e-yantra Lab SKIT

Embedded Systems and Robotics Lab
(in collaboration with IIT Bombay)

Faculty Coordinators:

Mr. Praveen Saraswat
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Department of ME

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Department of EE

Mr. Ankit Agarwal
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Department of ECE

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ankit.agarwal@skit.ac.in

Regular activities conducted under e-yantra in Session 2020-21

Following activities have been conducted in online mode in the session 2020-21:

S. No.	Date	Mode of the Activity	Name of Event
1	12 August 2020	Online (Google meet)	IDEATHON Event
2	23 December 2020	Online (Google meet)	Talk on Applications of Embedded C Language and electronic devices
3	20 May 2021	Online Workshop (WebEx Meet)	DRONE from scratch

Ideathon Event

Date:- 12/08/2020

Venue:- Google Meet (Online)

Object:-To explore the innovative ideas for developing smart products by using concept of robotics and embedded,

Detail (Execution):-The Competition was performed in two rounds. For the first round, participants were asked about an idea to make Gadgets with the help of robotics stuff. The participants selected were asked to submit the reports of their projects in the google classroom for the second round.

Poster of the Event:-

Registration of the Participants:-

Sr. No.	Name of Participant	Email ID
1	Ashvin singh	ashvinsingh507@gmail.com
2	Ritish Khurana	khuranaritish2002@gmail.com
3	Shikhar Gupta	kanhagupta2406@gmail.com
4	Naman bachlas	namanoverseas11@gmail.com
5	Prabhat Gupta	gupta.prabhat32@gmail.com
6	Samritidevi	samritidevi9@gmail.com
7	B.KOKHILA	kokhilakokhila5@gmail.com
8	Priyanshi	priyanshi10017@gmail.com
9	ARYA REMANAN	aryaremanan1999@gmail.com
10	Palak vashishtha	palakvashishtha04@gmail.com
11	Shubham Udsaria	sudsaria94@gmail.com
12	Vishal sen	vishalsain.9751@gmail.com
13	Harshit Baranda	harshitb745@gmail.com
14	Adarsh Kumar Singh	adarshsingh5969@gmail.com
15	Bhavya Deep Sharma	bhavyas340@gmail.com
16	Palak gupta	palakguptanl@gmail.com
17	RashiKinra	kinrarashi27@gmail.com
18	Shubham Soni	shubhamsoni2608@gmail.com
19	Rajat singh	rajatsingh01951@gmail.com
20	Ankit Mathur	ankitmathur9798@gmail.com
21	Divyanshu Sharma	divyanshsharma2602@gmail.com
22	Shivanshdosi	shivanshdosi@gmail.com
23	Divyanshu Pareek	divyanshu2602@gmail.com
24	Yash Raj Mishra	yashrraj.mishra@gmail.com
25	MAHEBOOB.M.HALIMANAVAR	maheboobhalimanavar786@gmail.com
26	Naveen kanireddy	naveenkanireddy153@gmail.com
27	Prateek agrawal	prateekagrawal1215225@gmail.com
28	Mansi Sharma	mansisharma9462@gmail.com
29	Sanjay Kumar	sanjaykumr2707@gmail.com
30	Saurabh singhjat	Saurabhsinghjat3001@gmail.com
31	kalash jain	kalashjain72@gmail.com
32	Rakshita Agarwal	agarakshita01@gmail.com
33	Pratik singh	pratieekksingh05@gmail.com
34	Sahil Mahala	sahilmahala2000@gmail.com
35	Ajit Singh Shekhawat	singhaju397@gmail.com
36	Rakesh reddy	rakeshreddykunduru24@gmail.com
37	Nikhil Kanna	nikhilkanna6464@gmail.com
38	Aman Baheti	amanbaheti913@gmail.com
39	Kritika Surana	kritikasurana0808@gmail.com
40	Akshat Jain	jainaksh2000105@gmail.com
41	dixit awasthi	dasstar1123@gmail.com
42	Aayush jain	amanshujain2002@gmail.com

43	PriyanshuPareta	priyanshupareta987@gmail.com
44	Nehal kumar	kumarnehal446@gmail.com
45	Anurag singh	anur111177ag@gmail.com
46	Aryan Sharma	aryansharmalucifer@gmail.com
47	Vansh Agrawal	vansh.go.va@gmail.com
48	Ishan shrimali	ishanshrimali12@gmail.com
49	Ritika Agarwal	rittuagarwal17@gmail.com
50	Lokesh kumarsaini	sainilokesh300@gmail.com
51	Bhuvan Sharma	bhuvisharma6734@gmail.com
52	Jatindhyawana	btech18eskme051@skit.ac.in
53	Dhruv Jain	dhruvrjain19@gmail.com
54	Lovishyadav	2019pceitlovish28@poornima.org
55	Gautam Sharma	2019pietcsgautam63@poornima.org
56	Brijesh Nenwani	brijeshnenwani@gmail.com
57	Harpreet Singh	singhharpreet92001@gmail.com

Sample of the Certificate:-

A Talk on Applications of Embedded C Language and electronic devices

Venue:- Online (Google Meet)

Time:- 4:00pm-5:00pm

Date :- 23/12/2020

Objective of the Event:- To introduce basic C Language and electronic devices.

Instructor: Prabhat Gupta (B. Tech. 2nd year, CS)

Details(Execution):- The session started with a basic introduction to the embedded C then the students were ask to practice the programs which were presented by the instructor and the questions were discussed based on the programs which were shown in the class.

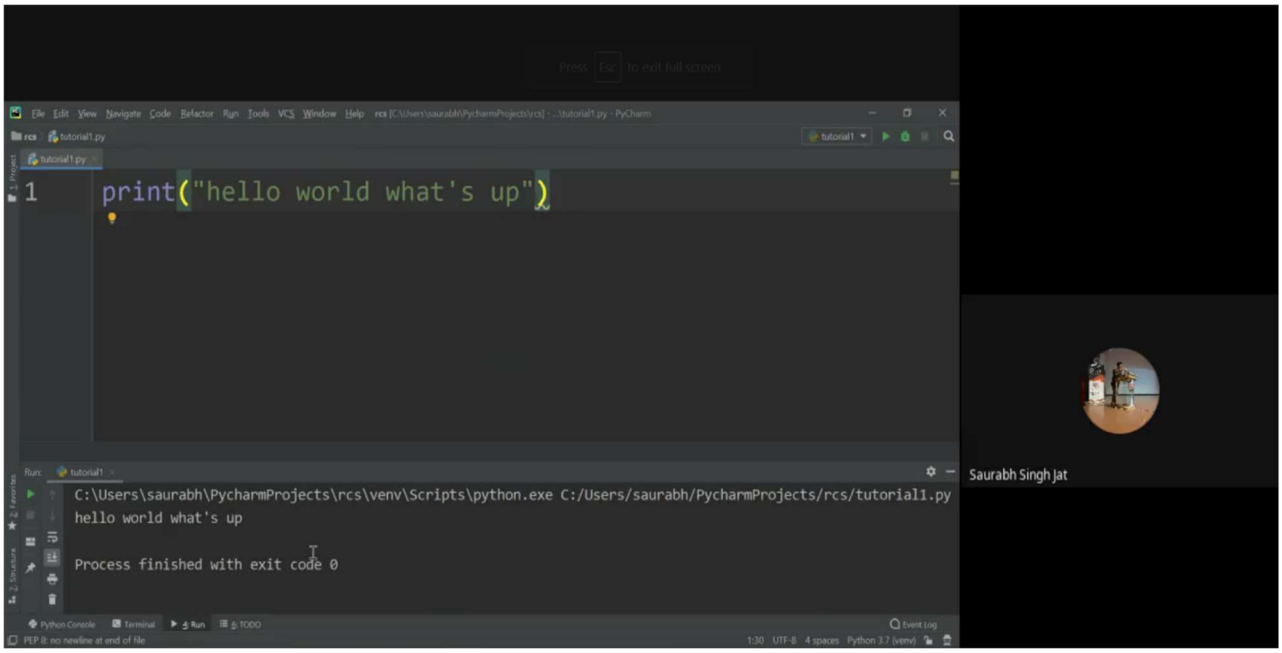
The session concluded with a query session for the students in which they ask various questions and all their problems were solved.

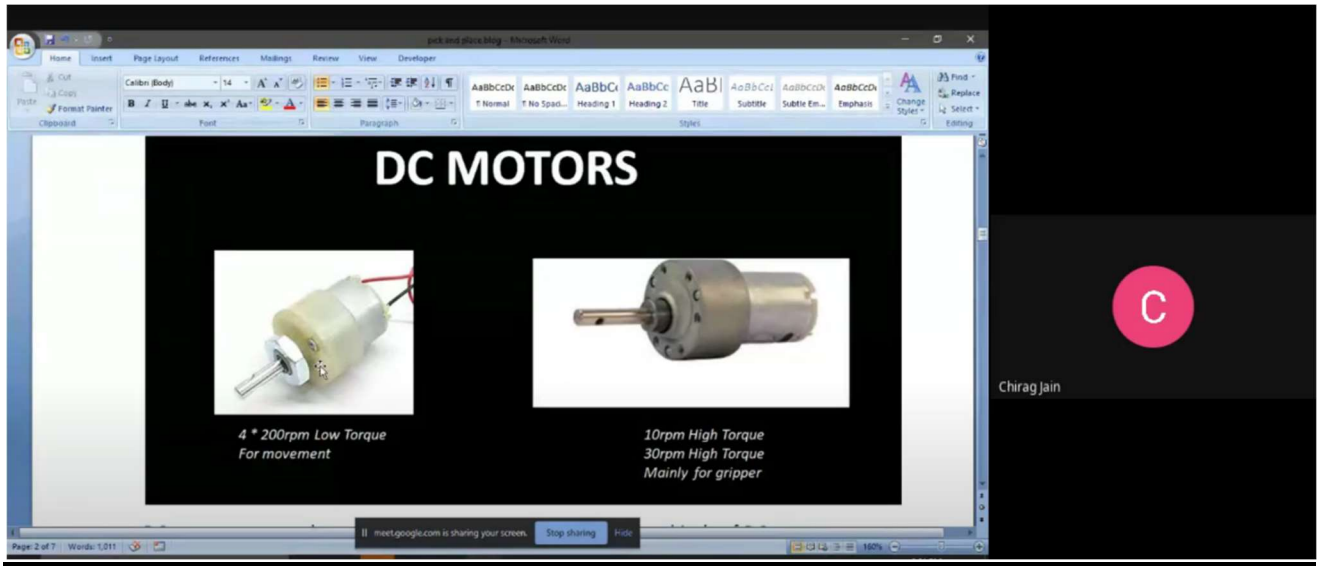
Attendance of the participants:-

Sr. No.	Name
1	Aakash Dadhich
2	Abhishek Kumawat
3	Aditya Agarwal
4	Ajay Sharma
5	Akshit Tiwari
6	Angelina Smith
7	Arvind Yadav
8	Ashu Agarwal
9	Ashutosh Tiwari
10	Bhanupriya Panwar
11	Devanshu Sharma
12	Devesh Kasera
13	Dhairya Gupta
14	Divya Meena
15	Divyanshu Pareek
16	Garvit Mathur
17	Geetam Bhardwaj
18	Harshit Totuka
19	Jayesh Vashishtha
20	Kalash Jain

Sr. No.	Name
21	Kartikeya Dixit
22	Kavita Sharma
23	Mohit Soni
24	Navneet Sagar
25	Nikunj Singh
26	Om Verma
27	Piyush Agrawal
28	Prabhat Gupta
29	Prakhar
30	Priyanshu Goyal
31	Pulkit Gupta
32	Rahul Jain
33	Rakshita Jadoun
34	Ronak Kumawat
35	Saurabh Singh Jat
36	Shubham Menroy
37	Suraj Jaimini
38	Suraj Singh
39	Tanishk Goyal
40	Tarun Jain
41	Tushar Sanadhya

Photos of The Event:-





Drone Workshop

Date:- 20/05/2021

Venue:-WebEx Meet (Online Mode)

Time:- 4:00pm – 6:00pm

Objective Of the Workshop:- Drone Workshop

Instructors:- Praveen Saraswat (Incharge, e-yantra lab)

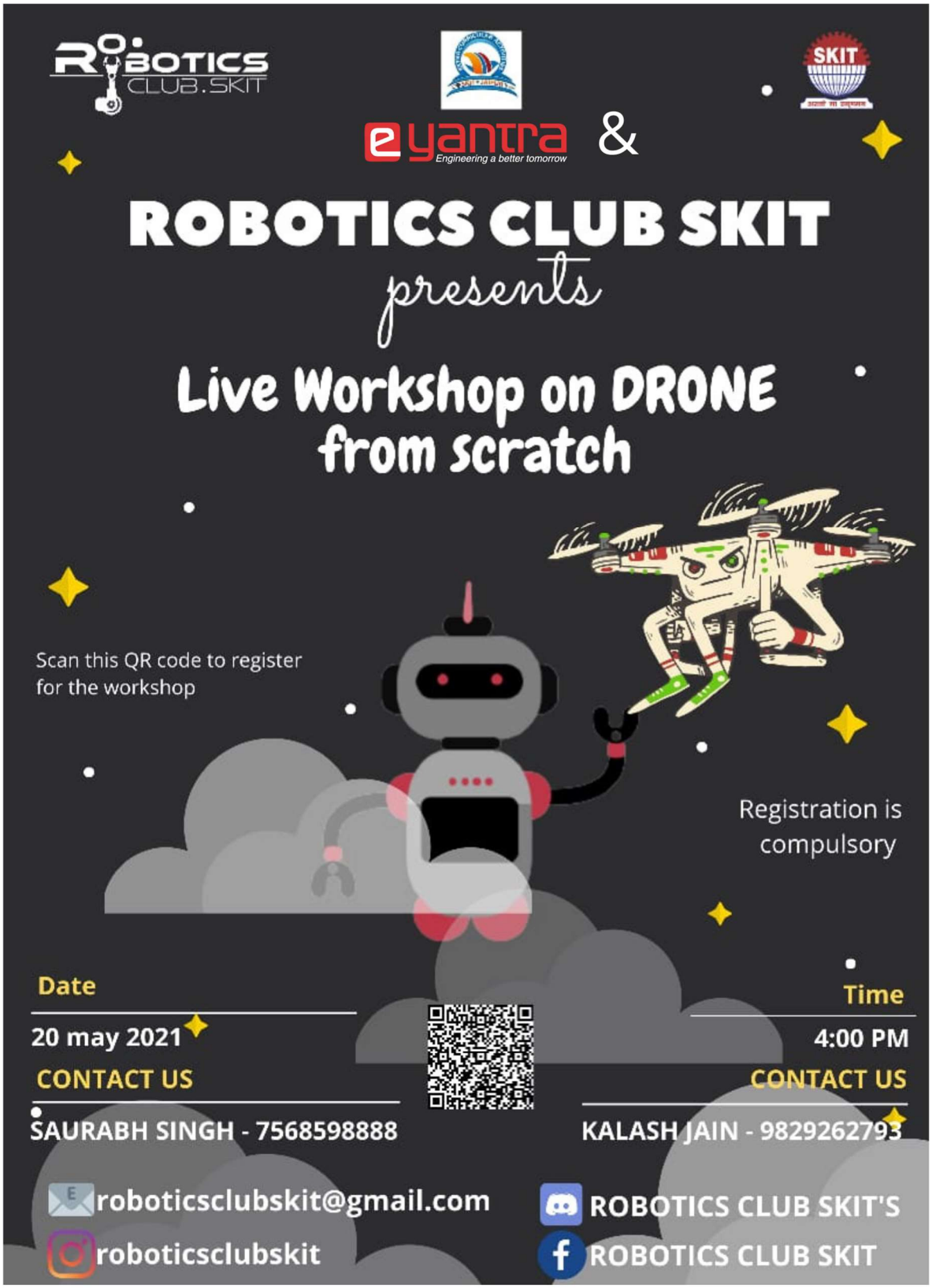
Shubham menroy (B. Tech. 3rd Year, CS)

Detail (Execution):- On May 20th 2021, a session "DRONE WORKSHOP" was organized for the students by the ROBOTICS CLUB SKIT with e-yantra team on the webex online platform. The session was diligently organized. This event was a 2 hr long event. In this session many students (from and outside SKIT) participated.

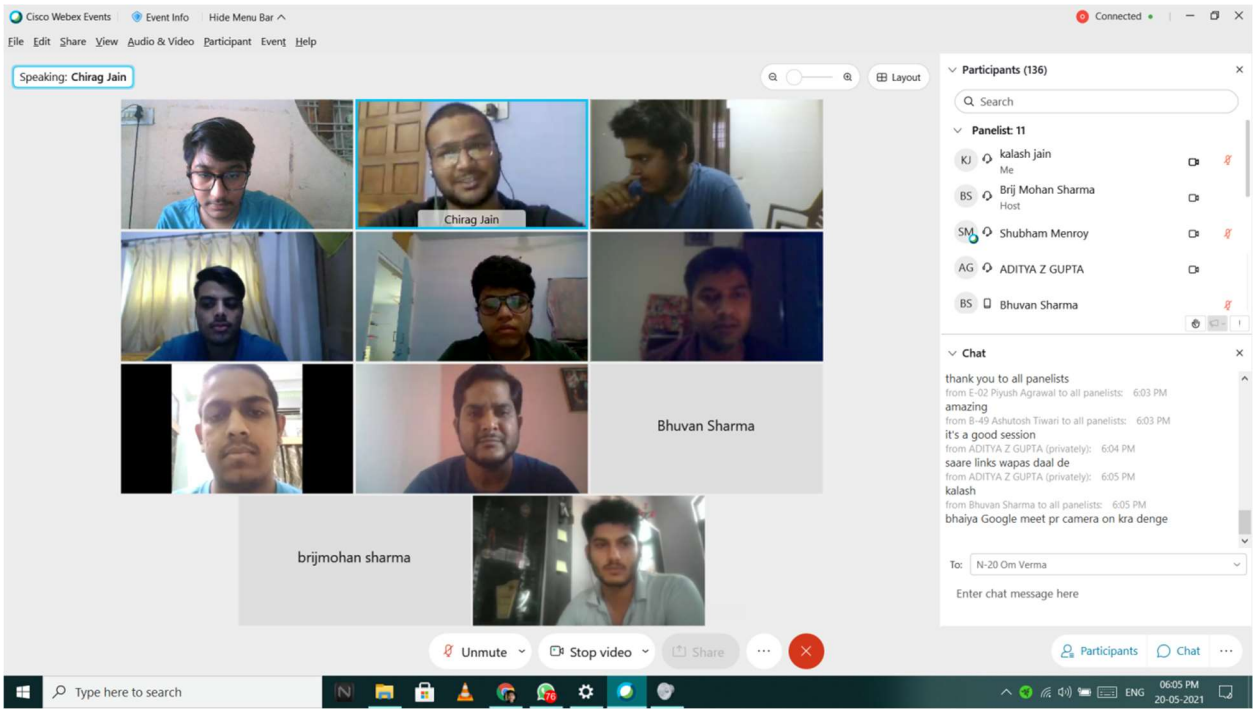
The session was commenced with the introduction of session in which all the students were overwhelmed by the introductory speech of Mr. Praveen Saraswat. The topic of speech was role of controller in automation. After this an overview was given to all the students by instructor Shubham Menroy. Total 270 numbers of students were participated. The session lasted from 4:00 pm to 6:00 pm.

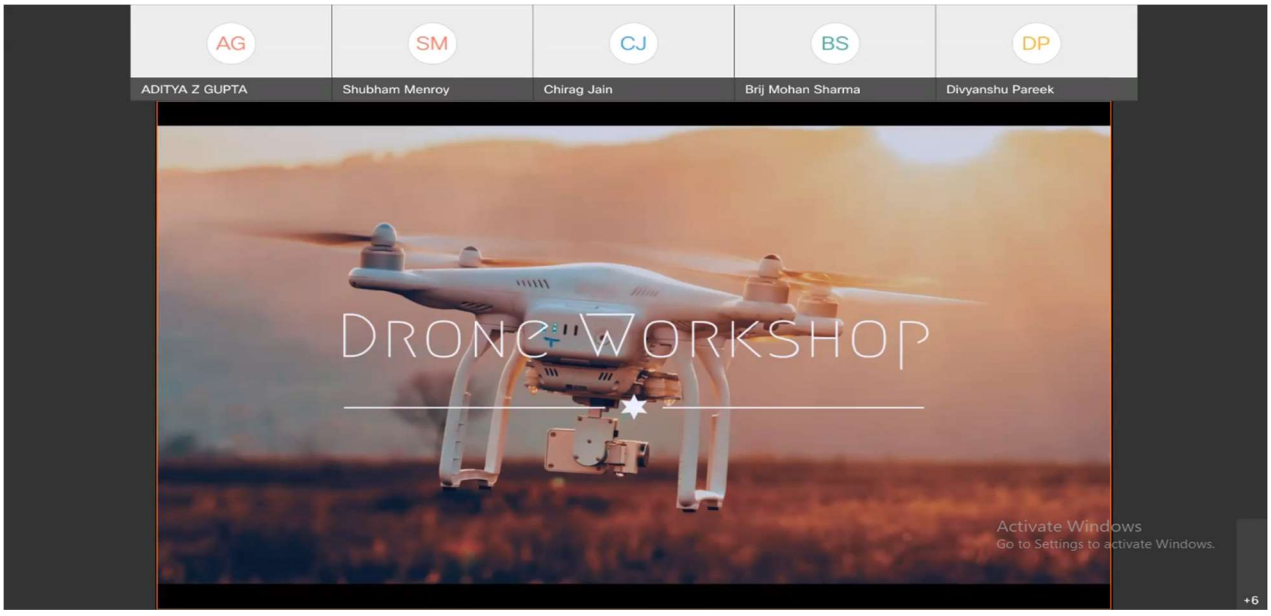
In the session the students were taught about the Mechanism, working of the DRONE and also the applications. The participants took a great interest in the session and the session ended with the solution of the queries.

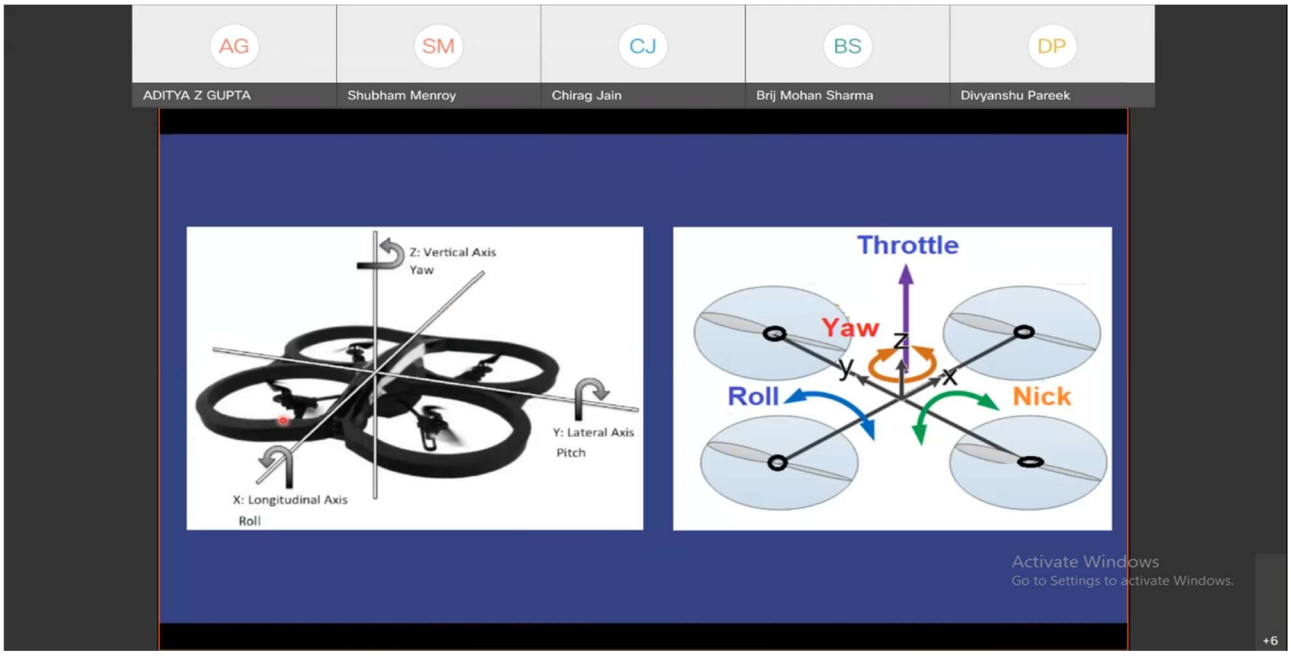
Poster of Event:

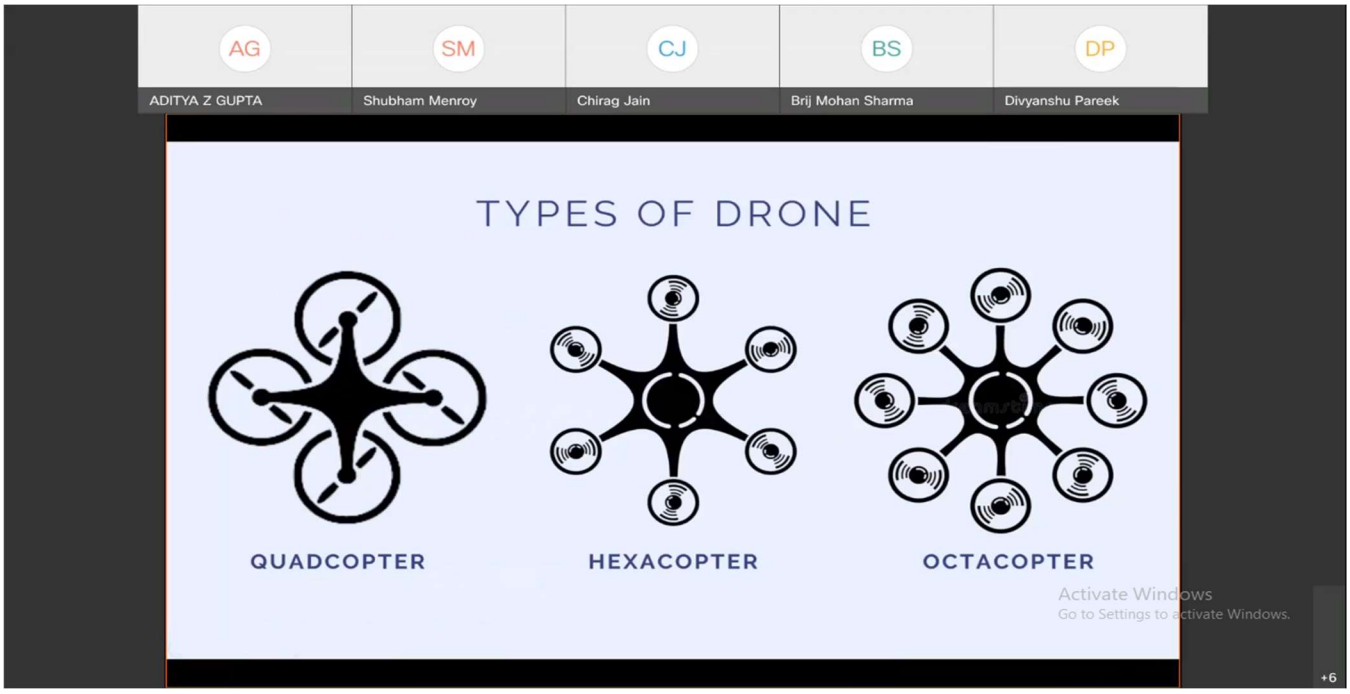


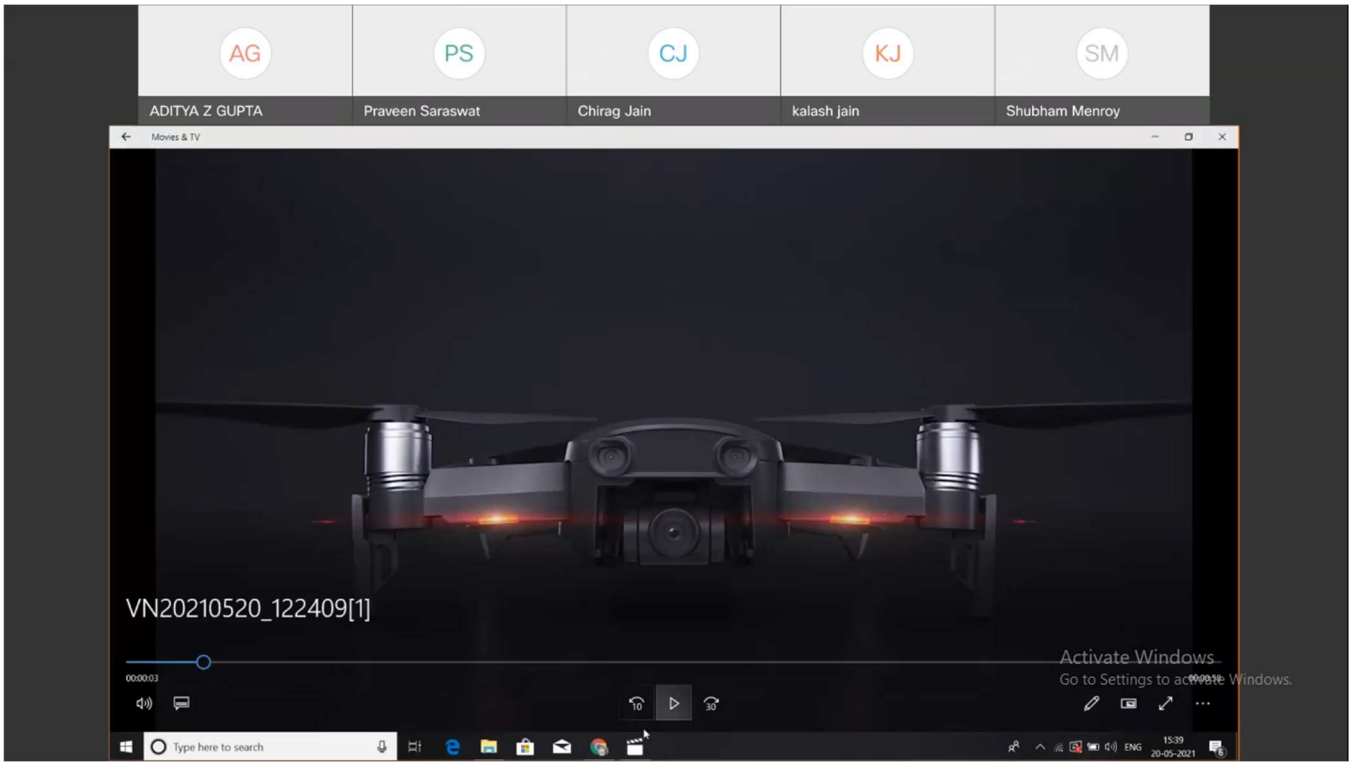
Photos of the Events :-

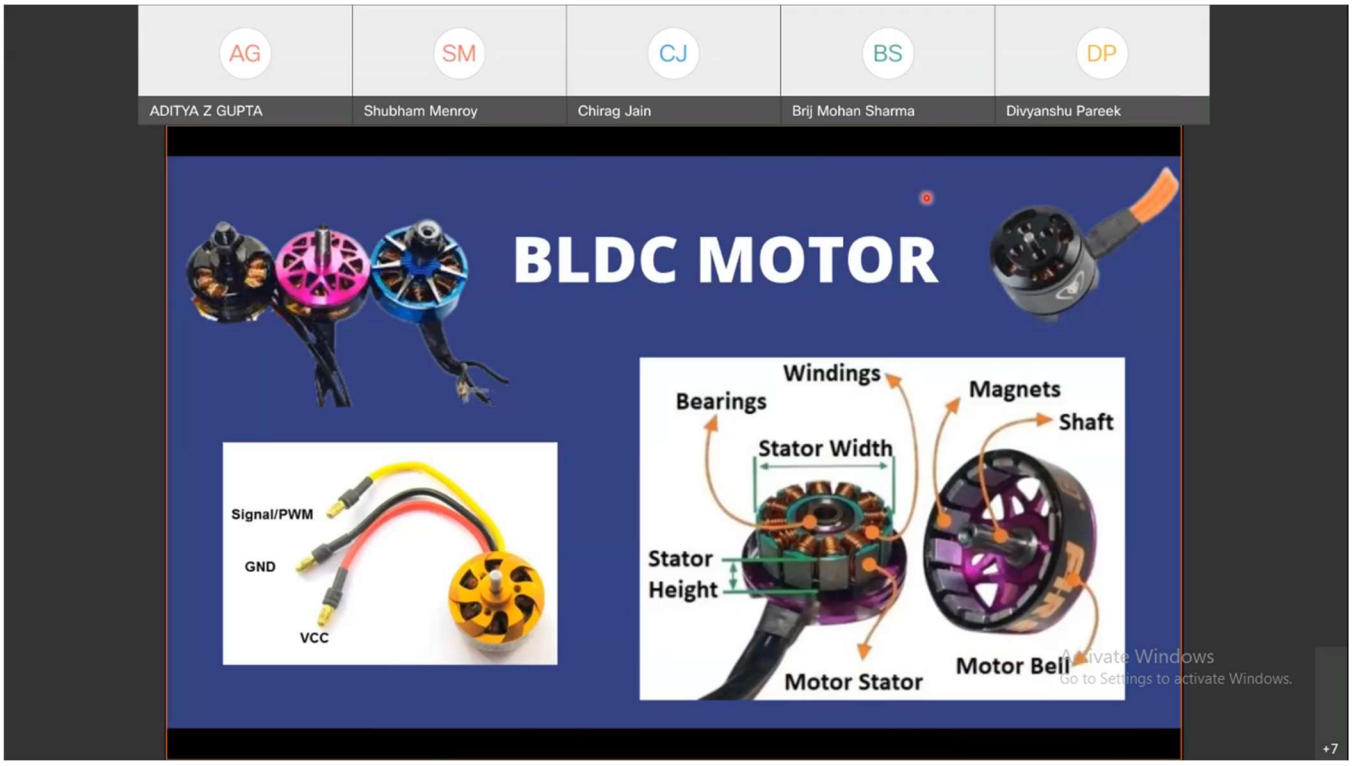





AG
SM
CJ
BS
DP
ADITYA Z GUPTA
Shubham Menroy
Chirag Jain
Brij Mohan Sharma
Divyanshu Pareek
Z: Vertical Axis
Yaw
Y: Lateral Axis
Pitch
X: Longitudinal Axis
Roll
Throttle
Yaw
Roll
Nick
Activate Windows
Go to Settings to activate Windows.
+6


AG
SM
CJ
BS
DP
ADITYA Z GUPTA
Shubham Menroy
Chirag Jain
Brij Mohan Sharma
Divyanshu Pareek
TYPES OF DRONE
QUADCOPTER
HEXACOPTER
OCTACOPTER
Activate Windows
Go to Settings to activate Windows.
+6


AG
PS
CJ
KJ
SM
ADITYA Z GUPTA
Praveen Saraswat
Chirag Jain
kalash jain
Shubham Menroy
Movies & TV
VN20210520_122409[1]
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
15:39
20-05-2021


AG
SM
CJ
BS
DP
ADITYA Z GUPTA
Shubham Menroy
Chirag Jain
Brij Mohan Sharma
Divyanshu Pareek
BLDC MOTOR
Signal/PWM
GND
VCC
Windings
Bearings
Magnets
Shaft
Stator Width
Stator
Height
Motor Stator
Motor Bell
Activate Windows
Go to Settings to activate Windows.
+7

Drone Workshop Attendence/Certificate provided to:-

Sr. No.	Name of Participant
1	Aakash dadhich
2	Aarsh Raghav
3	Aashish Kaushik
4	Aayush
5	Aayushman Mishra
6	ABHISHEK KUMAWAT
7	Abhishek Sharma
8	Aditya Kumar
9	Aditya Agarwal
10	Aditya Bagdi
11	Aditya Sharma
12	Ajay kumar Buri
13	AJAY KUMAR SHARMA
14	Akhilesh Chaturvedi
15	Akshat Jain
16	Akshat Jinakar
17	Akshat Khandelwal
18	Akshat Sharma
19	Akshi Jain
20	Akshit Tiwari
21	Aman Bhargava
22	AMAN ADITYA
23	Aman Bhargava
24	Aman Deep Singh Sandhu
25	Amar Pratap Singh
26	amartyapareek
27	Amit Pareek
28	Anchal Bhardwaj
29	Anchal Gupta
30	Ankit Kasana
31	Ankit Yadav
32	Anoop Gupta
33	Anshit Kumar
34	Anshul Ranka
35	Anuj Sharma

Sr. No.	Name of Participant
136	Jayesh Vashishtha
137	Jitendra Kumar Meena
138	Jyoti Agrawal
139	Kaelin Verma
140	kanishkagarwal
141	karanchawda
142	Kartikeya Dixit
143	Kavish Jain
144	Keshav Gautam
145	Keshav Nama
146	Khushi Khandelwal
147	Kirti Sagar
148	Komal Kanwar Korawat
149	Krishna Rathi
150	Kritika Surana
151	kshitijkalra
152	Kuldeep Nagar
153	Kunal Colin Williams
154	Kunal Maniwal
155	Kushal Sharma
156	KushmayPorwal
157	Lavanya Talwar
158	Lavesh Jain
159	Laxita Singh
160	LiladharGadwal
161	Lovenash
162	MADAN LAL PRAJAPAT
163	Mahi Jain
164	Manan Sharma
165	Manoj Garg
166	Mansi kanwar
167	Mansi Pareek
168	Mansi Sharma
169	mayank
170	Mayank Mittal

36	Apoorva Khandelwal
37	Archana jha
38	Arpit Meena
39	Arpita Dutta
40	Arun Sharma
41	Arvind Gupta
42	Arvind Yadav
43	ARYAM JAIN
44	Aryan Soni
45	Ashish verma
46	Ashu Agarwal
47	ASHUTOSH TIWARI
48	Ashutosh Tiwari
49	Ashvin Singh
50	ASHWIN GUPTA
51	Astha Gupta
52	Atishay Jain
53	Avdhesh Behl
54	Avinash Gupta
55	Avinash Mittal
56	Ayush Ranjan
57	Ayush Singh Tomar
58	Ayushi Agrawal
59	Badal Singh Jaggi
60	Bajrang Singh Shekhawat
61	Bhanu Krishna Chasta
62	Bhanupriya Panwar
63	Bharat Doodi
64	Bhavesh Singhal
65	Bhavya Deep Sharma
66	Bhavyanshushrimali
67	Bheru Lal Dadheech
68	BhomeshRazdan
69	Charu Tiwari
70	charvi
71	ChhaviJangid
72	Chhavi Sharma
73	Chinmay Gupta
74	Chirag Chauhan
75	choudharysanjayrataram
76	Darshan jain

171	MeghaJangid
172	Mihir pandiya
173	Mohammed Arshad
174	Mohit kumawat
175	Mohit Pareek
176	MOHIT SINGHAL
177	MokshAvasthi
178	MuskanRangrej
179	naitikpopli
180	Naman Bachlas
181	Naman Garg
182	Naman Jain
183	NAVAL TRIPATHI
184	Navdeep Choudhary
185	Naveen jain
186	Navneet Kumar
187	Navneet Sagar
188	Navneet Singh
189	Neetu Choudhary
190	Nisha jain
191	Nishita Gupta
192	niteshsingh
193	Nitin Sharma
194	Om Verma
195	Palak Gupta
196	pawanpareek
197	Pawani Bhardwaj
198	pawasbansal
199	Piyush Agrawal
200	Prafull Bhargava
201	Pranay Prabhat
202	Prashansha Khandelwal
203	Pratham Kothari
204	Pratik Singh
205	Pratiksha Sharma
206	Prerit Goyal
207	Priya Gupta
208	Priyal Khandelwal
209	PRIYANSH SONI
210	Priyanshu Goyal
211	PRIYANSHU JANGID

77	Darshan Ranka
78	Darshika Maheshwari
79	DeekshantTak
80	Deep Shah
81	Deepanshu Maheshwari
82	Deepesh Sharma
83	DevakshNarwara
84	Devanshu Sharma
85	Devashish Mundra
86	Dhairya Gupta
87	Dharma Ram jat
88	DharmiKapadiya
89	Dhiraj Kumar
90	Diksha Sambhariya
91	Divam Pareek
92	Divya Arora
93	Divya Meena
94	Divyansh Sharma
95	Divyansh Vijay
96	Divyanshu Pareek
97	Divyanshu Sharma
98	Drishti Gupta
99	Garvit Jain
100	Garvit Mathur
101	Gaurav Dubey
102	Gaurav Sharma
103	Gautam Jain
104	Gazal Gupta
105	Geetam
106	Geetanshikha Gautam
107	Geetika Mathur
108	Hariom Kumar
109	Harsh Sharma
110	Harsh Gautam
111	Harsh Goyal
112	Harsh Kumar
113	Harsh Maheshwari
114	Harsh singhgahlot
115	HarshilSodani
116	Harshit Gautam
117	Harshit Jain
212	Pulkit Vashishth
213	PUNEET GARG
214	PurviTanwar
215	Rahul
216	Rahul Jain
217	Rahul Suthar
218	RAHUL GOYAL
219	Rahul Jain
220	Rahul Singh Gurjar
221	Rahul Suthar
222	Rajat Sharma
223	Raksha Modi
224	Rakshita Agarwal
225	RakshitaJadoun
226	RashiKinra
227	Rashi Sharma
228	RAVI RAJ
229	Rishi jain
230	Ritik Sharma
231	Ritika Agarwal
232	Ritin Agarwal
233	Ritwik Sharma
234	Riya Mehta
235	Rohan Mishra
236	Rohit
237	Ronak Gupta
238	Ruchit Sharma
239	Rudraksh Agarwal
240	Saksham Bhalla
241	Saksham Jain
242	Sakshi Agarwal
243	Sakshi Gurbani
244	Sakshi Khandelwal
245	SAKSHI AGARWAL
246	Sakshi Anil Barge
247	Sakshi Gupta
248	Sakshi Gurbani
249	Sakshi Jain
250	Sakshi Sharma
251	Sakshi Singh
252	Samardeep Singh Chopra

118	Harshit Khandelwal
119	Harshit Kumar Sevkani
120	Harshit kumawat
121	Harshit Mittal
122	Harshit Totuks
123	Harshit Verma
124	Himanshu Kachhawa
125	Hiten jain
126	Isha Agarwal
127	Isha Tripathi
128	Ishika Agarwal
129	Jai Veer Singh
130	JancyCJoshwa
131	Jatin
132	Jayant Gupta
133	Jayesh Chhawachharia
134	Jayesh Gupta
135	jayeshsharma

253	Samridhi
254	Sandeep Kapoor
255	Sanjay choudhary
256	Sanjay Kumawat
257	Sanskar Rana
258	Sanskriti Kaushal
259	Sarthak Bhatia
260	Sarthak Sharma
261	Shikha Kumari
262	Shikhar Gupta
263	Shilpi Shukla
264	Shivam
265	Shivam Tank
266	shivangyadav
267	ShivanshDosi
268	Shray Rathore
269	Shray Mathur
270	Shray Rathore

Sample certificate:-