

2. Event Name: Seminar on APPLICATION OF SOFTWARES IN CONSTRUCTION INDUSTRY

Date: 10th February 2017 at 10 a.m.

Venue: Smart Class Room, C-214, ASET, AUH

Organized By: Department of Civil Engineering, ASET in collaboration with Apron India Pvt. Ltd., Gurgaon

Faculty Coordinator(s):

1. Assistant Professor (Civil), ASET - Ms. Sakshi Gupta,
2. Assistant Professor (Civil), ASET - Mr. Ankit Batra,

Participation:

1. No. of Faculty Members:6 (plus 3 Lab Assistants)
 2. No. of Students: 40
-

Introduction

Civil Engineering has been offered here at Amity University with the mission to promote intellectual, social and ethical development of civil and construction engineers, to create and communicate engineering concepts and technology. Today, the construction industry requires not only engineers in the field of structures, but also other disciplines of civil engineering who can come together and work as one team and also the managers who shall engage in economically viable construction work, research, innovation and development providing state-of- the-art solutions to problems of industries and communities. Also, they facilitate the process of *construction* planning, and ensure efficient and timely implementation of infrastructure projects.

Aim/Objective/Purpose of the Event

The Seminar on Application of various softwares in Construction Industry was organized in collaboration with Apron India Pvt. Ltd., Gurgaon to promote challenging and developmental activities in the field of Civil Engineering. The trend to implement software programs into the civil engineering industry began as educational concerns for the future of civil engineering. Today is a world of technology, so the construction industry has accepted the use of computers in a variety of ways. To perform various tasks within the building or assembling of a structure or infrastructure as a means of increasing productivity, efficiency, and competitiveness we use various softwares. The tasks previously administered by a project manager, construction manager, design engineer, construction engineer and project architect can be performed by construction software applications. Construction softwares help us to perform various functions such as cost estimating, accounting, project management and scheduling and CAD, or computer-aided design with ease and efficiency. Use of various softwares in construction industry helps in better management of construction projects. Innovative construction software plays an important role within the construction industry, and today, the majority of construction companies organize, plan and estimate project costs using a project management software solution. This sophisticated software, designed specifically for the construction industry, aids communication, decision-making, budget management, job scheduling and cost control. The main purpose of such a seminar was to give the students an overview of various softwares that are important in construction industry and how the use of softwares will help them to find better jobs and excel in the field of Civil Engineering.

Highlights of the Event

1. The Head of the Department, Civil Engineering and Faculty Members Ms. Sakshi Gupta and Mr. Ankit Batra concurred with the experts (AutoCAD, Revit, StaadPro, Primavera and Sales & Marketing) and discussed about focusing on various thrust areas relating to various softwares. They also laid emphasis on the need of facilitating extensive research in core areas.
2. At the onset, during the networking tea, the faculties and the experts discussed upon the importance of Application of various softwares in Construction Industry and how the bridging of gap between the industries and institution can take place.
3. To start with the event, Prof. (Dr.) R.K. Malik, Head of the Department Civil Engineering, welcomed and introduced the guests with the gathering. He also shared some information about the civil engineering department and why the seminar was organized for the students.
4. Maj. Gen. (Retd.) V. K. Narang, Director, ASET appraised the august gathering by his welcome address and sharing with us the importance of this seminar. He discussed about the importance of using softwares for various aspects in Civil Engineering.
5. The thought-provoking seminar was delivered by Mr. Harish Verma [Technical Head (Design Engineering)] and Mr. Satyam (Design Engineer) , Apron India Pvt. Ltd., Gurgaon discussing about the various softwares such as AutoCAD, REVIT, STAADPRO and PRIMAVERA and how these softwares are useful for the civil engineering students both at graduate and post graduate levels.
6. They discussed that for the professionals (Civil Engineers, Designers, Architects, Project Managers etc.) involved in a project, the use of softwares in construction industry is the need of the hour for effective and efficient work in the construction project. Implementing a fully integrated and automated construction software solution helps construction companies become more efficient and ultimately leads to improved profitability.
7. During the seminar, they showed a number of short videos to the students and faculty members to understand the use of the softwares and why they are useful in Construction industry these days. This gave them a clear picture of the importance of AUTOCAD, STAADPRO, REVIT and PRIMAVERA.
8. They showed the softwares to the students to give them some experience of the softwares discussed. In the software, AutoCAD an example 2D system was designed and shown to give the students some knowledge as to how the software works. Another software Revit was shown and a small building was designed and various tools and techniques were discussed elaborately. Then the StaadPro was discussed and the various codal provisions that can be used for the design and analysis of structures in the software were discussed. Also, an example was taught and shown how various tools are going o work, how loading is given, how material is assigned, how the designing and then an analysis is done for a particular building.
9. To conclude they discussed the phases in a building project and the opportunity for Civil Engineering professionals. As Primavera is an advanced tool and software, the students of M.Tech were given the working experience of using Primavera and discussed how to work with the software for Project Management in construction industry.
10. At the end of the seminar by Mr Mr. Kuldeep Dixit - Sr. Marketing Executive, Apron India Pvt. Ltd, Gurgaon shared his views about the need for learning the software based skills for the students of Civil Engineering to have an edge in the recruitment world. The question & answer related to various softwares were then taken up by the experts. After that the students were asked to fill the feedback forms for the seminar.

Outcomes of the Event

1. It provided opportunity to the students and faculty members to know about the latest developments, emerging trends in the field of Civil Engineering related to the softwares.
2. To have an industry- institute interaction and build up cordial relations.
3. This gave new perspectives which can lead to further sustainable action and fruitful interactions.
4. The students showed great interest with active participation and the topic was really useful for all students.

5. To direct students about the latest technologies and softwares and their use in the construction industry.
6. The students learned about the various softwares which are of importance related to designing, analyzing and planning in the Construction Industry and how the knowledge of the software could them to get good positions and an edge over the others in industry.

Conclusion

Overall, it was an overwhelming experience where the experts shared their insights and gave new perspectives which can lead to further sustainable action and fruitful interactions.

Glimpses of the Event (Photographs)



Prof. (Dr.) R.K. Malik, HOD, Civil Engineering welcoming and introducing the guests.



Maj. Gen. (Retd.) V. K. Narang, Director, ASET appraised the gathering by his welcome address and sharing with us the importance of this seminar.



The faculties and students attending the seminar on “Application of Softwares in Construction Industry” by Mr. Harish and Mr. Satyam.

3. Event Name: USIEF Presentation on “Full-bright Nehru and other Full-bright Fellowships”

Date & Time: 22nd Feb, 2017 (12.00 noon – 1:00 pm)

Venue: C-214 Smart Room, C-Block, AUG

Organized By: ASET

Faculty Coordinator(s):

1. Professor & Head of Department (CSE), ASET - Dr. Shalini Bhaskar Bajaj,
2. Assistant Professor (CSE), ASET - Ms. Komal,
3. Assistant Professor (CSE), ASET - Mr. Akshat Agarwal,

Participation:

1. No. of Faculty Members: 25
 2. No. of Students: 40
-

Introduction

Amity School of Engineering and Technology organized a presentation on “Fullbright-Nehru and other fullbright Fellowships for Indian Citizens” in co-ordination with USIEF (United States-India Educational Foundation) on 22nd February, 2017 (Wednesday) at Amity University Gurgaon. USIEF is an International foundation- dedicated to higher education in India and the United States with the help of full-bright grants, fellowships, teacher exchange programs and New Century Scholars program.

At the outset, Prof. Dr. Priti Singh extended a floral welcome to the esteemed guest Ms. Pratibha Nair, Program Co-ordinator, USIEF- New Delhi. Ms. Nair currently handles grants for doctoral students and Humphrey fellows at USIEF. She delivered a presentation on various fellowships, discussed various successful stories of Full-brighters and interacted with faculty and students.

Purpose of the Event

The purpose of the event was to confer and discuss various full-bright fellowships provided by USIEF (United States-India Educational Foundation) to researchers, faculty and students of India to pursue doctorate, post-doctorate, teaching associate and other higher studies & research opportunities.

Highlights of the Event

1. Initially, Ms. Komal (Assistant Professor, ASET) introduced about USIEF (United States-India Educational Foundation) and highlighted the portfolio of offerings that USIEF- India Section has for Indian students and researchers. She also introduced the guest speaker of the session- Ms. Pratibha Nair, Program Co-ordinator, USIEF Delhi.
2. Prof. Dr. Priti Singh (Head, Dept. of ECE) extended a warm welcome to the esteemed guest- Ms. Nair, by presenting a bouquet and thanking her for sparing valuable time to motivate students and researchers at Amity University about some specific fellowships of USIEF.
3. In the session, Ms. Pratibha Nair gave a presentation on the distinctive sectors of working of USIEF alongwith Full-bright Nehru and other Full-bright fellowship opportunities provided to doctoral, post-doctoral and senior professors for carrying out research as well as teaching in different Universities of USA depending upon the field of study. She cited examples and achievements of recent full-brighters coming from different fields and Universities/colleges of India and stressed upon the fact that