







Institution of Electrical and Electronics Engineers (IEEE) Student Chapter Activities

2017-18

Date of activity	Title of the Activity	Objective of the activity	Description of the activity	Evidence of Success (Achievements /Photos)
20/1/2018	Guest lecture / Mentorship Session	To enhance knowledge about Robotics and its advancements in the modern industries	IEEE Session on Robotics with Mr. Siddhant Gangapurvala, conducted via Skype as he is currently based in UK, pursuing his PhD in Autonomous Intelligent Machines and Systems The main topic of discussion was Robotics and its advancements in the modern industries	
25/1/2018	Guest lecture / Mentorship Session	To give an overall understanding of various technologies used for implementation of a robust and scalable end to end IOT solution.	IEEE Mentorship Session on IOT by Mr. Viraj padte via Skype. The main topic of discussion was IOT and the inroads it is making in various sectors	

	Guest /Seminar lecture	A successful seminar on how to crack the civil services examinations	IEEE Brainwaves yet again conducted a successful seminar on how to crack the civil services examinations which was delivered by Mr. Prajit Nair, IAS officer. He shared his experience of preparing for the examination and gave tips on how to prepare yourself for the various rounds.	
23/1/2018	Industrial Visit	The purpose of the visit was to enhance industry exposure of the students and to get practical insights into manufacturing procedures.	An Industrial visit to Machinecraft.org, Mira Road (East) was organized by the IEEE Committee of Dwarkadas J. Sanghvi College Of Engineering on Tuesday, 23rd January, 2018. The committee visited the company to interact with the machine Industry and to understand current market scenarios, latest demanding technologies & criteria for selection etc.	

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6/03/2017	Industrial Visit To Imaginarium	To provide depth knowledge about manufacturing of various goods and the how the machines were designed and work.	Imaginarium is India's largest Rapid Prototyping and Rapid Manufacturing Center. The visit was assisted by Abhishek Pathkar, Imaginarium. They provide prototypes to an assortment of industries from jewellery, engineering, automotive, architecture, consumer goods, etc.	
18/01/2017	Industrial Visit	The objective of the visit was to give the students a first-hand experience about the satellite and the entire venture from inception	The first Industrial visit by IEEE Brainwaves was to IIT Bombay; which is home to the first student satellite, Pratham is an Indian ionospheric research satellite which is being operated by the Indian Institute of Technology, Bombay as part of the Student Satellite Initiative. Its primary mission is to count electrons in the Earth's ionosphere.	

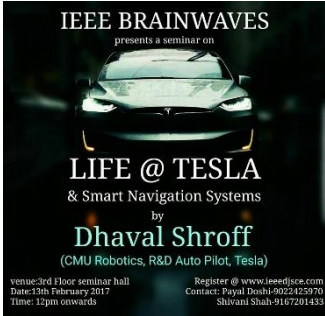
<p>20/03/2017</p>	<p>Industrial Visit to Endress Häuser</p>	<p>to provide various programs as part of Continuous Improvement program and Academic- Industry interaction. to give the students exposure to current best practices in the industry</p>	<p>Endress+Hauser Wetzler a German company, one of the leading producers of temperature measurement, temperature engineered solutions and system products worldwide. It began with the students being briefed about everything related to the company and the activities at the Aurangabad factory. They were then taken for a round of the factory in which each of the manufacturing process was shown to them and explained as to why and how the process is carried out.</p>	 
<p>21/01/2017</p>	<p>Guest lecture / Mentorship Session on RoboWars</p>	<p>To encourage students to take their first dive into the enriching and deeply complex world of robot-wars</p>	<p>Seminar was conducted by Mr. Kaushal Bhuva, an alumnus of our College who is currently pursuing M. Tech from IIT-B in Electronic Systems and has worked in ACG Worldwide R&D Centre. He is a winner of IIT-B Robowars 2016- League Of Legends, Quarter finals in 2017.</p>	

13/02/2017

Guest lecture /Seminar On Smart Navigation Tesla

To give students insights of Smart Navigation as it seems to be at the cutting edge of the automotive industry

Seminar was conducted by **Mr. Dhaval Shroff**, R&D department of autopilot, Tesla. He shared many anecdotes and technical insights of the various technologies he has worked.

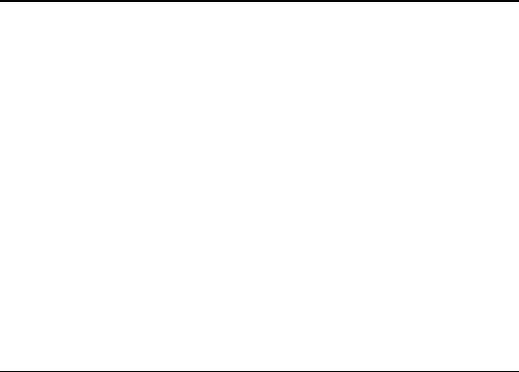



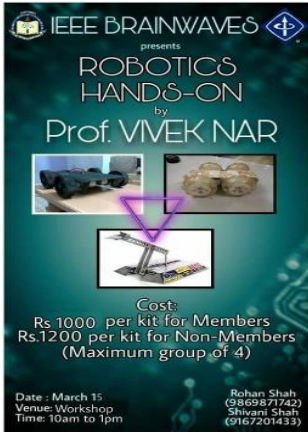
18/02/2017

Guest lecture /Seminar On Maze Solver



given detail information of Maze solvers , which are intricately designed robots.



Seminar was conducted by **Mr. Abhishek Kamath, Intel**. Maze solvers are intricately designed robots, requiring knowledge of computers, electronics and mechanics. Students were given detail information of the same




<p>15/03/2017</p>	<p>Workshop on Robotics</p>	<p>to provide hands on experience on robot building.</p>	<p>A session on ROBOTICS conducted by Mr. Vivek Nar. The students were also introduced to background on competitive robotic design, the fundamentals of building robots from scratch, the mindset of working in a team, building robots for competitions, and demonstration of automated and aquabots and gliders.</p>	 
<p>23,24,25/03/2017</p>	<p>Robo-Racing(Trinity)</p>	<p>to provide hands on experience on robot building</p>	<p>In this event IEEE Brainwaves had a track designed in an area of 16ft × 16ft. The track consisted of different slopes and challenging obstacles to be driven on, for the participants. The entire track was designed and prepared by the IEEE tech-team with assistance from the SE Co-committee members</p>	


2015-16

Date of activity	Title of the Activity	Objective of the activity	Description of the activity	Evidence of Success (Achievements /Photos)
9/1/2016	Guest lecture/seminar		seminar by the renowned Professor Khanjan Mehta , Founding Director of Humanitarian Engineering and Social Entrepreneurship(HESE) Program at Penn State University, USA and also a proud alumni of DJ Sanghvi College. He discussed about Social Entrepreneurship and Humanitarian Engineering	 

	Industrial Visit To Imaginarium	Exposure to industries	IEEE had organized an industrial visit to imaginarium	
10/2/2016	a Talk by Rushabh Doshi	about the internship opportunities available	IEEE had organized a Talk by Rushabh Doshi, who is a D J Sanghvi alumni from the 2008 batch and has done his masters from Imperial College, London. The Members got to know about the future career options after their degree and about Rushabh's projects	
25/2/2016	A workshop on parallel computing	The workshop aimed at introducing some of the key tools for parallel scientific computing and embedded computing	<p>A workshop on parallel computing with GPU was organized by a team from Indian Institute of Technology Bombay (IITB)</p> <p>The workshop was divided into three sessions:</p> <ol style="list-style-type: none"> 1) Parallel computing with MATLAB 2) GPU computing with CUDA 3) Embedded Super Computing with Jetson TK1 board 	

18/2/2016	An Industrial visit to the Mercedes-Benz India Pvt. Ltd		<p>An Industrial visit to the Mercedes-Benz India Pvt. Ltd. plant located in Pune, MIDC Chakan was organized. Session covered the working of the machines and the basic electronics present in every part of the luxury car being made there. By the end of the tour members were made acquainted with the cleaning, painting and the complex testing process that every car had to go through.</p>	 <p>The image on the right is a composite of two photographs. The top photograph shows a glowing, futuristic car grille with the text: "DUSCE's IEEE BRAINWAVES is proud to announce an Industrial Visit to MERCEDES BENZ, Pune on 18th February, 2016." and the IEEE logo. The bottom photograph shows a group of approximately 15 people, including students and faculty, standing in a line in a modern industrial setting. Behind them is a large wall with the Mercedes-Benz logo and social media handles for #MercedesPune and @MercedesIndia.</p>
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2014-15

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8/10/2014	Guest lecture /Seminar	To give students insights of Parallel computing	Prof. PSV Nataraj interacted with the students on topics such as Parallel Computing. Approximately 120 students attended the talk conducted in the seminar hall.	
24/3/2015	Industrial Visit to Dahanu Reliance Power Plant	To provide Exposure to practical power generation systems	An industrial Visit to Dahanu Reliance Power Plant was organised by IEEE team of Electronic department.	
12/8/2014	Workshop- KiCAD	To give exposure to professional PCB design tools	Workshop-KiCAD open source tool for PCB design was conducted by Prof. Dr. Prasad Joshi Head- Electronics Department	
8/10/14	Project display	To give technical exposure, enhance Effective presentation skills & team work	As a part of the IEEE Day, several other attractions for the students such as Frozen Wave, Virtual Reality and Ferro magnetic fluid were demonstrated all of which were prepared by the organizing committee members	