



Short Term Course  
On

## BIM and Computer Applications in Mechanical, Civil and Architectural Design

For Students / Faculty members

Coordinator

Dr. Uttam Banerjee, Professor



Indian Institute of Technology  
Kharagpur

Season – 2

5 To 14 June 2016

### OVERVIEW

The complete course is spread over three modules, arranged sequentially, starting from Basic to Advance Levels. The course in general has no pre-requisites. However, participants are advised to initiate learning from the Basic to Advanced levels in sequence.

|           | Course Content   | Duration         |
|-----------|--|------------------|
| Level – 1 | Fundamentals of Building Information Modelling (BIM) and Basic Revit Applications                | 3 days (21 Hrs.) |
| Level – 2 | Fundamentals of Building Information Modelling (BIM) and Advanced Revit Applications             | 3 days (21 Hrs.) |
| Level – 3 | Building Information Modelling (BIM) and Revit MEP Applications and Interface for Large Projects | 4 days (28 Hrs.) |

### Objective of the Course

- Theoretical understanding on Building Information Modelling, popularly known as BIM.
- Demonstration of interface between BIM and various related software (e.g. Revit, Inventor, CreO etc.).
- Hands-on computer application of 2D, 3D, MEP and manufacturing design / drawings and presentations.
- On exposure of the total course modules one would be equipped with the expertise to serve the industries in the global fields with high market value.
- On completion of each course a '**Participation Certificate**' would be awarded by the CEP, IIT Kharagpur.

### Course Schedule and Modus Operandi

The course would be organised in a fully air-conditioned environment, with a coverage of 40% Lectures and 60% guided hands-on computer applications, spread over 3 - 4 days for each level. The time schedule for each day would be 9.00 AM to 1.00 PM : Lunch Break : 2.30 PM to 5.30 PM. The participants have to report one day before the start date of each module.

### Eligibility

This program is primarily targeted for the **Students and Faculty members** from authorised academic institutions with the background in **Architecture / Civil / Mechanical** and **other Engineering disciplines**.

**Capacity 50 Persons**

The seats would be allotted on first-come-first-served basis. There may be provision for on-the-spot admission three day prior to the start date, subject to availability of seats and accommodation.

### Course Fee

Rs. 8,000 for each level / Rs. 21,000 for all the levels per Season for individual participation.

### Boarding and Lodging

Accommodation and food may be arranged for all the outstation participants at IIT Kharagpur Guest houses / Student Hostels on payment basis, subject to availability, depending on prior request with advance payment through demand draft along with the application. Accommodation charges are given below.

|                        |  |
|------------------------|--|
| Technology Guest House | : Rs. 600 per person per day (Twin sharing, Air-conditioned)   |
| Student Hostel         | : Rs.100 per person per day (Single room, Non Air-conditioned) |
| Food                   | : Rs. 350 per person per day (Approx.)                         |

### FACILITIES AT IIT KHARAGPUR

#### Accommodation

The institute is fully residential. Accommodation for visitors is arranged in the Technology Guest House, CEC Guest House, Alumni Guest House or CTS Visitors Hall, or if need arises, in a students' Hall of Residence. Students are accommodated in 20 Halls of Residence and the staff is provided with quarters.

#### Computer Network

The backbone of IIT Kharagpur network is based on gigabit fibre optic technology. All the Departmental LANs are connected to the gigabit fibre optic backbone as separate VLANs. All the laboratories and Guest houses are provided with Internet connectivity.

#### Associated Facilities

**Banks** : State Bank of India, Punjab National Bank, and Syndicate Bank.

**Hospital** : B. C. Roy Technology Hospital, inside the Campus.

**Library** : The Central Library offers about 300,000 volumes and 1400 periodicals in an open shelf system on different fields of science, technology, humanities and social sciences. The library is fully computerized and with access to foreign university libraries through wide-area network facilities. with Internet connectivity.

**Auditorium** : Two large auditoria with week-end recreational facilities.

#### Faculty Coordinator

Dr. Uttam Banerjee is a senior Professor, in the Department of Architecture & Regional Planning and Joint Faculty of the RCG School of Infrastructure Design and Management at IIT Kharagpur with more than 30 years of teaching and professional experience, and former Head of both the departments. He did his B. Arch, Master of City Planning and Ph.D. from IIT Kharagpur. The course would be supported by experts and researchers from the industry and academia.

### DATE OF REGISTRATION

**For Season 2**

**Last Date for Registration :**

15 days before the start date of the Course

**Confirmation of Selection :**

12 days before the start date of the Course

**Spot Registration :**

3 days before the start date of the Course

(subject to seat and accommodation availability)

### APPLICATION PROCEDURE

For application, please download the registration form from the links below  
[cep.iitkgp.ac.in](http://cep.iitkgp.ac.in), [www.iitkgp.ac.in](http://www.iitkgp.ac.in)

**Email the scanned copy of the filled application and a passport size photograph of the applicant in jpg format to the Coordinator.**

**Send the hardcopy of application along with the demand drafts by post to the contact address of the coordinator given below.**

### CONTACT DETAILS



**Dr. Uttam Banerjee**, Professor,  
RCG School of Infrastructure Design and Management (Former Head)  
Department of Architecture & Regional Planning (Former Head)  
Indian Institute of Technology, Kharagpur – 721302, WB, India  
Phone : +91-3222-283200 Cell : +91-7407895380,  
Email : [ukb@arp.iitkgp.ernet.in](mailto:ukb@arp.iitkgp.ernet.in)

# Registration Form

IIT Kharagpur

Fill up, Scan and Email this page to the Coordinator in advance.  
Send the Hard copy with Demand Drafts by Speed Post / Courier

Paste your  
Passport size  
Photograph here

## BIM and Computer Applications in Mechanical, Civil and Architectural Design

Season – 2 ( For Students and Faculty members )

5 To 14 June 2016

|  |  |  |
|--|--|--|
| Name : _____   |  |  |
| Date of Birth : _____  | Gender <input type="checkbox"/> Male <input type="checkbox"/> Female           | Category <input type="checkbox"/> Student <input type="checkbox"/> Faculty |
| Name of the Institution : _____  |  |  |
| Address for Correspondence :   |  |  |
| Institution : _____  | Residence : _____  |  |
| _____  | _____  |  |
| _____ Pin _____  | _____ Pin _____  |  |
| Phone _____ Mobile _____   | Phone _____ Mobile _____   |  |
| Email _____  | Email _____  |  |
| Academic Year _____ Roll No. _____   | Academic Year _____ Roll No. _____   |  |
| Qualification : BE / B.Tech / B.Arch / B.Plng / Diploma /<br>Other _____ (specify)   | Qualification : ME / M.Tech / M.Arch / M.Plng /<br>Other _____ (specify)       |  |
| Branch of Study : Architecture / Civil / Mechanical /<br>Other _____ (specify)   | Branch of Study : Architecture / Civil / Mechanical / Other<br>_____ (specify) |  |
| Which program do you wish to attend ? <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> All Levels |  |  |
| Do you have prior exposure to BIM / Revit / Inventor / Creo ? <input type="checkbox"/> Yes <input type="checkbox"/> No   |  |  |
| If yes, up to what level ? Please specify _____<br>_____   |  |  |

## Payment Details : (Per Participant)

| Course Fee (including Service Tax) :             |                       | Accommodation Charge : (Guest House / Hostel)                  |                       |
|--|-----------------------|--|-----------------------|
| <input type="checkbox"/> Rs. 8,000 (Level 1)     | Amount _____          | <input type="checkbox"/> Rs. 2,400 / 400 (Level 1 : 4 day)     | Amount _____          |
| <input type="checkbox"/> Rs. 8,000 (Level 2)     | D.D. No. _____        | <input type="checkbox"/> Rs. 2,400 / 400 (Level 2 : 4 day)     | D.D. No. _____        |
| <input type="checkbox"/> Rs. 8,000 (Level 3)     | Date : _____          | <input type="checkbox"/> Rs. 3,000 / 500 (Level 3 : 5 day)     | Date : _____          |
| <input type="checkbox"/> Rs. 21,000 (All Levels) | Drawn on Bank : _____ | <input type="checkbox"/> Rs. 6,600 / 1,100 (All Levels:11 day) | Drawn on Bank : _____ |
|  | Branch : _____        |  | Branch : _____        |

**Note :** Participation fees and Accommodation charges to be paid, in advance, via separate A/c payee demand drafts payable to **CEP-STC, IIT Kharagpur** payable at **Kharagpur** on any nationalised bank.

**Declaration :** The Information provided above is true to the best of my knowledge. If selected, I shall attend the course for the entire duration with diligence and abide by the conducts of IIT Kharagpur.

|                                  |  |
|----------------------------------|--|
| Participant :<br>Signature _____ | Authorization from Institution / Organisation (Optional) :<br>Signature _____ Seal _____ |
|----------------------------------|--|