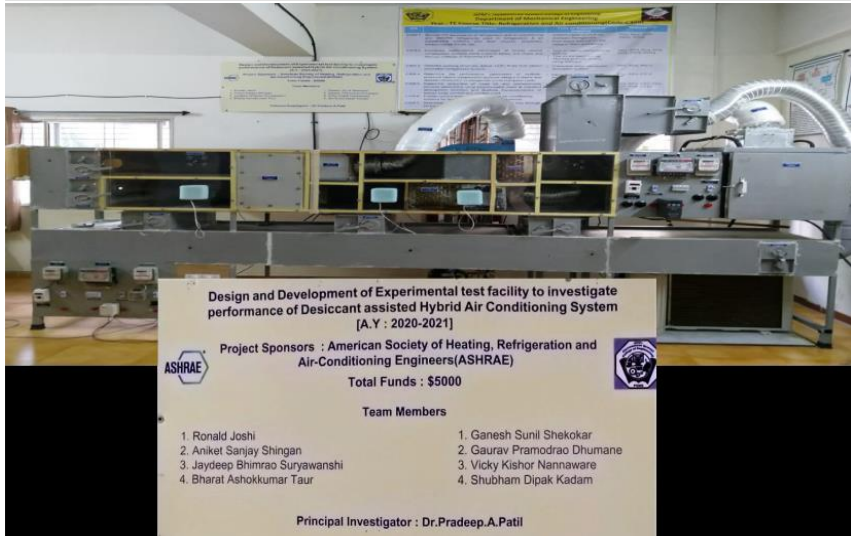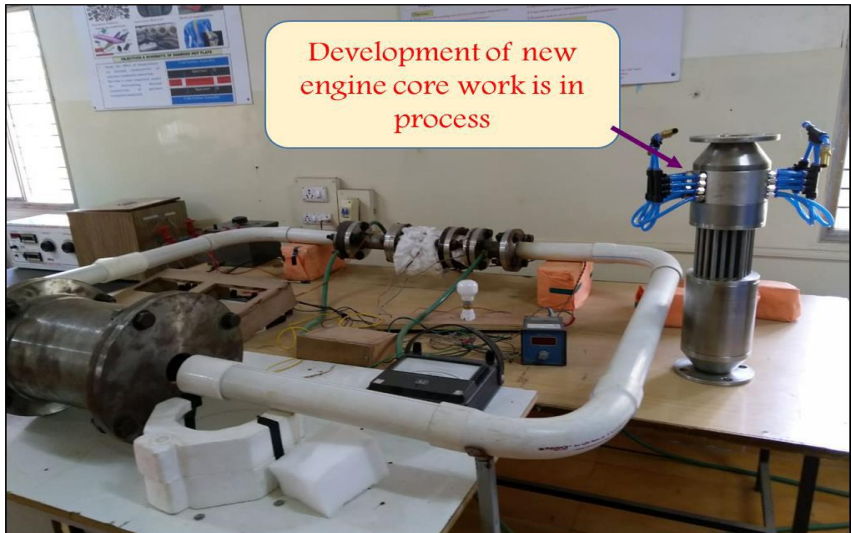**STUDENT INNOVATION CLUB**
DRONE CLUB
Drone Club was founded in 2018 by the dedicated mechanical students Mr. Ganesh Thorat and Mihir Kedar having the experience of 2+ years in building drones and researching drone technology. Drone Club today has more than 50 students from the mechanical department. Later through drone club, there is a Start-up Cerebro Spark Innovations LLP which was founded by these two young minds and now the same start-up has a team of 6 which is engaged in building various drones for different applications. Drone club is led by a team of 6 from Cerebro Spark innovations and the mechanical department of JSCOE.
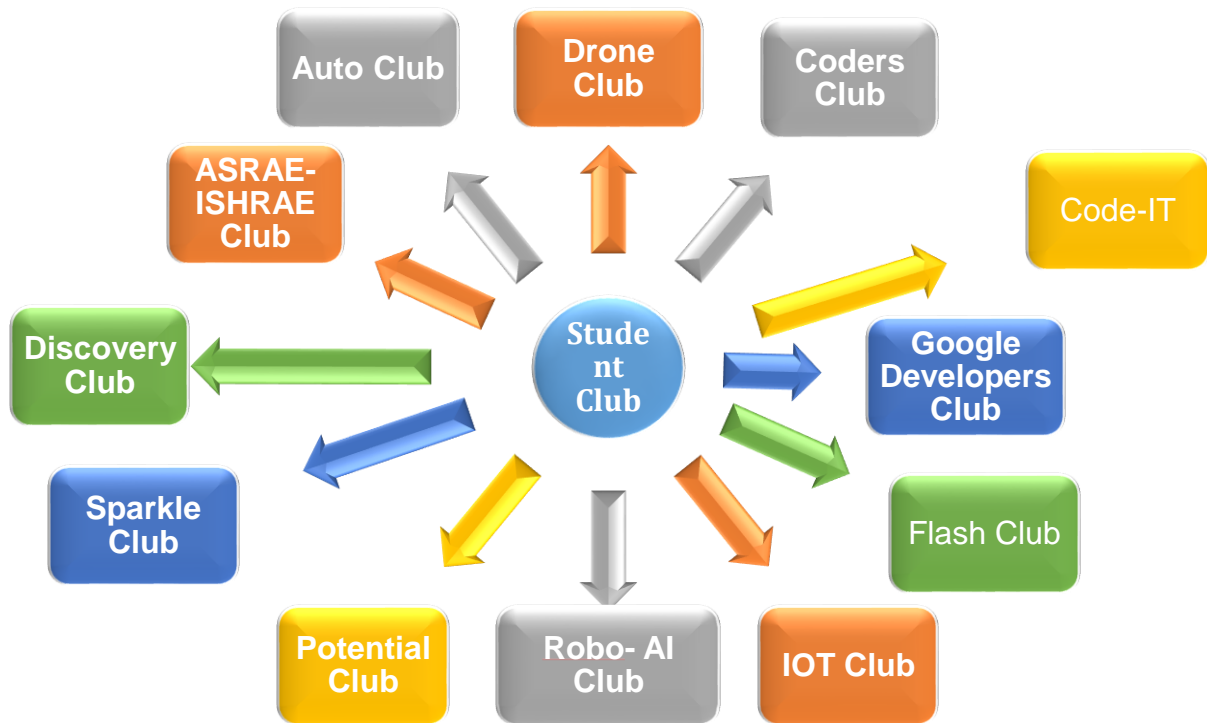
ISHRAE STUDENT CHAPTER
The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), was founded in 1981 at New Delhi by a group of eminent HVAC&R professionals. ISHRAE today has more than 28,780 HVAC&R professionals and Student-members. ISHRAE operates from 41 Chapters and sub Chapters spread all over India, with HQ in Delhi. JSCOE ISHRAE Students Chapter was formed in 2007. This chapter work for students & Faculty advisor role is to guide the students. Student in TE or BE can get the ISHRAE Student membership by paying only Rs. 750/- (for registration visit http://ishraehq.in/home/student). The different activities conducted under the ISHRAE chapter are guest lectures from industry expert, industrial visit, quiz competitions, job junction (Placement for BE students), project grant for UG & PG students, TechnoCHILL (It is one day technical event, in which various competitions are conducted like as quiz competition, paper presentation, project idea competitions), National and International conferences etc.

Projects Under ASHRAE Club

Student participation at National Level

Dept	2018-19	2019-20	2020-21	2021-22
FE	-	-	-	13
Computer	6	14	25	05
IT	1	03	09	04
Mech.	3	18	06	05
Electrical	2	10	06	04

E&TC	22	12	21	08
Total teams	34	57	67	39
Teams in top 100	11	12	13	7

Products developed

Club Activities

Presentation of Drone to Lt. General R. K. Malhotra & Mrs. Rupali Chakankar (Chairperson- Maharashtra State Commision for Women)

Initiative industry interaction

The III Cell developed productive interaction, resulted in delivering quality content through expert talks workshops/training, industry visits and projects. Department encourages students and faculty members to interact with Industry in all possible ways in the spirit of developing mutual benefits

Institute conducted Industry Institute interaction on **21/10/2021** to deliberate the challenges for fresh graduate engineers to get better opportunities in industries (India & globally) in the pandemic scenario.

22 industry representatives attended the meeting and shared their valuable experience and guided faculty members to hone students' skill sets

JSCOE in collaboration with Visionary Learning Community of India **(VLCI)** would facilitate the small & medium enterprises (SMEs) to enhance productivity
The VLCI program will train the faculty of JSPMs JSCOE, who in turn, train the batch of **SMEs and college students** about flow management system and productivity improvement.

JSPM's
Jayawantrao Sawant College of Engineering, Pune
Department of Mechanical Engineering
Expert Talk on Electric Vehicle ELESPA Assembly Line
Glimspes of Webinar

Mech Believe excellency forever

Webinar on Electric Vehicle (2021-10-07 at 06:39 GMT-7)

How do you rate Presentation?
17 responses

- Average
- Good
- Excellent

1:04 / 1:46:27

Do you find this session useful ?
17 responses

- Yes
- No
- Maybe

93.2%
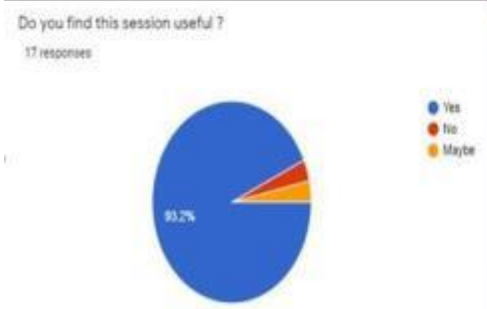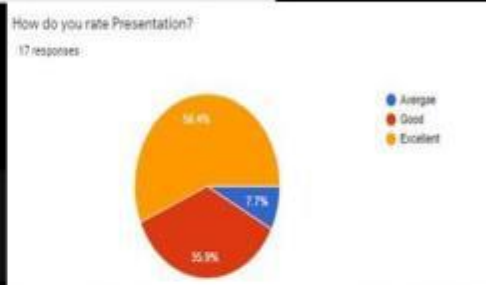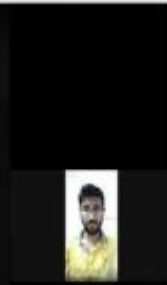
Sr No	Competition Name	Award/ Prize / Participation	No of Students	Total No of Teams	National Level (Within State)	National Level/ International Level (Outside of State/ Outside of India)	Venue and Year	Online / Offline
1	Aatmanirbhar Hackathon	Participation	8	02	-	National Level	Gujarat, India , 9th-10th July 2020	Online
2	Code Ovid Competition	Participation	6	02	National Level	-	D.Y Patil ,Pune , 2020	Offline
3	Hack Jaipur	Participation	6	02	-	National Level	Jaipur 2020	Online (Virtual)
4	Hack in India	Participation	8	02	-	National Level	Cyber Lab ,2020	Online (Virtual)
5	IEEE, EUREKA	Participation	8	02	National Level	-	IEEE,Pune Section	Offline
6	Intech Olympiad	Participation	8	02	-	National Level	IEEE,Pune Section	Offline
7	KPIT Sparkle 2018-19	Top 100 (11 Teams)	136	34	National Level	-	PCCOE,Pune ,	Offline
8	KPIT Sparkle 2019-20	Top 100 (12 teams)	228	57	National Level	-	PCCOE,Pune ,	Offline
9	KPIT Sparkle 2020-21	Top 100 (13 teams)	268	67	National Level	-	PCCOE,Pune ,	Offline
10	KPIT Sparkle 2021-22	Winner (Abhinavi Award)	156	39	National Level	-	PCCOE,Pune ,	Offline
11	AICTE Vishwakarma Award 2018-19	3rd Prize	08	02	-	National Level	AICTE HQ,Delhi	Offline
12	AICTE Vishwakarma Award 2019-20	2nd Prize	08	02	-	National Level	AICTE HQ,Delhi	Offline
13	AICTE Vishwakarma Award 2019-20	Participation	08	02	-	National Level	AICTE HQ,Delhi	Offline
14	QuEST Ingenium 2018-19	Winners	04	01		National Level	Bangluru,India	Offline
15	QuEST Ingenium 2018-19	Best Project Award	04	01		National Level	Bangluru,India	Offline

16	QuEST Ingenium 2018-19	Strong Contender Award	04	01		National Level	Bangluru,India	Offline
17	QuEST Ingenium 2020-21	Top 10 , Finalist	04	01		National Level	Hyderabad ,India	Offline
18	QuEST Ingenium 2021-22	Top 10 , Finalist, Strong Contender Award	04	01		National Level	Pune	Online
19	Smart India Hacakthon 2017	Finalist, Top 10	06	01		National Level	KL University, Vijayawada,AP	Offline
20	Smart India Hacakthon 2018	WInner	06	01	National Level		COEP,Pune	Offline
21	Smart India Hacakthon 2019	Finalist	12	02		National Level	Trichy	Offline
22	Smart India Hacakthon 2020	FInalist	12	02	National Level		Karnataka	Online
23	Smart India Hacakthon 20221-22	Finalist	12	02		National Level	Tamilnadu and Raipur,CG	Offline
24	MIT-HUB 2020 (Team 1)	1st Prize	05	01	National Level		MITADT,Pune	Online
25	MIT-HUB 2020 (Team 2)	2nd Prize	05	01	National Level		MITADT,Pune	Online
26	RTU-Pournima Hacakthon 2021	1st Prize	06	02		National Level	Pournima University, Jaipur, Rajasthan	Offline
27	Hackverse 2021	2nd Prize	03	01		National Level	NITK, Surathkal	Online
28	Decov 2020	1st Position (Digital Education Domain)	04	01		National Level	Techno India Group , Delhi	Online
29	Decov 2020	2nd Position (AR-VR Domain)	04	01		National Level	Techno India Group , Delhi	Online
30	Google DSC Manifest 2020	1st Prize (Mobile App Development)	04	01		National Level	DSC BVP,Delhi	Online

31	Google DSC Manifest 2020	2nd Prize (AR VR Domain)	04	01		National Level	DSC BVP,Delhi	Online
32	Google DSC Manifest 2020	2nd Prize (Digital Art)	04	01		National Level	DSC BVP,Delhi	Online
33	Ku Hack Fest 2021	Participation	08	02		International Level	Kathmandu Univesity, Nepal	Online
34	NASA space APP Challenge 2020	Galatic Problem Solver	12	03		International Level	NASA Center, Kuala Lumpur	Online
35	Rajasthan Hackathon 2018	Best Project Award	06	01		National	Jaipur,Rajasathan	Offline
36	ERR_404 Mumbai Hackathon 2018	2nd Prize	04	01	National		MHSS,College,Mumbai	offline
37	ERR_404 Mumbai Hackathon 2018	Jury Mentioned Special Award	04	01	National		MHSS,College,Mumbai	offline
38	IEEE MAIT, Hack The Hours glass	Winner and (Wolfram Award $525)	03	01		National	MAIT, Delhi	Online
39	IIPT 2020	Best Project Award	04	01	National		IIPT,Pune	Online
40	NES Innovation Contest 2020	Participation	20	05	National		Pune	Online
41	NIST Project Contest 2021	Participation	08	02		National	Berhampur,Odisha	Online
42	IICDC Texas 2019	Semi Finalist (Project Haedware Funding 50k)	20	05		National	DST & Texas Delhi,India	Online
43	InTech Olympiad 2017	Finalist (Top 10)	12	02	National		Rotary Club India (Pune Center)	Offline
44	InTech Olympiad 2018	2nd Prize	06	01	National		Rotary Club India (Pune Center)	Offline
45	InTech Olympiad 2019	1st Prize	06	01	National		Rotary Club India (Pune Center)	Offline

Industry Supported Laboratories
The involvement of industries in academics has an important role in strengthening academics. Faculty members and students are able to explore new technologies helping in their skill development and promoting research.

Industrial visits

Research Publication Details and Patents

AY	Total Research papers	SCI/Scopus indexed	UGC approved	Conference
2021-22	92	14	72	5
2020-21	61	8	42	4
2019-20	56	21	28	7

Total	209	43	142	16

Patents Data

AY	Filed	Published	Awarded
2021-22	1	2	6 International
2020-21	4	2	3
2019-20	4	8	0
Total	**9**	**12**	**9**