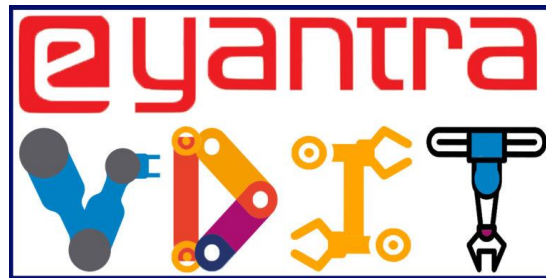


e-yantra Lab Events Report

Session 2020-21



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



**Swami Keshvanand Institute of Technology,
Management and Gramothan, Jaipur**

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:-



The poster features a central illustration of a hand holding a glowing lightbulb. The hand is rendered in vibrant, multi-colored segments (red, yellow, green, blue). The lightbulb is yellow and glowing, with a filament visible. Above the hand, there are several logos: SKIT Robotics Club, P2P Analysis & Solutions, and eYantra. Below the hand, the word 'IDEATHON' is written in large, bold, blue letters, with a tagline 'THINK CREATE INNOVATE' in a blue rounded rectangle below it. The bottom section of the poster contains event details, rules, and contact information.

SPONSORED BY :-

SKIT Robotics CLUB SKIT

P2P ANALYSIS & SOLUTIONS
Solution with Innovation

eYantra
Engineering a better tomorrow

IDEATHON
THINK CREATE INNOVATE

DATE
12-08-2020

PLATFORM
INSTAGRAM

- Microcontroller, IoT & robotics based projects are acceptable
- ROBOTICS CLUB SKIT will post your idea on their Instagram handle
- There will be prize for winner 1st Rs. **500** ,2nd-**250** & 3rd-**100**
- Go through the rules for more information
- last date of registration is 17th of August
- 20+ consolation prizes

FACULTY COORDINATOR
BRIJ MOHAN SHARMA

CONTACT US
ADITYA Z GUPTA -9413651264
CHIRAG JAIN - 9530480214

scan this code for google form
suqklqh - use this code to join google class room

ROBOTICS CLUB SKIT
roboticsclubskit

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 singhjhat | Saurabhsinghjhat3001@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 | Priyanshu Pareta | 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 | 2019pietcsngautam63@poornima.org |
| 56 | Brijesh Nenwani | brijeshnenwani@gmail.com |
| 57 | Harpreet Singh | singharpreet92001@gmail.com |

Sample of the Certificate:-



C.No RCSXXX-009

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)

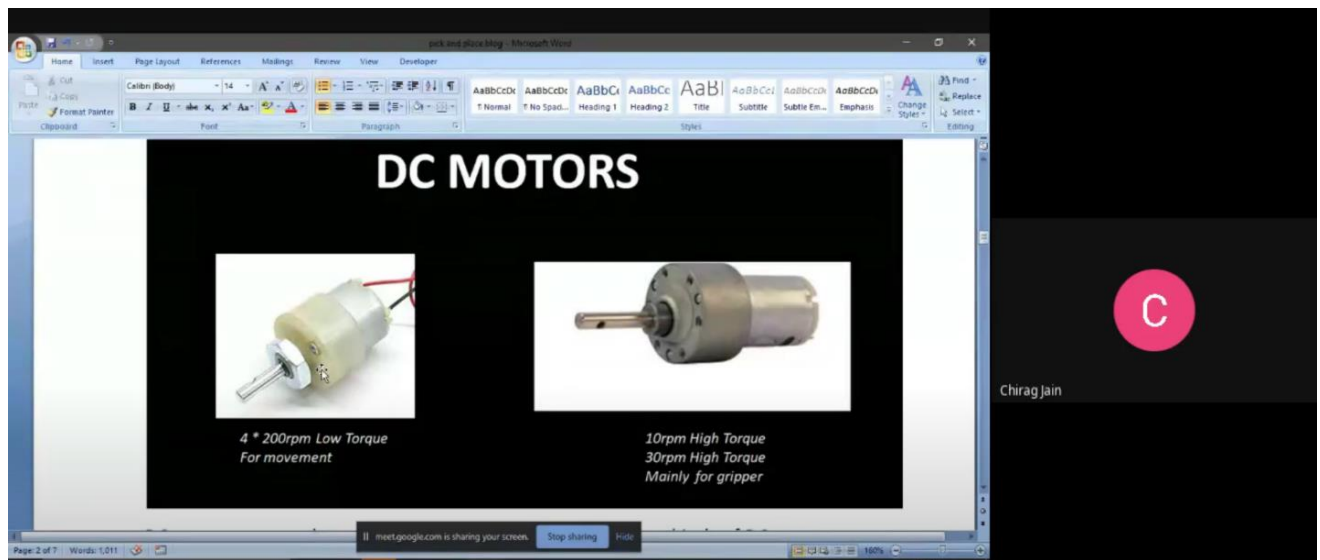
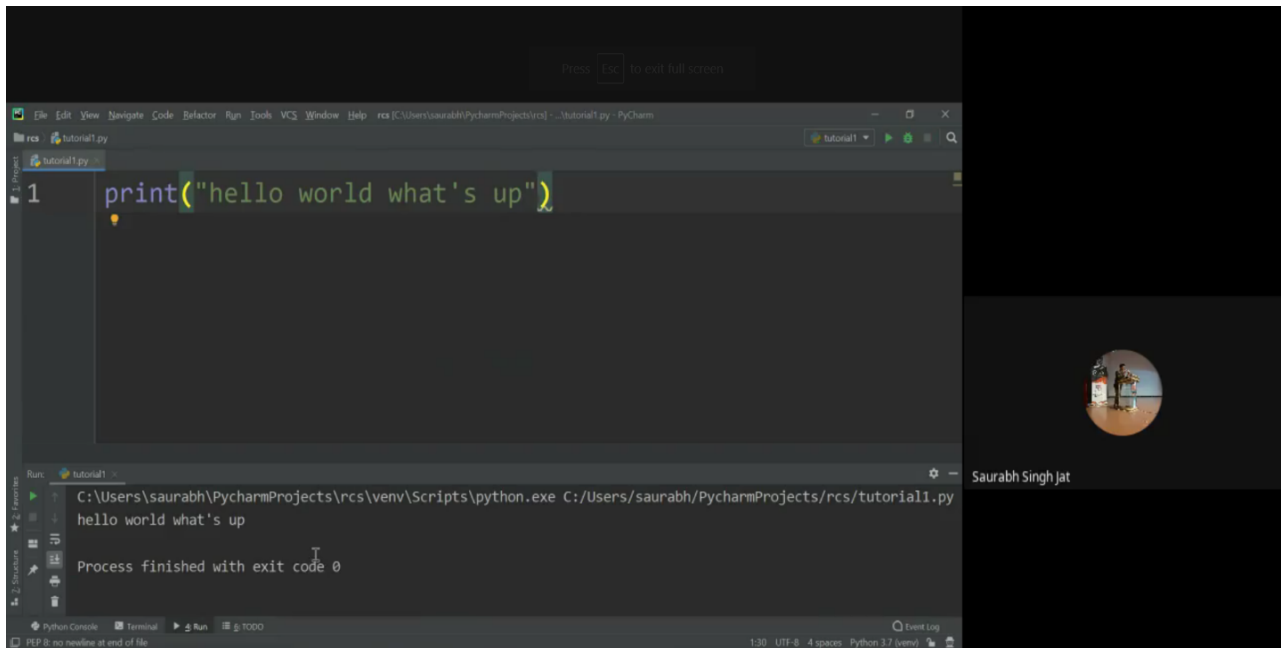
Details(Execution):- The session started with a basic introduction to the embedded C then the students were ask to practice the programs which were presented by the instructor and the questions were discussed based on the programs which were shown in the class.

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 | Sr. No. | Name |
|---------|-------------------|---------|-------------------|
| 1 | Aakash Dadhich | 21 | Kartikeya Dixit |
| 2 | Abhishek Kumawat | 22 | Kavita Sharma |
| 3 | Aditya Agarwal | 23 | Mohit Soni |
| 4 | Ajay Sharma | 24 | Navneet Sagar |
| 5 | Akshit Tiwari | 25 | Nikunj Singh |
| 6 | Angelina Smith | 26 | Om Verma |
| 7 | Arvind Yadav | 27 | Piyush Agrawal |
| 8 | Ashu Agarwal | 28 | Prabhat Gupta |
| 9 | Ashutosh Tiwari | 29 | Prakhar |
| 10 | Bhanupriya Panwar | 30 | Priyanshu Goyal |
| 11 | Devanshu Sharma | 31 | Pulkit Gupta |
| 12 | Devesh Kasera | 32 | Rahul Jain |
| 13 | Dhairya Gupta | 33 | Rakshita Jadoun |
| 14 | Divya Meena | 34 | Ronak Kumawat |
| 15 | Divyanshu Pareek | 35 | Saurabh Singh Jat |
| 16 | Garvit Mathur | 36 | Shubham Menroy |
| 17 | Geetam Bhardwaj | 37 | Suraj Jaimini |
| 18 | Harshit Totuka | 38 | Suraj Singh |
| 19 | Jayesh Vashishtha | 39 | Tanishk Goyal |
| 20 | Kalash Jain | 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:

ROBOTICS CLUB SKIT

eYantra & **SKIT**

Engineering a better tomorrow

ROBOTICS CLUB SKIT
presents

Live Workshop on DRONE
from scratch

Scan this QR code to register for the workshop

Registration is compulsory

Date
20 may 2021

Time
4:00 PM

CONTACT US

SAURABH SINGH - 7568598888

KALASH JAIN - 9829262793

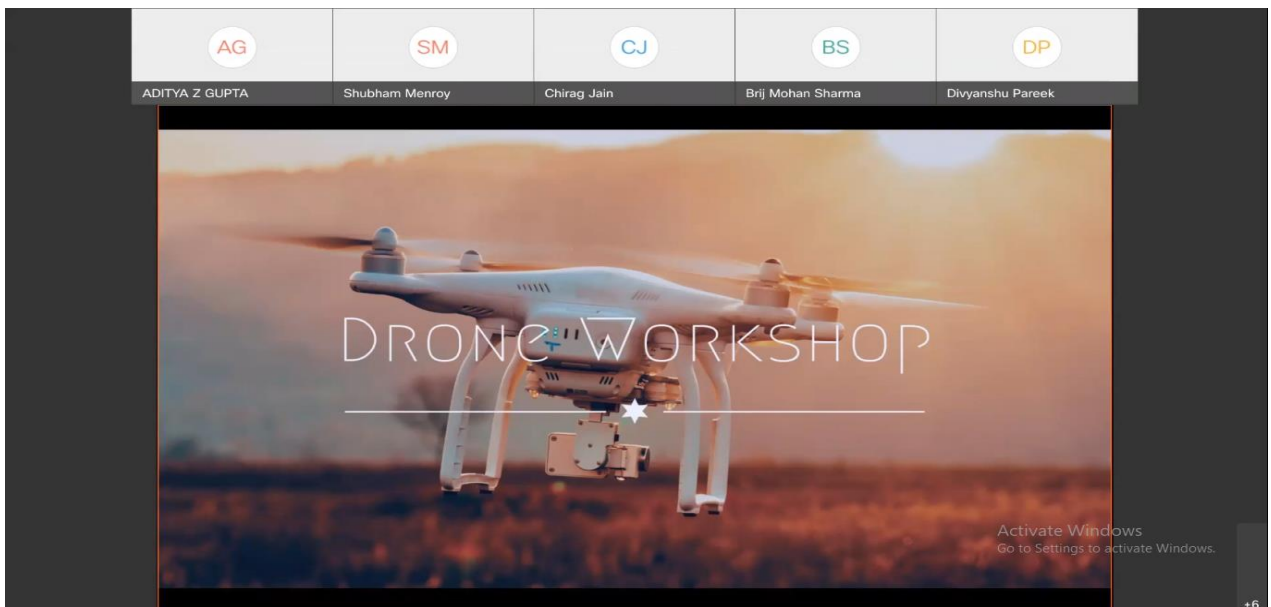
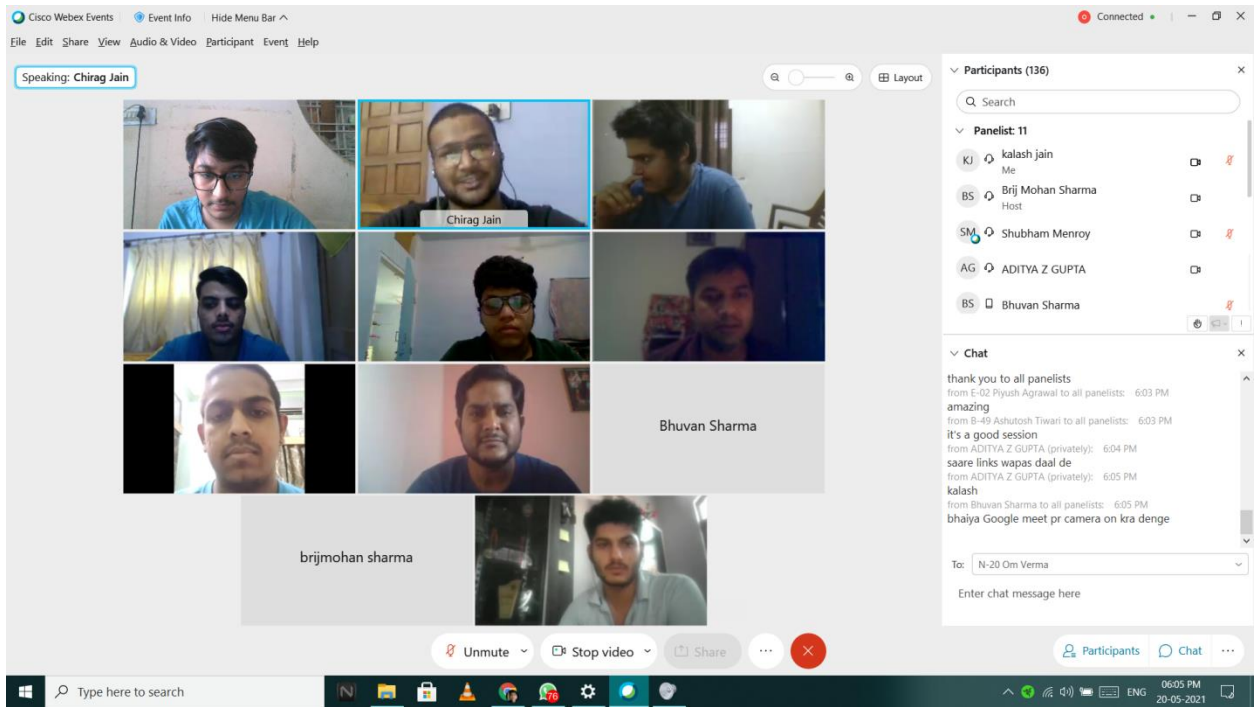
roboticsclubskit@gmail.com

[roboticsclubskit](https://www.instagram.com/roboticsclubskit)

ROBOTICS CLUB SKIT'S

ROBOTICS CLUB SKIT

Photos of the Events :-




| | | | | |
|----------------|----------------|-------------|-------------------|------------------|
| AG | SM | CJ | BS | DP |
| ADITYA Z GUPTA | Shubham Menroy | Chirag Jain | Brij Mohan Sharma | Divyanshu Pareek |

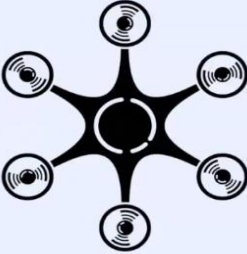
Activate Windows
Go to Settings to activate Windows.

| | | | | |
|----------------|----------------|-------------|-------------------|------------------|
| AG | SM | CJ | BS | DP |
| ADITYA Z GUPTA | Shubham Menroy | Chirag Jain | Brij Mohan Sharma | Divyanshu Pareek |


TYPES OF DRONE



QUADCOPTER

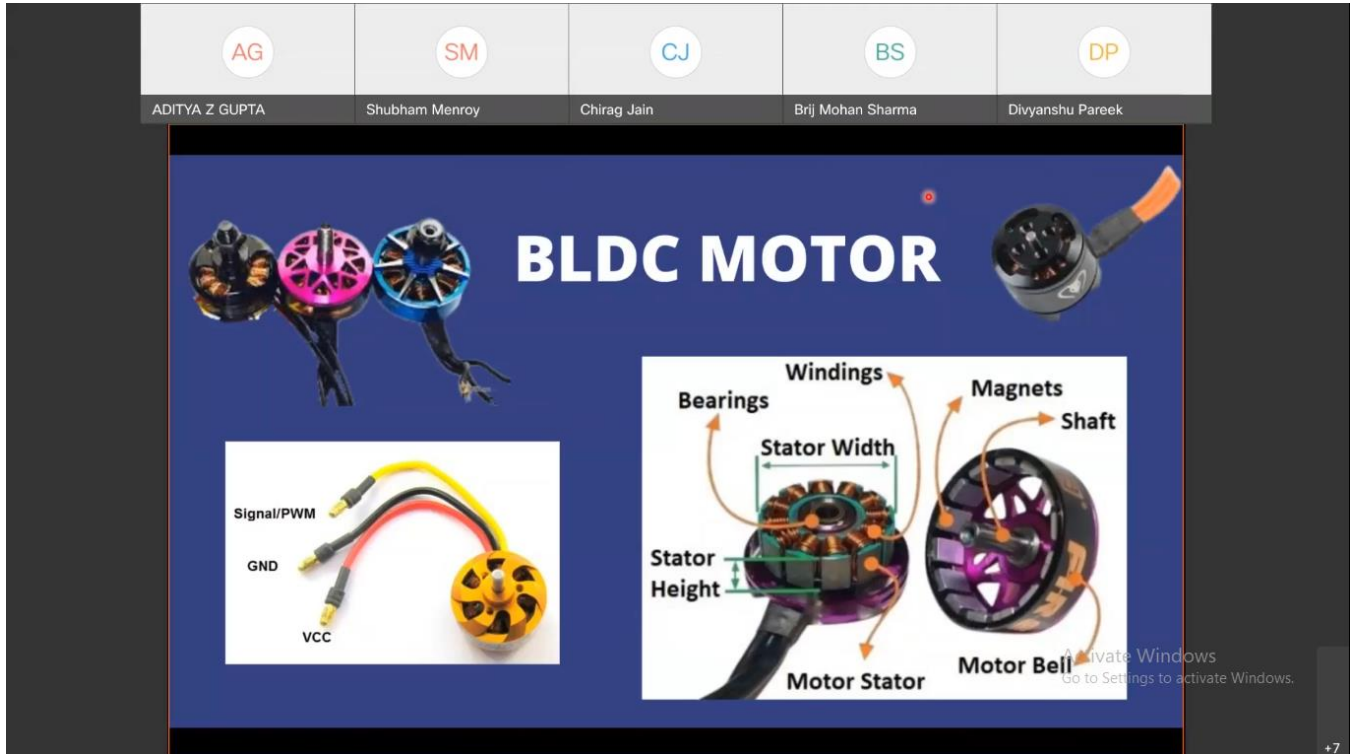
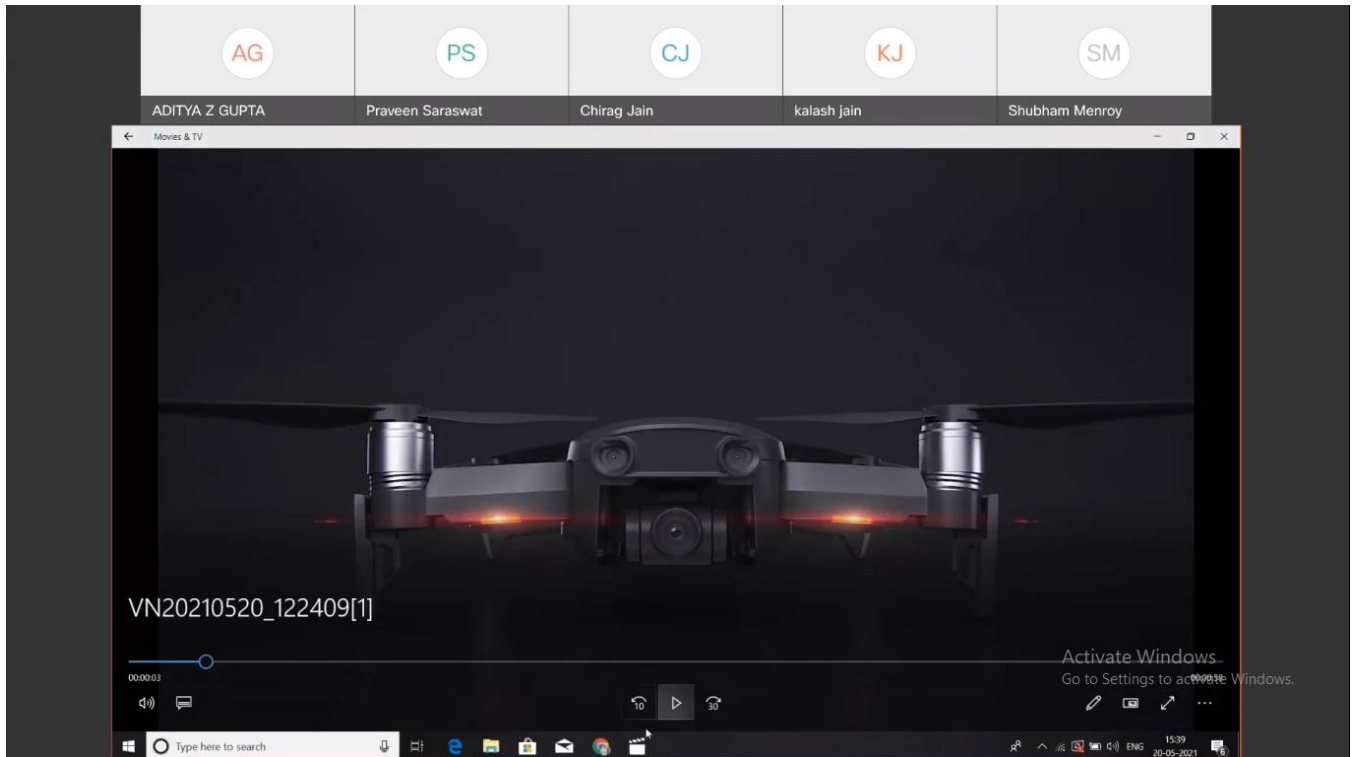


HEXACOPTER



OCTACOPTER

Activate Windows
Go to Settings to activate Windows.



Drone Workshop Attendance/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:-

