STUDENT CHAPTER, Punjab Engineering College (Deemed to be University)

From the desk of
FACULTY ADVISOR:
Prof. HarAmrit Singh Sandhu

ASCE PEC student chapter has been a joint endeavour to uphold the spirit of Civil Engineering appreciation and to inculcate a sense of curiosity and respect for the field in the minds of all pupils pursuing it. We at ASCE PEC aim to encourage students to reach new levels of knowledge and interest for Civil Engineering: one of the foundations for the growth and development of our country. I feel proud to act as the faculty advisor for this society and hope that students will show appreciation for the field and come forward to participate in all activities. I hope the coming year brings more laurels for the society and make it reach greater heights.

VISION

ASCE Student Chapter Punjab Engineering College aims to bring together enthusiastic pupils to form an organisation that upholds the spirit of Civil Engineering Morals and Ethics and inculcate a sense of curiosity for the field in the minds of all its students. We at ASCE PEC aim to encourage and create an atmosphere of competition and knowledge sharing, to reach new levels of knowledge and interest for Civil Engineering. We hope to see our country in the capable hands of sharp, informed and knowledgeable Civil Engineers in the future.

EXECUTIVE BODY 2018-19

President : Angadpreet Singh Brar
Vice President : Kirti Bhaskar
Events Head : Prabjot Singh
Marketing and Finance Head : Abhishek Pathania
PR & Publicity Head : Dinker Jain
Concrete Canoe Chair : Tanmay Mahajan
Technical Head : Aashish Monga
Design Head : Khushboo Kadian
Joint Design Head : Sarthik Gupta
EVENTS

DAAD YOUNG AMBASSADORS’ SESSION
(17th February, 2017)
ASCE PEC Chapter organised and managed an interactive session by VANSHAJ VERMA and JASMIN WADHWAI, DAAD Young Ambassadors. It was conducted regarding internships and higher education opportunities in top ranked German Universities.

PRIMAVERA WORKSHOP
(23rd-24th March, 2017)
Primavera, one of the most popular project management software, was taught to 1st and 2nd year students. The concept of CPM-PERT and basic job assignments in Primavera and its applications were discussed. Construction Project Management as a career option was also discussed which will be beneficial for students in future. It was well managed and organised by the ASCE PEC Chapter.

RECONNAISSANCE 2017
The following events took place during Reconnaissance- PEC’s Civil Engineering Techfest.
- ONLINE QUIZ (24th March – 7th April): Online Technical Quiz was held on Facebook.
- Concreto (31st March- 2nd April): Participants were supposed to make a Concrete Canoe 2m long which was tested on various parameters such as floatation, buoyancy etc.
- Quizzard (8th April): General Civil Engineering Quiz.
- Inquisition (8th April): Treasure hunt competition using GPS.
- Trussler (9th April): Spaghetti sticks bridge making competition.
- Drone Mapping Workshop (9th April 2017): Workshop on how drones can be used for land mapping & various tools to produce required map.
- Civil-O-Arc (9th April 2017): Civil Engineering/Architecture based model presentation competition held at RECONNAISSANCE 2017.
- Young Leaders’ Summit- UN Environment Programme Simulation (9th April): A United Nations Environment Simulation Programme with the Agenda of ‘UN SUSTAINABLE DEVELOPMENT GOALS’ was organised by the ASCE PEC Chapter.

National remote sensing workshop in association with ISRS and ISRO
(11th August, 2017)
To celebrate the National Remote Sensing Day, a National workshop on “Popularisation of Remote Sensing based Maps and Geospatial Information” was organised jointly by Indian Society of Remote Sensing (ISRS) and Indian Space Research Organisation (ISRO) which was live streamed at PEC University of Technology, Chandigarh.
INTERNSHIP GUIDANCE SESSION
(16th August, 2017)
ASCE PEC in association with CGDC PEC organized an Internship Guidance Session to enlighten the students about the multidisciplinary internships. The session was taken by various final year students who’ve recently completed their training semester in different fields. There were several queries and doubts concerning the options, scope and application process of various internships which were cleared by the 4th year students. It was a fruitful interactive session between final year and junior students of civil engineering.

RECRUITMENTS EVENTS
(23rd August, 2017)
The recruitment events of American Society for Civil Engineers (ASCE) PEC were conducted for first year students at the campus. A total of four events were organised to check the basic problem solving skills of the individuals:
- Technical Crossword Puzzle
- Guess the Structure
- General Quiz
- Treasure Hunt

FOOD DONATION DRIVE
(4th September, 2017)
The members of ASCE PEC reached out to the needy and poor children living in the slum areas of Sector 25 and Dhanas as a part of the Food Donation Drive here today. Around 100 children were given sandwiches and juices. The ever smiling faces of the children have left a deep impression on our minds.

TRAFFIC AWARENESS HUMAN CHAIN
(13th October, 2017)
ASCE organised a traffic awareness human chain, in which members of the society took the initiative to spread the message to follow traffic rules and regulations through attractive posters and slogans. This awareness campaign was taken up at MatkaChowk, Sector 17, Chandigarh ahead of the festive season because of a high rise in cases related to rash driving, drunken driving, traffic congestions, breaking traffic rules etc.

AutoCAD SOFTWARE WORKSHOP
(27th September, 2017)
The American Society of Civil Engineers organized an AutoCAD workshop in association with Compete India Zone – one of the premier institutions for GATE/IES at PEC University of Technology, Chandigarh to teach the software to the freshers of the institution. AutoCAD is basic drafting software which every undergraduate of civil engineering is expected to be mastered in. Further, various assignments and drawings were provided to the students to keep practising on AutoCAD.
**INTERACTIVE SESSION WITH SAVITA BHATTI AND JYOTSANA PAATNI**

(28th October, 2017)

The American Society of Civil Engineers organized an interactive session with Mrs. Savita Bhatti, Actor/Comedian and Ms Jyotsana Paatni, News Reporter India TV. The session started with a short film “The Story of a Story” written by Late Sh. Jaspal Bhatti and directed by son Jasraj Singh Bhatti featuring Mrs. Savita Bhatti in the lead role. The guests shared in-depth knowledge of the film industry as well as the electronic media. It was a fruitful session in which the members were communicating directly with both the personalities.

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**ASCE PEC’s EVENTS AT PECFEST 2017**

(27th-29th October, 2017)

Events organised were namely:
- Survey Hunt (Surveying event)
- City Design Challenge (AutoCAD based)
- Concreto (Canoe Construction using Concrete)
- Marvels (Online Event)
- Scrape a Soap (Application of Engineering drawing in an innovative way)

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**Attended the ASCE India Conference organised at IITDelhi on “URBANISATION CHALLENGES IN EMERGING ECONOMIES”**

(12th December 2017)

Kirti Bhaskar, Tanmay Mahajan, Mrityunjai Salwan and Aanchal Singh attended the conference.

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**MATLAB WORKSHOP**

(23rd January, 2018)

MATLAB is a multi-paradigm numerical computing environment. MATLAB allows matrix manipulations, plotting of functions and data, implementation of algorithms, creation of user interfaces, and interfacing with programs written in other languages. ASCE in collaboration with SME “Society Of Manufacturing Engineers* organised a workshop for the students. Matlab integrates every aspect of the engineering design process.

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**ETABS WORKSHOP**

(15th January, 2018)

ETABS Software was taught to Civil Engineering students from first and second year.

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**Student Interaction Program**

(19 Feb 2018 -23 Feb 2018)

Three Student Interaction Programmes were organised for the First Year students on Foundation and Brick masonry along with basics of Fluid Statics and Fluid Mechanics.
RECONNAISSANCE 2018
ASCE PEC’s Annual Civil Engineering Technical Fest

Guest Lecture by famous Architect Jit Kumar Gupta on “Intelligent Transportation Systems”

Motivational Talk by Er. CJS Rosha (President-ASCE IS NR) and Dr. RR Singh (HOD-CIVIL)

Guest Lecture by Mr. Randhawa from UltraTech Ready Mix Concrete Plant, Mohali on “Value Added Concrete”.

Drone Mapping Workshop by Mr. Pranjal Singh who was involved in the Drone Mapping Project of Chandigarh Administration.

QUIZZARD- Civil Engineering Technical Quiz

GREEN CANVAS- Research and Solutions to tackle the Bangalore Water Crisis

BUILD A BRIDGE (Overnight Event)- Building a bridge of given span and height to later check for deflections, load, aesthetics.

TENDERS BID- An event revolving around estimations, costing, tenders etc.

INVERTO- Building an inverted structure using popsickle sticks and checking for load, deflections, aesthetics, bending etc.

PRIZE DISTRIBUTION CEREMONY: Mr. Akshaye Raj Aggarwal- Director Compete India Zone was present to give away the prizes to winners of Reconnaissance 2018.

GEOWALL- Mechanically stabilized earth block which was tested for compression.

AQUAJET- Jet which used the hydraulic pressure for propulsion.

ONLINE QUIZ – Civil Engineering Online Quiz was conducted on ASCE PEC Facebook Page.
## Achievements 2017-18

<table>
<thead>
<tr>
<th>Event Name</th>
<th>Position</th>
<th>College-TechFest</th>
<th>Team Members</th>
<th>Dates</th>
</tr>
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<tbody>
<tr>
<td>CAD Modelling</td>
<td>1st Prize</td>
<td>IIT Roorkee-Cognizance</td>
<td>Himani Malik, Pulkit Malik</td>
<td>25-28 Mar'18</td>
</tr>
<tr>
<td>Paper Presentation</td>
<td>1st Prize</td>
<td>IIT Roorkee-Cognizance</td>
<td>Himani Malik, Pulkit Malik, Ankit Nautiyal, Anushi Narula</td>
<td>25-28 Mar'18</td>
</tr>
<tr>
<td>City Design Challenge</td>
<td>1st Prize</td>
<td>IIT Roorkee-Cognizance</td>
<td>Himani Malik, Pulkit Malik, Ankit Nautiyal, Anushi Narula</td>
<td>25-28 Mar'18</td>
</tr>
<tr>
<td>Egg Drop Challenge</td>
<td>2nd Prize</td>
<td>IIT Kanpur - Techkriti 2018</td>
<td>Ajit Kundu</td>
<td>15-18 Mar'18</td>
</tr>
<tr>
<td>Canoe Making Competition</td>
<td>Participation</td>
<td>ASCE National Concrete Canoe Championship-VIT</td>
<td>Aanchal, Manjot Dhodi, Pankaj Goyal, Anish Dhuria, Mukul Girdhar, Mansul, Mukul Pankt, Vishnu, Manav, Sanya, Marisha, Vivek Mishra</td>
<td>14-18 Mar'18</td>
</tr>
<tr>
<td>Bridge Making</td>
<td>Participation</td>
<td>IIT BHU- Technex 2018</td>
<td>Mukul Girdhar, Parth Goel, Gurtaj Singh Thakkar</td>
<td>16-18 Feb'18</td>
</tr>
<tr>
<td>Hydracs</td>
<td>Finalists (top 8)</td>
<td>IIT BHU- Technex 2018</td>
<td>Anish Dhuria, Ishan Gautam, Abhinav Jain, Divyanshu Gupta</td>
<td>16-18 Feb'18</td>
</tr>
<tr>
<td>Green Canvas</td>
<td>4th Prize</td>
<td>IIT Kharagpur-Megalith2018</td>
<td>Plyush, Garushish, Susnato</td>
<td>9-11 Mar'18</td>
</tr>
<tr>
<td>Bridge Making</td>
<td>1st Prize</td>
<td>UIET Goonj</td>
<td>Sachin Garg, Abhishek Saini</td>
<td>24 Feb’18</td>
</tr>
<tr>
<td>Smart City Challenge</td>
<td>1st Prize</td>
<td>IIT Delhi- Tryst 2018</td>
<td>Pulkit Malik</td>
<td>23-26 Feb’18</td>
</tr>
<tr>
<td>Paper Presentation</td>
<td>3rd Prize</td>
<td>IIT Delhi Technical Fest - Tryst 2018</td>
<td>Pulkit Malik and Himani Malik</td>
<td>23-26 Feb’18</td>
</tr>
<tr>
<td>Republic Day Celebration</td>
<td>Commendation Certificate</td>
<td>UT Administration Chandigarh</td>
<td>Prof. HAS Sandhu</td>
<td>26 Jan’18</td>
</tr>
<tr>
<td>Build ’em All (On the Spot)</td>
<td>2nd prize</td>
<td>NIT KurukshetraTechfest - Techspardha - 2018</td>
<td>Aryan S Jajma, Sachin Garg, Anushi and Preeti</td>
<td>20-21 Jan’18</td>
</tr>
<tr>
<td>Build ’em All (Submission)</td>
<td>3rd Prize</td>
<td>NIT KurukshetraTechfest - Techspardha - 2018</td>
<td>Aryan S Jajma, Sahil Garg, Anushi and Preeti</td>
<td>20-21 Jan’18</td>
</tr>
</tbody>
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INTERNATIONAL AWARDS

June 2018
- ASCE PEC Student chapter ranked amongst top 1/3rd Students Chapters across the world (By ASCE, USA)
- Faculty Advisor and Practitioner Advisor recognized for Outstanding dedication and commitment towards ASCE PEC.

June 2017
- Global Award for Significant Improvement in ASCE PEC Student Chapter (By ASCE, USA)
- Best Faculty Advisor Award by ASCE Headquarters, Virginia, USA.

June 2015
- Best Student Award by ASCE Headquarters, Virginia, USA.
SOCIAL EVENT

FAREWELL 2018
The success of an organization is guaranteed when its members are blessed by the foliage of experience and mentorship of their seniors. Seniors - the backbone of the family and the very foundation on which ASCE flourishes and attains new heights every passing year. The Farewell Dinner is a small token of appreciation to them before they depart for their journey ahead leaving us with memories to cherish and moments to remember.

To acknowledge the efforts of our senior family members and celebrate their wonderful journey in the ASCE PEC Chapter, the organisation bid a special adieu to the seniors, by organizing a farewell party on 6th May’18 at CLUB MIAMI.

The special evening was loaded with plethora of fun activities and games for the seniors. They shared their experiences and memories with the juniors and expressed their love for the society. The evening was graced by the presence of our Faculty Advisor Mr. HarAmrit Singh Sandhu, who shared his lovely memories and experiences with the students.

The evening concluded with a cake cutting ceremony and a group photograph with the ASCE family.

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