Process	Industry Academia Collaboration to enhance the Employability	Expectations of Industry from Students and Technical Institutions

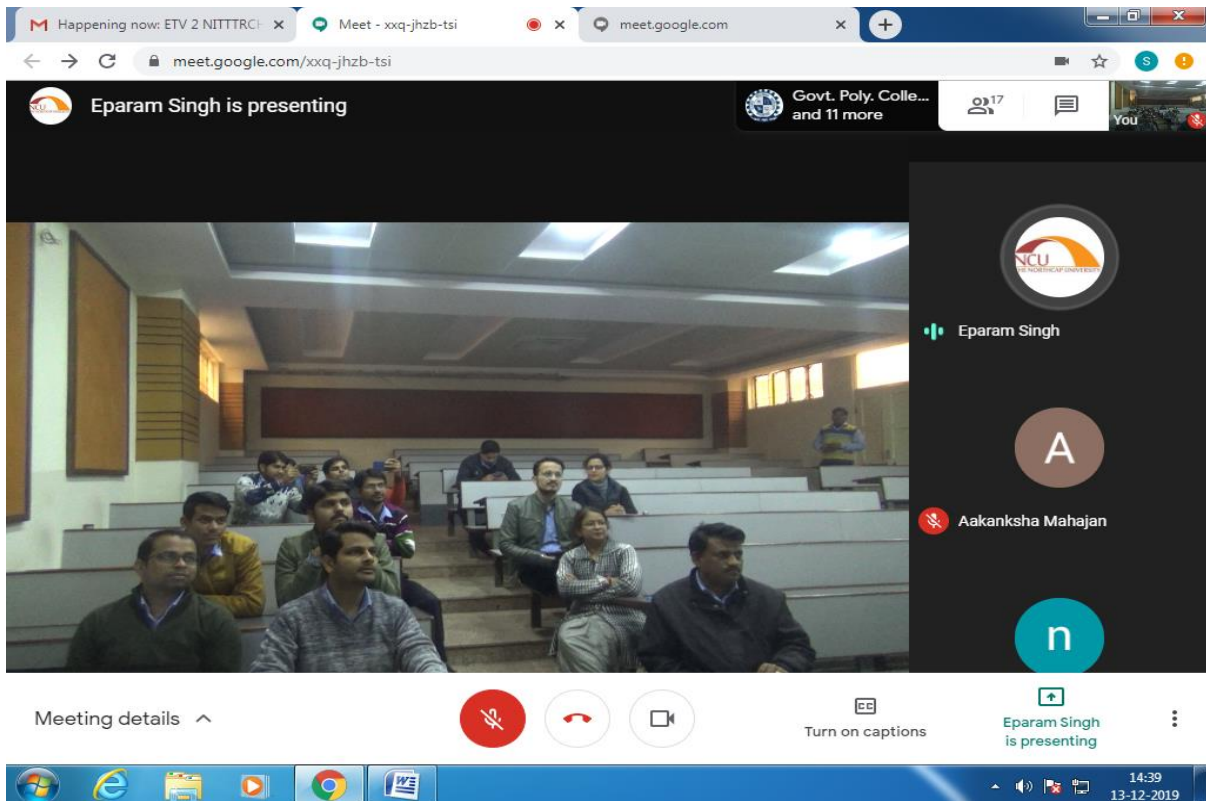
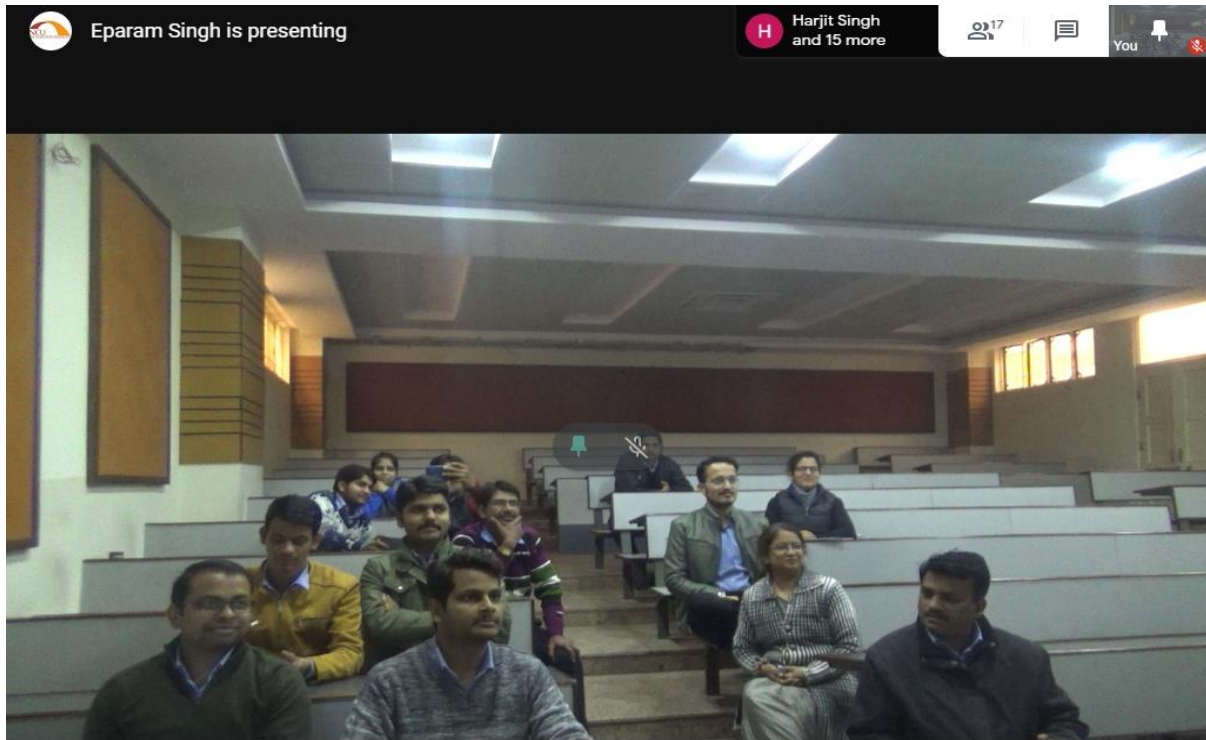
	Development for Industry [Sh. Tarik Deep Singh, Competency Head IoT, Tech Mahindra]	[Sh. Arun Sharma, Senior Assistant Director, FICCI, Chandigarh]	[Sh. Amit Das, Director, Disruptian Technologies Private Limited, Zirakpur]
Wednesday 11.12.2019	Strategic Planning for Industrial Coordination	Avenues for Academic Institutions Contribution in Governmental Thrust Policy Areas [Sh. Sumit Arora, Capacity Building and Institutional Strengthening Specialist, Punjab Municipal Infrastructure Development Company, Dept. of Local Government, Punjab]	Presentations by Participants on Interventions undertaken by their Institutions for Strengthening Industry Academia Integration Part 1
	(Dr. S.K. Dhameja, Dean, Academics and International Affairs & Professor and Head, EDIC Dept., NITTTR, Sector 26, Chandigarh)		(Participants / Er. Amardev Singh)
Thursday 12.12.2019	Securing Industry Involvement in Training & Placement Activities of Educational Institutions (Sh. Jagpal Singh Bahra, Solution Provider, SAM Automation Technologies Pvt. Ltd.)	Presentations by Participants on Interventions undertaken by their Institutions for Strengthening Industry Academia Integration – Part 2 (Participants / Er. Amardev Singh)	A Panel Discussion Session on Conceiving and Undertaking Interventions for Effective Industry Academia Integration [Experts and Prof. (Dr.) S.S. Pattnaik, Director / Dr. S.K.D. / Er. A.S.]
Friday 13.12.2019	Business Incubation for Effective Industry Academia Integration (Er. Amardev Singh, Chandigarh)	Task - Action Plan Formulation for Future Industry Academia Integration (IAI) Interventions by Technical Institutions [Participants/ Dr. S.K. Dhameja / Er. Amardev Singh]	Feedback and Valediction Dr. S.K. Dhameja / Er. Amardev Singh]

List of Participants

Sr. No.	Application ID	Name(in Eng)	Institute(in Eng)	Institute Place(in Eng)	Institute State(in Eng)
1	ICT-251911527	AJAY SAINI	ARYA INSTITUTE OF ENGG AND TECHNOLOGY	JAIPUR	RAJASTHAN
2	ICT-251911470	ANUJ BABBAR	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
3	ICT-251911495	ANURIKA MEHTA	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
4	ICT-251911498	ARSHAD ALI	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
5	ICT-251911491	ASHOK KUMAR	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	SITAPURA, JAIPUR, RAJASTHAN	RAJASTHAN
6	ICT-251911507	ASHU SHARMA	POORNIMA GROUP OF INSTITUTIONS	JAIPUR	RAJASTHAN
7	ICT-251911519	ATRAKESH PANDEY	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
8	ICT-251911518	CHANDAN DUBEY	POORNIMA GROUP OF INSTITUTIONS	JAIPUR	RAJASTHAN
9	ICT-251911497	DR RITU SORYAN	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
10	ICT-251911579	DR SONAL SHARMA	POORNIMA COLLEGE OF ENGINEERING JAIPUR	JAIPUR	RAJASTHAN
11	ICT-251911508	DR. MUKESH CHANDRA	POORNIMA INSTITUTE OF ENGINEERING AND TECHY, JAIPUR	JAIPUR	RAJASTHAN
12	ICT-251911524	DR. RAKHI MUTHA	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
13	ICT-251911530	DR. SUNIL PATHAK	AMITY , JAIPUR	ACHROL	RAJASTHAN
14	ICT-251911374	HARMANPREET KAUR	CHANDIGARH UNIVERSITY	GHARUAN	PUNJAB
15	ICT-251911525	JEETENDRA SINGH KHICHAD	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
16	ICT-251911049	K R YADAV	Govt. Polytechnic College,	KOTA	RAJASTHAN

17	ICT-251911521	KRISHNA KUMAR GUPTA	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY JAIPUR	JAIPUR	RAJASTHAN
18	ICT-251910974	LALINA	GANGA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, KABLANA, JHAJJAR(HARYANA)	KABLANA, JHAJJAR	HARYANA
19	ICT-251911501	MANISH BHARDWAJ	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
20	ICT-251911512	MANSIH MATHURIA	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
21	ICT-251911493	MOHIT BAJPAI	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
22	ICT-251911526	NEERAJ JAIN	POORNIMA COLLEGE OF ENGINEERING	JAIPUR	RAJASTHAN
23	ICT-251911492	NITIN MUKESH MATHUR	POORNIMA INSTITUTE OF ENGINEERING	JAIPUR	RAJASTHAN
24	ICT-251911531	PAWAN KUMAR PATIDAR	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
25	ICT-251911454	RAJESH KUMAR	POORNIMA INSTITUTE OF TECHNOLOGY	JAIPUR	RAJASTHAN
26	ICT-251910973	RAKESH KUMAR JOON	GANGA INSTITUTE OF TECHNOLOGY AND MANAGEMENT	KABLANA	HARYANA
27	ICT-251911505	RUCHIKA MEHTA	MANIPAL UNIVERSITY JAIPUR	JAIPUR	RAJASTHAN
28	ICT-251911506	SAKAR GUPTA	POORNIMA COLLEGE OF ENGINEERING,JAIPUR	JAIPUR	RAJASTHAN
29	ICT-251911479	SAMA JAIN	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
30	ICT-251911306	SONAM	PIET	PANIPAT	HARYANA
31	ICT-251911515	SUMIT KUMAR	POORNIMA GROUP OF INSTITUTIONS	JAIPUR	RAJASTHAN
32	ICT-251911490	UDIT MAMODIYA	POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY	JAIPUR	RAJASTHAN
33	ICT-251911504	VIKRAM KHANDELWAL	POORNIMA GROUP OF INSTITUTIONS	JAIPUR	RAJASTHAN

Glimpses of STTP:



Epam Singh is presenting

Vikas Tyagi and 11 more

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