





# IEEE DTU Activities Report 2013-18


Date	Name	Description/Pictures
Saturday, 27 April 2013	Code marathon	<p>A 24-hour online programming competition exclusively for girls.</p> 
Feb 2014	<p>Troika 2014, TechFest:</p> <ol style="list-style-type: none"> <li>1. Bulls n' Bears: Online Stock Market</li> <li>2. Mist: Online Quiz Competition</li> <li>3. Electrocuton: Hardware Challenge</li> <li>4. Brainwave             <ol style="list-style-type: none"> <li>i. Hardware Challenge</li> <li>ii. Hardware Challenge - II</li> </ol> </li> <li>5. Bits: Offline Coding Competition</li> <li>6. Bytes: Competitive Coding</li> <li>7. Bots: Game Development</li> <li>8. Radix             <ol style="list-style-type: none"> <li>i. Autonomous I &amp; II</li> <li>ii. RoboWar</li> <li>iii. Robo Race</li> </ol> </li> <li>9. Technovision: Paper Presentation Competition</li> <li>10. DesignPro: CAD Designing</li> </ol>	

	11. SPAC: Student Professional Awareness Conference	
11-12 October 2014	Information security and ethical hacking workshop	
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17 April 2015	DTU PROGRAMMING MANIA	<a href="https://www.codechef.com/DTCT2015">https://www.codechef.com/DTCT2015</a> A code sprint hosted by IEEE DTU for DTU students

		 <p>IEEE computer society Presents <b>DTU PROGRAMMING MANIA</b> Prizes worth ₹ 50,000** Date: 11 April 2015 Time: 1:00 P.M. to 12:00 A.M. www.techweekofindia.com #contest1</p>
Friday, 3 July 2015	DTU Programming Mania 2.0	<a href="https://www.codechef.com/DTMA2015">https://www.codechef.com/DTMA2015</a> Version 2.0 of DTU Programming Mania, the code sprint
14 October 2015	Panache'15	<p>The Quizzing Extravaganza</p> 
05 Aug 2016	IEEE Weekday Event	IEEE DTU organized a Weekday Fun Event for the new entrants of the University to interact with IEEE DTU members through fun activities.
05 Aug 2016	Tech Week 2016(workshop)	 <p>Week-long series of workshops which are free and open for all. This is one of the main aspects of our membership drive. TECHWEEK is the annual event at IEEE DTU in which a range of topics of technology were introduced to students like Robotics and Embedded Systems, SolidWorks, Graphic Designing, Programming, Web Development, Animation, Machine Learning, Java, VLSI, IOT, OSS with an aim of providing them with a push start to delve into an interesting world of opportunities.</p>

		 <p>Saw an attendance of 500+ students for these workshops, with registrations in excess of 1200.</p>
12 Aug 2016	India International Conference on Information Processing	<p>India International Conference Information Processing was a first-of-its-kind International Conference organized in DTU which saw the submission of high-quality research, review and survey papers in the respective field.</p> <p>Papers published in IEEE Xplore:  <a href="https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7966476">https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7966476</a></p>
23 Aug 2016	IEEE DTU Orientation	<p>IEEE DTU, every year hosts an orientation session for the new students to explain to them what work IEEE DTU and IEEE does throughout the year and how it can prove useful for them to be a part of an organization that is very well connected in its parent regions like IEEE Delhi Section and IEEE India Region 10</p> <p>Attended by 150 students.</p> 
10 Sep 2016	Delhi Section Congress 2016 (conference)	<p>The two-day event comprised of various leading edge sessions by prominent personalities like Mr. Narang N. Kishor, Founder, NARNIX who elucidated the delegates on the topic, "Importance of Technical Education in Industries" and Mr. Paritosh Sharma, with his opulent</p>



		<p>experience presented a talk on "Question the Present and Build Communities to Push the Human Race Forward".</p> <p>The Congress witnessed top 150 delegates from various engineering college across the section.</p> <p>IEEE Delhi Section also launched its first smartphone application and the third edition of IEEE Delhi SAC Newsletter, 'Eloquence' at the Congress.</p> <p>Moreover, with an effort to uplift Women in Engineering, IEEE Delhi Section WIE AG also launched a project, "We Stand", an initiative which will steadily work towards the growth of Delhi Section WIE as a resilient community which will support and encourage fellow women of the section.</p>
03 Oct 2016	IEEE Day	 <p>IEEE Day is organized to introduce Student Branch Members to the activities which IEEE and its different regions indulge in and what benefits they can gain from it. Attended by 50 students.</p>
15 Oct 2016	Android Programming Workshop	<p>Android Programming Workshop was organized by IEEE DTU in association with Coding Blocks to provide students with extensive knowledge in the field of Android Software Development</p> <p>Total attendance 30</p>
19 Oct 2016	Repertoire 2016	<p>Repertoire has evolved way past its years, and now is ardently recognized as one of the top-notch technical fests in the mainland. Repertoire is a techno-management fest that is aimed at bringing out the managerial side of the</p>



		<p>usual techno-geeks of Delhi-NCR, and giving them a chance to develop their business acumen. The festival involves events like Panache –The Ultimate Quizzing Extravaganza, SPAVe – Test your Business Acumen, Junkyard- Innovate from Junk and Vihaan- Express Engage Empower. 100+ participants</p>
17 Dec 2016	Cloud Computing Workshop	 <p>Cloud Computing has changed the way computing is being done in the past few years, and a workshop was organized in this domain to provide students with an introduction and practical knowledge of the field. 30 participants</p>
10 Feb 2017 - 12 Feb 2017	Troika - Annual Technical Festival of DTU	<p>Annual Tech-Fest, consisting of competitions and events pertaining to various fields of engineering: The list of events under Troika is as follows:</p>
10 Feb 2017 - 12 Feb 2017	Radix	<ol style="list-style-type: none"> <li>1. Robo-Race: An obstacle track is laid down which covers the OAT on which Mech-Bots compete to finish it in time.</li> <li>2. Robo-Wars: An arena between heavy and strong robots riddled with destructive features.</li> <li>3. Autonomous 1: Robots, automated with the use of embedded systems are made to compete on time-testing tracks. Generally, increasing the difficulty level of a normal Line Following Robot Challenge.</li> <li>4. Autonomous 2: Requires robots to use advanced embedded systems incorporating not only line following capability, but, also, different</li> </ol>


		types of sensors acting as an interface between physical reality and computation.
10 Feb 2017 - 12 Feb 2017	Bits, Bytes and Bots	<ol style="list-style-type: none"> <li>1. Bits: On-Site Coding Event, generally innovated to create an interactive environment between teams and a continuous competition.</li> <li>2. Bytes: Online Coding Event.</li> <li>3. Bots: AI Bots, coded by teams, compete in challenges like Anti-Chess and Checkers.</li> </ol>
10 Feb 2017 - 12 Feb 2017	Technovision	Paper Presentation competition divided in 4 categories, Computer Science, Electronics & Electrical, Mechanical and Applied Sciences.
10 Feb 2017 - 12 Feb 2017	Design Pro	<ol style="list-style-type: none"> <li>1.Design-o-thon: On-Site Graphic Designing completion based on an on-spot problem statement, given to the participants.</li> <li>2.3D-Pro: Problem Statement based AutoCAD Modelling competition.</li> <li>3. Sketch-It: Online Sketching based competition.</li> <li>4.Ani-Mission: Problem Statement based Animation Making Competition, requiring the use of softwares like 3DS Max, Adobe Premiere and other video editing and animation tools.</li> </ol>
10 Feb 2017 - 12 Feb 2017	Todo-En-Uno	IQ Ability testing event, for making the Techfest more welcoming to participants with less experience in core-technology based competitions.
10 Feb 2017 - 12 Feb 2017	Electrocution	<ol style="list-style-type: none"> <li>1. Electro: Problem statement based competition for electrical students. No-Code, only wires event of Troika.</li> <li>2. Eureka: Electrical Hardware Presentation Event.</li> </ol>
10 Feb 2017 - 12 Feb 2017	Brainwave	Embedded Systems: A problem statement is uploaded on the website, based on the specifications of which, an electronic hardware has to be developed and presented in front of the judges.



		<p>DIP: Digital Image Processing problem is given to the participants beforehand to be solved and presented on the day of the event.</p> <p>Verilog: Verilog simulation problem will be uploaded on the website.</p>
10 Feb 2017 - 12 Feb 2017	T-Hacks	Annual Hackathon organised during Troika.
10 Feb 2017 - 12 Feb 2017	S-PAVe	Student Professional Awareness Venture, Flagship event of IEEE International. Based on Case Studies and business related aptitude of the students.
10 Feb 2017 - 12 Feb 2017	S-PAC	<p>Student Professional Awareness Conference, Flagship event of IEEE International. Professionals of different areas of expertise are invited to the dais to interact with and inspire the students of DTU.</p> <p>The list of speakers was as follows:</p> <ol style="list-style-type: none"> <li>1. Mr. Sameer Grover, Founder and CEO, Crownit</li> <li>2. Mr. Ajay Gupta, MD, GE Finance India</li> <li>3. Mr. Sanjeev Agarwal, VP, After-Sales, Nissan</li> <li>4. Mr. Ajay Chaturvedi, Founder-HarVa</li> <li>5. Mr. Sanjiv Gupta, Director, Hindustan Prefab Limited</li> </ol>
10 Feb 2017 - 12 Feb 2017	Envision	Software Product Presentation competition.
10 Feb 2017 - 12 Feb 2017	Mist	Online Treasure Hunt.
10 Feb 2017 - 12 Feb 2017	BnB	Online Stock Market Competition.



<p>24 Mar 2017</p>	<p>International Conference on 5G Networks</p>	 <p>IEEE DTU organized a distinguished lecture on security challenges and opportunities for SSN / NFV and 5G Networks on 24th March 2017. Dr. Ashutosh Dutta, Lead Member of Technical Staff, AT&amp;T's Chief Security Office in Middletown, New Jersey, IEEE Communication Society, Distinguished Lecturer and IEEE 5G Initiative Co-Lead delivered the lecture which focused on the security aspects of Virtualization, among other security challenges and opportunities, introduced by Network Virtualization. The lecture opened up new avenues for the students interested in the field of Software - Defined Networking.</p>
<p>01 Apr 2017</p>	<p>Community Outreach Programme</p>	 <p>The event was conducted at Government Co-Ed Senior Secondary School. The student members interacted with the class 12th students and tried to guide them for their upcoming board exams and competitive exams. This programme also aimed to motivate young girls for pursuing careers in STEM and following their dreams.</p>
<p>12 Apr 2017</p>	<p>IEEE Fuchcha Event</p>	<p>This event is held every academic year and is planned, conceptualized and organized by the students in first year of their graduation. This is planned after the annual techfest, Troika, so that the students have some idea of organizing an event before planning the Fuchcha event. The</p>

		main aim of Fuchcha event is to make the new students self-reliable for the coming years.
15 Apr 2017	IEEE MadC (Competition)	 <p>IEEE MadC or Mobile Application Development Contest is a contest organized by IEEE globally, in which participants are required to put forward ideas for a mobile application that will help in the betterment of the society.</p>
01 Jun 2017	IEEE Summer Projects	All IEEE DTU SB members take up a project of their choice, depending on their field of work and work as a team to create projects which would make an impact.
16 Jun 2017-17 Jun 2017	Programming Boot Camp	Programming Interviews Boot Camp is a workshop, organized with the aim of preparing students for their programming interviews. For the last three years, IEEE DTU has been organizing Boot Camp for the benefits of students so that they can perform well in their placement as well as internship interviews.
2nd August, 2017	Project Exhibition	<p>Exhibition of various projects created by students of IEEE DTU</p> <p>The aim of the event was to encourage students, especially freshers, to explore the field of engineering and what all could be done as a core engineer.</p> <p>Saw a footfall in excess of 1600 students.</p>
21-27 August, 2017	Techweek	

		<p>A week-long series of workshops which are free and open for all.</p> <p>With an objective to increase membership in IEEE and introduce participants to various fields of technology.</p> <p>Saw an attendance of 600+ students for these workshops, with registrations in excess of 1400.</p>
10th September, 2017	Spring Framework in collaboration with Women Who Code	<p>Workshop about Spring Framework, which is a Java-based application development framework.</p> <p>The session was conducted by Stuti Verma, a Full Stack Developer working with Incedo Technology Solutions Limited.</p>  <p>The 2 hour long session covered the fundamentals of application development using Spring framework.</p> <p>Around 45 students and professionals participated in the session.</p>
4th October, 2017	Artificial Intelligence based Safety and Design Practice in Autonomous Driving	<p>Talk on the topic of usage of artificial intelligence in autonomous driving, specifically covering safety and design practice</p>

		 <p>The lecture was given by Mr. Animesh Mishra, Principal engineer at Intel.</p>  <p>Lecture attended by 120 participants.</p>
<p>13-14 October, 2017</p>	<p>IEEEExtreme 11.0</p>	<p>Worldwide online coding competition with one of the centers in DTU.</p> <p>Participated by 75+ teams i.e., 200+ participants</p> <p>DTU served as the local guide of neighboring colleges like MAIT, BPIT, etc.</p>
<p>27-28 October, 2017</p>	<p>Vihaan</p>	 <p>Vihaan is organized under the flagship of IEEE DTU Women In Engineering (WIE) Affinity Group, the largest professional organization dedicated to encouraging women to take up STEM fields. This time, a 24-hour Hackathon was organized where software developers and programmers could come together to develop products, providing</p>

		<p>innovative solutions to everyday problems based on the event theme. Projects were then judged by industry professionals based on the level of creativity, innovation, technologies used and the relevance of the projects.</p> <p>Number of Participants: 350+ people participated in the event.</p> <p>Quality of Participants: All participants were shortlisted based on their profiles on different platforms like GitHub.</p> <p>Improved Industry Involvement: Judges were invited from different areas of expertise to judge the projects on different aspects.</p> <p>Driving Innovations: Products in the form of mobile applications, to websites making use of technologies pertaining to Artificial Intelligence and Blockchain, were developed during the Hackathon.</p> <p>Vihaan Published in different News:  <a href="http://indianexpress.com/.../dtu-students-develop-click-with.../">http://indianexpress.com/.../dtu-students-develop-click-with.../</a>  <a href="http://www.business-standard.com/.../dtu-students-develop-cli...">http://www.business-standard.com/.../dtu-students-develop-cli...</a></p>
19th September, 2017	Lecture on Self-Governance for Good Governance	<p>Organized a motivational talk by Dr. Mohit Dayal Gupta (an Eminent Prof. of Cardiology, G.B. Pant Hospital, New Delhi).</p> <p>Around 75 people participated.</p>
14th January, 2018	Workshop on Deep Dive into Competitive Programming	<p>The aim of the event was to deep dive into Dynamic Programming, Basic and Advanced, with hands-on Coding sessions.</p> <p>We managed around 45 participants for this session.</p>
12-14 February, 2018	Troika '18 – Annual Technical fest of IEEE DTU	<p>25<sup>th</sup> edition of the annual technical fest of IEEE DTU</p> <p>14 events are held during Troika. These include, among others, IEEE DTU's flagship events S-PAC (series of talks by industry professionals)</p>

		<p>and SPAVe (non-technical business acumen event) and online events such as MIST (online cryptography hunt).</p> <p>Total participation of 1500+ students in on-campus events and 1000+ in online events from various countries.</p>
30-31 March, 2018	<p>WAC Fiesta, DTU in association with What After College</p> <p>(Workshop)</p>	<p>Workshop series conducted to impart industry knowledge within participating students.</p> <p>Involved a series of talks by renowned public figures, various technical and non-technical workshops over the span of two days, and a cultural event.</p> <p>Total participation of 600+ students and various industry professionals.</p>
21-22 April 2018	<p>Programming Bootcamp in association with Coding Blocks (workshop)</p>	<p>There were certain programming topics that were taught such as Trees, Arrays, Dynamic Programming etc.</p> <p>Taught by renowned mentors of Coding Blocks namely Prateek Narang, Rajesh Sachdev, and Rajkishor Ranjan.</p> <p>The workshop saw around 200 students participate.</p>
April, 2018	Orphanage Visit	<p>IEEE PES-IAS DTU Student Chapter believes that our growth is equally important as the growth of others. It organized a visit to a nearby orphanage. The members, got to interact with the children there. They spent some time with them, played games, organized a drawing competition and gave the winner, a prize. Some members, voluntarily, distributed their old books to the children.</p>
4-11 September, 2018	Techweek	<p>A week-long series of workshops which are free and open for all on various technical topics.</p>

20-21 October, 2018	IEEEExtreme 12.0	A worldwide online coding competition featuring sets of coding-based problems.
3-4 November	Delhi Section Student Conference	A technical conference where students from the Delhi Section of Region 10 gather together to attend various talks by industry professionals and participate in various competitions.