

Online Training
Under
Continuing Education Program of IIT Kharagpur
on
**STREAMLINING ENGINEERING CURRICULUM FOR NEP 2020 AND
MANAGEMENT OF TEACHING LEARNING IN ONLINE EDUCATION**
(September 11-13, 2020)

Organized by Department of Mining Engineering, IIT Kharagpur

National Education Policy 2020 has brought new hopes and enthusiasm for the Human Resource Development sectors in the corporate houses as well as in the academic and R&D Institution to adapt multiple entries, multiple exits as well as to include skill and competency development by supporting vocational programmes. Every engineering college will have to evolve their own implementation action plan aligning with the national road map. It is now of paramount importance to get the teachers involved to understand the pedagogy and andragogy in delivery of their domain expertise through a new avatar of engineering curriculum and NEP 2020.

Under the current COVID-19 induced situation, along with other sectors, the sector of Human Resource Development both in academic and professional world are now requiring alternatives or new normal. There is no controversy that emerging technologies in the field of Information and Communication is going to disrupt the old practices in the near future. The teachers and the students in all level of education system are rapidly adapting online education by innovating methods with whatever means are available to them. However, there are issues to be resolved as in our country a larger area is not yet covered under economically available broadband communication network. A very large part of our population does not have adequate exposure to the digital world due to economic and social backwardness.

Under these circumstances, adapting online education in the schools, colleges and universities, we are facing difficult situations. However, it is imperative to note that the progressive attempts are being made at different sectors to get the country rise above the situation.

Learning management system for e-learning and blended learning was available in the HRD world for the last two decades in various forms. However, many of our teachers and corporate houses were not adequately adapting and experimenting with it. Under the present scenario, while adapting online education, we need to address the following:

1. How to align the curriculum and lecture plans for online delivery?
2. How to develop teaching learning content and assessment tools for students distributed over different places and leaning at a different pace?
3. How the interactions of the students and teachers, students and students, teachers to teachers to contents will take place?
4. How the current curriculum needs to be modified to make it compatible with competency based or outcome oriented online education?
5. How to access adequacy of various courses in a programme towards their contribution to the programme education objectives?
6. How to evaluate the teaching to that the teachers can improve themselves to meet the changing challenges?

IIT Kharagpur is addressing these issues at different occasions and particularly during the execution of the project “**Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning**” during 2012-2016. The proposed course of three days’ duration will be addressing the above issues for the teachers of tertiary level of all disciplines, Administrative Officers & Staffs and Research Scholars

After completion of the course the participants will be able to

1. Develop *learning practice companion* for the students.

2. **Teaching Practice Inventories** for self-development in teaching.
3. **Select tools and techniques for developing teaching content** for online delivery.
4. Plan and deliver courses using **Learning Management System (LMS)**, **MOODLE** in line with the practical demonstration that will be provided during the course.
5. Evaluation in Online Education
6. Assessment in Online Education
7. Preparation of Online course syllabus

Faculty members, Administrative Officers & Staffs and Research Scholars of Institutes of Higher Education are eligible to participate in this online program.

The participants in this course will be made user of a MOODLE and the course materials and lectures will be available at (<http://www.miningpedagogy.iitkgp.ac.in/moodle/login/index.php>), a site dedicated to teaching and learning. The effectiveness of this online course will be evaluated through online quizzes

The online course will be conducted during September 11-13, 2020 in three Modules (Module I, Module II and Module III) from 09:30AM to 5:00PM with lunch and refreshment breaks every day. Soft copy of the **Certificate of Participation** will be emailed to the registered participants. The online lectures will be delivered by faculty members of Indian Institute of Technology Kharagpur with proven expertise of using educational technology for teaching learning. Each session will be followed by interactive Q & A session. The link for participation and password will be emailed to the registered/nominated participants. Tentative schedule of the training programme is provided below:

	Time	Topic and Faculty
Module I (11.09.20 20)	(09:30 to 11:00)	Session I-1
	(11:00 to 12:30)	Session I-2
	(12:30 to 14:30)	Lunch break
	(14:30 to 15:45)	Session I-3
	(15:45 to 16:00)	Tea break
	(16:00 to 17:00)	Session I-4
Module	(09:30 to 11:00)	Session II-1
	(11:00 to 12:30)	Session II-2
	(12:30 to 14:30)	Lunch Break

II (12.09.20 20)	(14:30 to 15:45)	Session II-3
	(15:45 to 16:00)	Refreshment break
	(16:00 to 17:00)	Session II-4
Module III (13.09.20 20)	(09:30 to 11:00)	Session III-1
	(11:00 to 12:30)	Session III-2
	(12:30 to 14:30)	Lunch Break
	(14:30 to 15:45)	Session III-3
	(15:45 to 16:00)	Tea break
	(16:00 to 17:00)	Session III-4
	(17:00 to 17:10)	Valedictory

How to apply and Fees:

Use the link: <https://erp.iitkgp.ac.in/CEP/courses.htm> to apply ONLINE



Payment is to be done **ONLINE** after getting short listed for the program.

Program ID: IIT/CEP/STC/SS/2020-2021/MI/25

(The detailed procedure for applying through IIT Kharagpur online course registration portal is enclosed along with this brochure)

Fees of the online training is Rs. 1,500.00 (Rupees one Thousand Five Hundred only) per participant.

[The fees should be paid by following the steps as mentioned above by electronic money transfer to “CEP STC IIT Kharagpur” to the account number 95562200002955 of Syndicate Bank at Branch SRIC IIT Kharagpur (IFSC Code SYNB0009556)].

For any other information, please contact:

Prof. Khanindra Pathak
Developer and Principal Instructor
Department of Mining Engineering
IIT Kharagpur-721302
Phone: 03222283722, Mobile: 09800877877
E-mail: khanindra@mining.iitkgp.ac.in;
khanindra.p@gmail.com

Mr. Sourav Kr. Mandal
Course Manager
Department of Mining Engineering
IIT Kharagpur-721302
Phone: 8436718289
E-mail: souravm.iitkgp@gmail.com

Continuing Education Programme (CEP)

Indian Institute of Technology Kharagpur

Procedure for applying through IIT Kharagpur online course registration portal

Use the link: <https://erp.iitkgp.ac.in/CEP/courses.htm>

Steps to be followed:

1. Sign-Up
2. Verify your email-id (link will be sent to your e-mail)
3. Login
4. Edit Profile(Fill up all the mandatory fields, upload photo and signature)
5. Click on 'APPLY NOW' button.
6. Upload your **.pdf** format id-card (if necessary).
7. Payment Gateway activated

*** An e-mail will be communicated from Principal Coordinator/Convenor/Organiser, IIT Kharagpur to the shortlisted applicants stating the payment procedure.

*** This is a one time sign up process for applying through IIT Kharagpur online course registration portal. You can apply for any other programme using the same Login-id and Password.



For any help please call @ the following help-line numbers:(0)-3222-269626

or Email us: cep_erp@iitkgp.ac.in