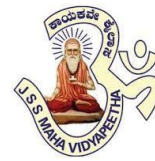




**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education, Noida**  
**Department of Electronics & Communication Engineering.**



**QUANTA** is the official society of the Electronics & Communication department of JSS Academy of Technical Education. It is a group of students from all the four years, who have an urge to mold the ideas imparted to them through theoretical knowledge into reality and envisage a society guided by innovation and advancement.

**MISSION:** Our Mission has always been to ignite the spark of any student who wishes to broaden their skillset and provide them with a platform where they can reach various dimensions of next generation electronics through their knowledge, creativity, and imagination.

**VISION:** Our society envisions to introduce the students to the new features of electronics and technology and to assist them to transform their ideas to create real world applications. We aim to compete with the latest forms of technology and harness the efforts of the like-minded people in order to create a pool of learning and growing.

**Quanta Activity Details of Last 6 Years:**

2020-21						
S. No.	Event Name	About Event	Date (From)	Date (To)	Faculty Coordinator	Student Coordinator
1	Orientation Program	In the orientation programme, the QUANTA team briefed the first year students about its working, achievements, and future events. About 250 students were in attendance for this orientation program.	07-12-2020	07-12-2020	Mrs Chhaya Grover Mr Deependra Sharma	Mr Anuj Jain
2	Breaking Billet	To organize a webinar in which our alumnus will be invited to share their experience in industry with students of 2nd and 3rd years	19-12-2020	19-12-2020	Mrs Chhaya Grover Mr Deependra Sharma	Mr Anuj Jain
3	Embedded Systems Workshop	Workshops on Embedded Systems was	24-04-2021	26-04-2021	Mrs Chhaya Grover	Mr Anuj Jain

		conducted in the Electronics Department for the students of first year. 101 participated in the workshop, with a maximum of 4 members in each team.			Mr Deependra Sharma	
4	Recruitments	An aptitude test and PI would be conducted to recruit student from first year into Team Quanta. The recruitments were completed by selecting 24 students based on their profile and performance.	16-10-2021	18-10-2021	Mrs Chhaya Grover  Mr Deependra Sharma	Mr Anuj Jain

Gallery:



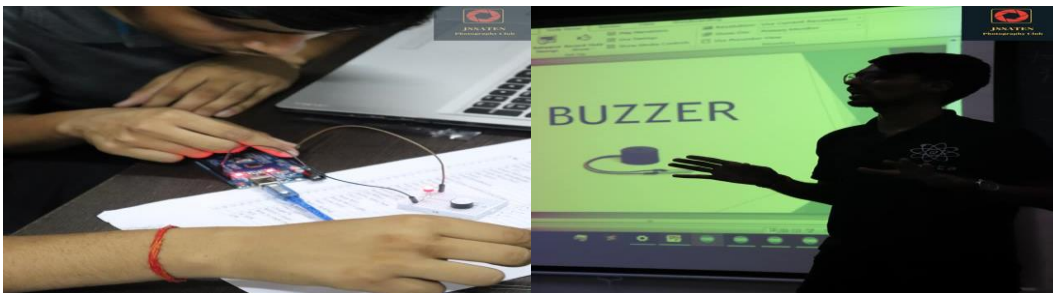
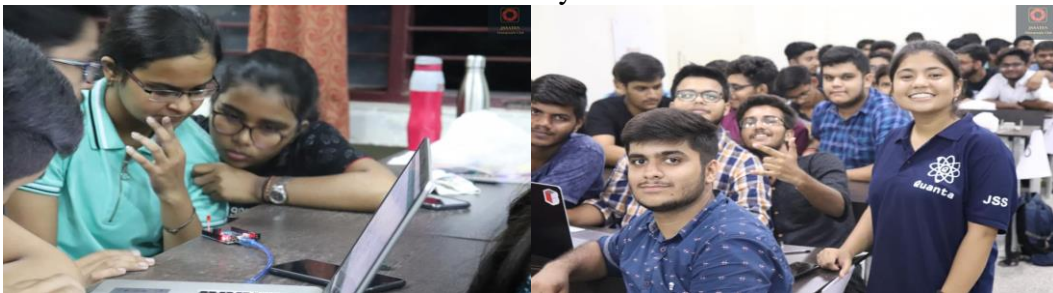
2019-20

S. No.	Event Name	About Event	Date (From)	Date (To)	Faculty Coordinator	Student Coordinator
5	Orientation Program	In the orientation programme, the	07-08-2019	07-08-2019	Mrs Chhaya Grover	Mr Anmol Gupta

		QUANTA team briefed the first-year students about its working, achievements, and future events. About 250 students were in attendance for this orientation program.			Mr Deependra Sharma	
6	Embedded Systems, IOT & Software Development Workshop	Two simultaneous workshops on Embedded Systems and IOT and Embedded Systems and Software Development were conducted from 3 <sup>rd</sup> September 2019 to 7 <sup>th</sup> September 2019 in the Electronics Department for the students of first year. 51 teams participated in the workshop, with a maximum of 4 members in each team.	03-09-2019	07-09-2019	Mrs Chhaya Grover  Mr Deependra Sharma	Mr Anmol Gupta
7	Recruitments	An aptitude test and PI would be conducted to recruit student from first year into Team Quanta. The recruitments were completed by selecting 21 students from first year based on	16-10-2019	18-10-2019	Mrs Chhaya Grover  Mr Deependra Sharma	Mr Anmol Gupta

		their profile and performance. 3 students were also recruited from 2 <sup>nd</sup> Year.				
8	Manual Robotics Workshop	Manual Robotics workshop was held instilling the concepts of manual robotics and image processing among students. The participant students were to make a manual bot based on pick, place, and drill mechanism. Five students per team were given separate kits and were guided by the appointed mentors throughout the workshop.	28-02-2020	03-03-2020	Mrs Chhaya Grover  Mr Deependra Sharma	Mr Anmol Gupta

Gallery:



<b>S. No.</b>	<b>Event Name</b>	<b>About Event</b>	<b>Date (From)</b>	<b>Date (To)</b>	<b>Faculty Coordinator</b>	<b>Student Coordinator</b>
9	Orientation Program	In the orientation programme, the QUANTA team briefed the first year students about its working, achievements, and future events. About 100 students were in attendance for this orientation program.	03-08-2018	03-08-2018	Mrs Chhaya Grover	Mr. Shri Hari
10	Workshop on Tech-Bias	This workshop was conducted for the second-year students with the aim to introduce them about various technologies such as python programming, machine learning, image processing, networking, raspberry pi, firebird and IoT.	27-08-2018	31-08-2018	Mrs Chhaya Grover	Mr. Shri Hari
11	Embedded Systems and IOT Workshop	The workshop was organized to educate the students about the basics of Arduino. Students were given insights into different types of motors, sensors, and its interfacing with the Arduino. Student also learnt the LFR (line follower Robot), its	24-09-2018	28-09-2018	Mrs Chhaya Grover	Mr. Shri Hari

		working and tested it on the sample track. Students also completed various mini projects based on IOT (Internet of Things).				
12	Manual Robotics Workshop	A workshop on manual robotics which was where students were taught to make their own pick and place bot. With 14 teams of excited first years the workshop started with briefing the students about manual robotics and difference between manual and autonomous robots. Each team was then provided with their kit and mentors were appointed to guide them throughout the workshop. Over the days assembling of components were discussed. Soldering was also discussed to help them make their own remotes. The students were also taught about the various switches	12-02-2019	15-02-2019	Mrs Chhaya Grover	Mr. Shri Hari

		and motors. The first-year students showed great interest and were transfixed with all the work going around them.				
13	Techno – Cultural Fest (Zealicon)	Quanta conducted four events in Zealicon. They were: 1. Excellencia 2. Robolympics 3. Tomorrow's Tesla 4. Mighty Maneuvers	5-3-2019	8-3-2019	Mrs Chhaya Grover	Mr. Shri Hari

Gallery:



2017-18

S. No.	Event Name	About Event	Date (From)	Date (To)	Faculty Coordinator	Student Coordinator
14	Orientation Program	In the orientation programme, the QUANTA team briefed the first year students about its working, achievements, and future events.	31-8-2017	31-8-2017	Mrs Chhaya Grover	

		About 75 students were in attendance for this orientation program.				
15	Arduino Basics and LFR Workshop	35 teams participated in the four-day workshop conducted in the department. Major topics under discussion were basics of Electronics, Arduino, and LFR. The Quanta team assisted the students in completing the Arduino based projects.	19-09-2017	22-09-2017	Mrs Chhaya Grover	Mr. Saksham Garg Mr. Rishabh Handa Mr. Prakhar Srivastava Mr. Saksham Katiyar
16	Time Seminar	A fruitful seminar was conducted for the students to empower them with valuable insight regarding the process of job applications, interviews, aptitude tests etc.	9-11-2017	9-11-2017	Mrs Chhaya Grover	Mr. Saksham Garg
17	Manual Robotics Workshop	The aim of this workshop was to inculcate the students about the basic idea of the manual ROBOT. They were briefed about different aspects of robotics such as robotic gears, motors, and switches. Finally, they were able to	07-02-2018	10-02-2018	Mrs Chhaya Grover	Mr. Saksham Garg Mr. Aditya Mr. Raj



		demonstrate a manually controlled robot without human intervention involving pick-up and throw mechanism etc.				
18	Techno – Cultural Fest (Zealicon)	Following four events were conducted by Zealicon. 1. Tomorrow's Tesla 2. Robolympics 3. Mighty Maneuvers 4. Electro hunt	14-3-2018	17-3-2018	Mrs Chhaya Grover	Mr. Saksham Garg

Gallery:



2016-17

S. No.	Event Name	About Event	Date (From)	Date (To)	Faculty Coordinator	Student Coordinator
19	Orientation Program	In the Orientation programme, the	29-8-2016	29-8-2016	Mrs Chhaya Grover	Mr. Rishab Puri

		team QUANTA introduced the first-year students about teamwork, achievements, and upcoming plans of Team QUANTA.				
20	Arduino & LFR Workshop	The workshop was organized to educate the students about the basics of Arduino. They were introduced about different types of motors, sensors, and its interfacing with the Arduino. Students also learnt the LFR (line follower Robot), working and testing it on the sample track.	26-09-2016	30-09-2016	Mrs Chhaya Grover	Mr. Rishab Puri
21	AKTU TECHNICAL FEST	In this fest, Bluetooth controlled bots, Arduino Basics and LFR Workshop were demonstrated.	22-9-2016	22-9-2016	Mrs Chhaya Grover	Mr. Rishab Puri
22	Manual Robotics Workshop	The aim of this workshop was to inform the students about the basic concepts of the manual ROBOT. They were explained about the Robots, robotic gears, motors, and switches. Finally, they were able to	27-2-2017	2-3-2017	Mrs Chhaya Grover	Mr. Rishab Puri

		demonstrate a manually controlled robot without human intervention involving pick up and throw mechanism etc.				
23	Seminar by TIME Education Pvt. Ltd.	The guidance was delivered by a specialist from TIME on useful tips and tricks related to cracking of aptitude exams.	23-2-2017	23-2-2017	Mrs Chhaya Grover	Mr. Rishab Puri
24	Techno - Cultural Fest (Zealicon)	Following events were conducted by Quanta in Zealicon: a) Game of Techies b) WHI/B Walkers c) Mocking Birds d) Battle of Roadsters	28-3-2017	30-3-2017	Mrs Chhaya Grover	Mr. Rishab Puri

Gallery:



2015-16						
S. No.	Event Name	About Event	Date (From)	Date (To)	Faculty Coordinator	Student Coordinator
25	Orientation Program	In the orientation programme, the QUANTA team briefed the first year students about its working, achievements, and future events. About 45 students were in attendance for this orientation program.	29-8-2015	29-8-2015	Mrs Chhaya Grover	Mr. Suryansh Pandey
26	Workshop on Embedded and Robotics	Basic introduction of robotics and embedded systems were given to the students. The workshop was organized to educate the students about the basics of Arduino. Students were given insights into different types of motors, sensors, and its interfacing with the Arduino.	05-10-2015	07-10-2015	Mrs Chhaya Grover	Mr. Suryansh Pandey

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