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Short Term Course

on

Cognitive Planning & Decision Making

(January 21-23, 2016)

Overview

Planning is a cognitive activity which precedes a course of action aimed at achieving some goal. It influences our all activities from the most mundane to the most crucial business/policy decisions. Planning and decision making involve many interrelated cognitive processes like information processing, problem solving, critical thinking, observation and monitoring, reflective thinking and so on. However, the relative orderliness / effectiveness of particular planning processes presumably reflect individual differences among planners as well as different task demands. Thus, decision making precedes an impending action, whereas planning is anticipatory to decision making. Decision making assumes self-efficacy and conscious choices. Briefly, we can say planning is more closely associated with reflective thinking and problem solving, and decision making is subsumed in planning process. In the present diverse workplace context, experts have recommended for some cognitive skills that would help the managers/ professionals/ executives in accomplishing their tasks (know how), understanding multiple perspectives and working in a team, as well as working on constructive criticism / feedbacks for improving self-efficiency and personal effectiveness. Hence, this course intends to view cognitive planning from different perspectives i.e., cognitive psychology, cognitive neuroscience and human- computer interactions.

Objectives

The primary objectives are as follows:

1. Understanding the fundamentals of cognitive processing, intelligence and creativity.
2. Knowing the mechanism of cognitive computing.

3. Being familiar with the interrelationship between artificial intelligence and knowledge modeling.
4. Understanding the current theory of intelligence PASS (Planning, Attention, Simultaneous, and Successive) and cognitive planning in different work set-ups.
5. Getting exposed to cognitive neuroscience and its role in human decision-making process.

Short Term Course on
Cognitive Planning & Decision Making
(January 21-23, 2016)

Duration: January 21-23, 2016

Total Lecture Hours: 2 x 7 = 14 hours

Course details/Topics:

1. Cognition & Planning: An Introduction - Speaker- Dr. Atasi Mohanty, IIT Kharagpur.
2. Working Memory & Its Applications: Speaker- Dr. Rajlakshmi Guha, IIT Kharagpur
3. Cognitive Neuroscience of Problem Solving & Decision Making: Speaker- Prof. Narayan Srinivasan, Cognitive Science Research Centre, Allahabad.
4. Cognitive Planning & PASS Intelligence Model: Speaker- Prof. J.P. Das (Emeritus Prof.), University of Alberta, Canada.
5. Cognitive Computing: Speaker- Prof. Anupam Basu, IIT Kharagpur.
6. Artificial Intelligence & Knowledge Modeling: Speaker- Dr. Plaban Kumar Bhowmick, IIT Kharagpur.
7. Cognitive Mapping & Creativity: Speaker- Prof. Priyadarshi Patnaik, IIT Kharagpur.

(Dr. Atasi Mohanty)
Coordinator, CET, IIT Kharagpur

Method:

1. Lecture Delivery & Discussion through,
2. Video- Conferencing
3. Face-to-face Interaction
4. Hands- on experience

Target Participants: Academicians, Researchers, Administrators, Executives, R & D Professionals.

Maximum No. of TEQIP college teachers= 30
Sponsored Participants=20, Total seat= 50

Minimum Qualification: Graduation/ Post- graduation

Course Fee: Rs. 15,000 /-for sponsored candidates
Rs. 10,000/- for TEQIP college teachers

Accommodation: Accommodation will be arranged at one of the IIT Kharagpur Guest House/s. Sponsored participants will have to bear their own expenses.

Certificate: The participants will be provided certificates on successful completion of the programme.

How to Apply?

Interested participants can fill –up the application form available on IIT Kharagpur Website, apply and send the hard copy along with the Demand Draft in favour of the “**CEP IIT Kharagpur**” payable at **Kharagpur**, to the coordinator by Speed post.

Important Dates:

Last date for receiving Application (along with the DD): **15/01/2016**

Intimation to Participants latest by: **16/01/2016**

Arrival of Participants at IIT Kharagpur: **20/01/2016**

Completion of the Course: **23/01/2016**

About IIT Kharagpur

Situated about 120 km west of Calcutta, Kharagpur can be reached in about 2.5 hrs from the Howrah railway station of Calcutta. Kharagpur is also connected by direct train services to most major cities of the country. The Institute is about 10 minutes drive (5 km) from the Kharagpur railway station. Private taxi, auto- rickshaw or cycle rickshaw can be hired to reach the Institute. The Centre for Educational Technology is located in the Takshashila building of the Institute.

Address for Correspondence

Dr. Atasi Mohanty, Coordinator
Center for Educational Technology
Indian Institute of Technology, Kharagpur
Kharagpur – 721302, WB, India
Tel: 03222-282259 (Off), Mob: 094340 77032
E-mail: stccet2015@gmail.com

Application Form

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Cognitive Planning & Decision Making
(January 21-23, 2016)

1. Name :	
2. Gender : Male/ Female :	
3. Highest academic qualification :	
4. Designation :	
5. Name of the Institute / Organization:	
6. Address :	
7. Phone No. :	
8. Mobile :	
9. E-mail :	
10. DD No. :	
11. Date of Issue :	
12. Issuing Bank :	
13. Accommodation required (Y/N):	
Travel Details :	
14. Date of Arrival :	
15. Arrival Time:	
16. Date of Departure :	
17. Departure Time :	

I agree to the Terms & Conditions which is given here and I declare that the above information is correct to the best of my knowledge and belief.

Date:

Signature of Applicant

