'येथे बहुतांचे हित ।'

Criterion 7

7.2: Best Practices

7.2.1. Best Practice – I : Professional skills exposure to students

Sr. No.	Parameter	Academic Year	Documents
1	**Best Practice – I : Professional skills exposure to students**	2021-22	BAJA 2021-22
2			Formula Bharat 2021-22
3			Robocon 2021
4			Efficycle 2021
5			Face V3.0
6			Hackathon-Hacksprint V3.0
7			IEEE event-Plethora
8			IEEE_Webinar_SAP
9			IEEE-"Technify"
10			IEEE-UI designing Competition
11			Workshop on PowerBI

M. College of Engineering Pune-52

PRINCIPAL
M.M. College of Engineering
Karvenagar, Pune -52

Report of BAJA SAEINDIA 2022
TEAM ABHEDYA, MMCOE, CAR No. 40

Team Abhedya of Marathwada Mitra Mandal's College of Engineering, Pune participated in the national level competition of BAJA 2022 organized by SAE INDIA from 5th to 10th April 2022 held at NATRAX-Indore, Madhya Pradesh. For the first time the team was building a AWD Design with an differential unit in the front of the ATV.

The team of 32 students participated in this event. The team set off to Indore MP on 4th April 2022.The team reached at the accommodation on next morning i.e. on 5th May after which the BE Students from the team proceeded for Baja Aptitude Test at Acropolis College Indore. Meanwhile the remaining members proceeded for unloading of the vehicle and set up of the pit. The Technical Inspection of the vehicle which was supposed to be held on 6th April 2022 was postponed due to unprecedented reasons. The registration process of the team and both of the faculty advisors took place on the 6th April 2022. During the latter half of the day the team prepared for the further Safety Scrutiny and other proceedings.

On 7th April 2022 the team attempted its first Technical Inspection attempt which could not get cleared due to technical shortcomings. The team toiled to overcome all the shortcomings on the 7th April. The team took the second attempt of TI on 8th April and cleared it on the same day. After which the ATV was taken for the Engine scrutiny and weight check. At around 4 pm the team proceeded for the brake test practice run during this endeavor the front open differential malfunctioned with gear slippage from the casing so the brake test attempt could not be taken. The day of 8th April 2022 ended with trying to fix this issue. On the morning of 9th April 2022 the team cleared the brake test in the first attempt after which the team proceeded to the Dynamics Bay. The first attempt from the dynamics bay was the Maneuverability event during this attempt the frontal tie rods of the steering system malfunctioned which led to a immense loss of time. After solving and repairing this issue the team proceeded for the SnT event in which the team did exceptionally well with securing AIR 6th. The team geared up for the big day The Endurance Race.

On the day of 10th April 2022 the team reached the event site with all the enthusiasm gathered for the endurance Race. The race started at 10 am during the initial time of the race our car performed exceptionally well with being in the top 10 cars in the endurance race. The ATV performed exceptionally well with being the lead car for few laps. The ATV was brought back to the pit for transmission related changes and upgrades. After which the race continued for another hour. Unfortunately during the last few minutes of the race an accident happened a large boulder hit the left rear wheel leading to breakage of the wheel assembly. Thus all the laps could not be registered and thus leading to unfortunate fate of the team. In spite of these hardships the team managed to bag some achievements which are mentioned below

Event came to an end with the following achievements in our share,

- AIR 15 in OVERALL RANK
- AIR 5 in Sales Evaluation
- AIR 12 in Computer Aided Engineering (CAE)
- AIR 13 in Endurance Race

Lastly, we thank our college and sponsors for their continuous support throughout the year and making this entire journey possible for us.

Mr. S. G. Kale (Faculty Advisor)	Dr. K. R. Patil (Senior Faculty Advisor)	Dr. V.R. Deulgaonkar (HOD-Mechanical)

To,
The Principal
MMCOE, Pune

MMCOE
40

MMCOE
40
AX6
SIDDESH

41
TEAM ABHEDYA RACING
40
MMCOE
40

Team List

Marathwada Mitra Mandal's

COLLEGE OF ENGINEERING

Karvenagar, Pune-52

Accredited with 'A' Grade by NAAC

Team Abhedya Racers 6.0

Sr.no	NAME	YEAR	
1	Yogesh Magare	BE	Captain
2	Kaushal Pawar	TE	Vice-Captain
3	Pritesh Shewale	TE	Vice-Captain
4	Ashay Bengle	BE	In-team
5	Aniket Anbhule	BE	In-team
6	Prachiti Adsul	BE	In-team
7	Rushikesh Nagargoje	BE	In-team
8	Onkar Puranik	BE	In-team
9	Akalpita Umate	BE	In-team
10	Tejas Patil	TE	In-team
11	Nihar Gadre	TE	In-team
12	Ninad Naik	TE	In-team
13	Omkar Tambe	TE	In-team
14	Shubham Jadhav	TE	In-team
15	Sourabh Parale	TE	In-team
16	Rushikesh Adhav	TE	In-team
17	Manas Uplekar	TE	In-team
18	Atharva Thorat	TE	In-team
19	Parth Patil	SE	In-team
20	Omkar Rane	TE	In-team
21	Omkar Jadhav	TE	In-team
22	Tushar Patil	TE	In-team
23	Sandip Patil	TE	In-team
24	Akshata Kondawar	SE	In-team
25	Ishan Jadhav	SE	In-team
26	Mihir Baokar	SE	In-team
27	Ashutosh Damdar	TE	In-team
28	Shreyas Bagade	TE	In-team
29	Arya Holay	SE	In-team
30	Chinmay Patil	SE	In-team
31	Niyatee Pandit	TE	In-team
32	Sujay Bhagvat	TE	In-team
33	Nilkanth Kulkarni	TE	In-team

Pro. A. D. Desale
(Faculty Advisor)

Dr. K. R. Patil
(Senior Faculty Advisor)

Dr. P. S. Purandare
(Head of Mechanical Engineering Department)

MARATHWADA MITRA MANDAL'S

COLLEGE OF ENGINEERING, KARVENAGAR,

PUNE-46

TEAM ABHEDYA RACERS

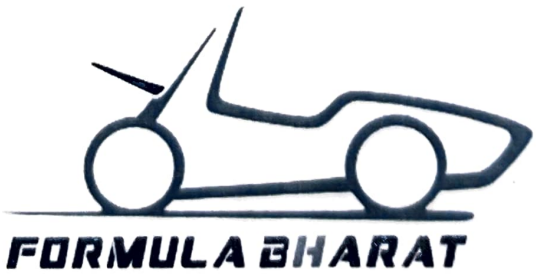
AT

Formula Bharat 2022

(20th to 25th January 2022)

Venue: Kari Motorsports Speedway, Coimbatore, Tamil Nadu.

EVENT REPORT

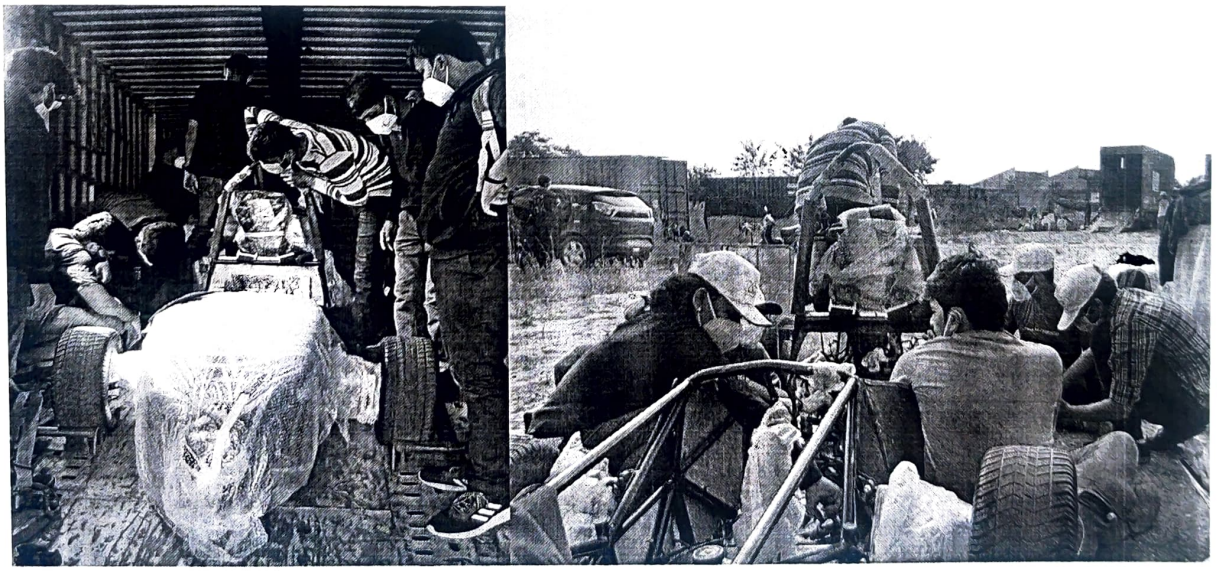


January 19th

The whole team planned to meet near Pune station around 12:30 am. The train was scheduled to depart Pune station at 1:50 am. All the 13 members and a Faculty Adviser gathered together, had the head count taken and started for the platform at 12:45am. While traveling we carried 2 Trunks with the team which included backup components like radiator, plenum, driver adjustments and fluids like brake oils, engine oil. The team boarded the train from platform No. 4. After boarding the journey began at 2:00 am with LTT Express.

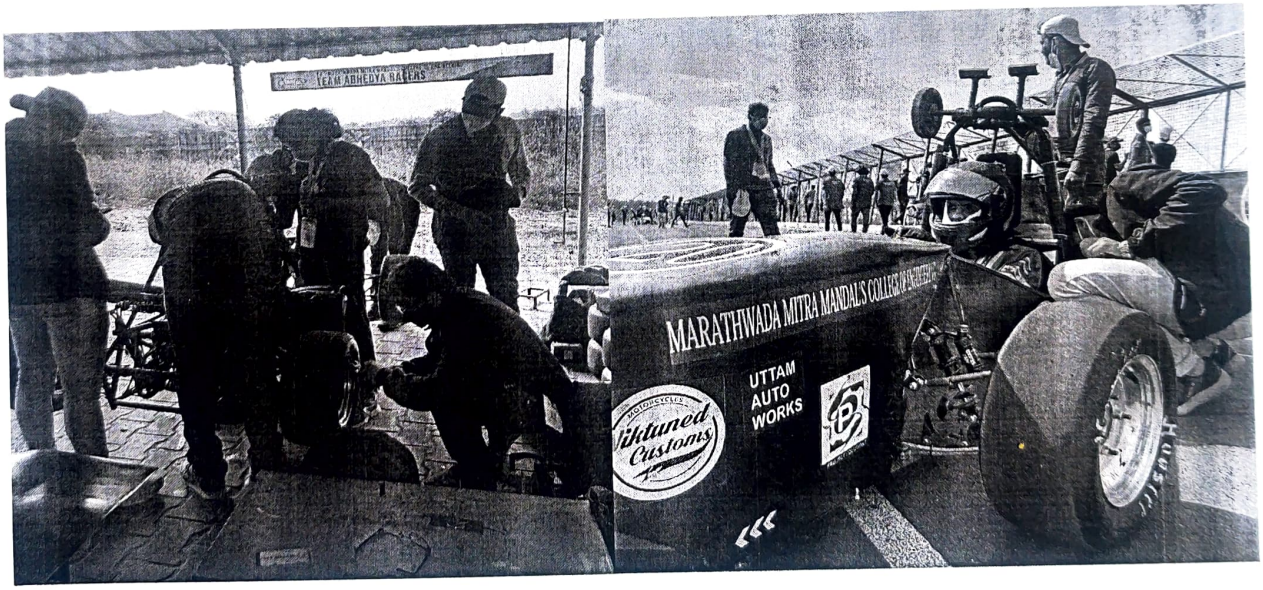
January 20th, Day 0.

Train reached Coimbatore Junction, Gopalapuram, Coimbatore, Tamil Nadu, at 8:30 am in the morning. From there the team booked a cab and an auto-rickshaw to reach the Hotel SPS Grand Inn which was around 5 Km away from the Railway Station. The team checked in, all the team members freshened up and had the breakfast, after the breakfast we had a small team briefing, where everyone was assigned with their particular tasks for the day, After the meeting, 10 members left for Kari Motorsports Speedway including the Faculty Advisor to unload the vehicle, check for the damage due to transportation, work on the damages and changes planned and complete the remaining on-site registration process, and the other 3 members were assigned the task of market survey and locating the local vendors in case of emergencies. On reaching the event site the vehicle was unloaded from the trailer truck and then taken to a corner to do some work on it, while the members were working on the vehicle the team Captain and our Faculty Adviser went to complete the registration process.



January 21st, Day 1

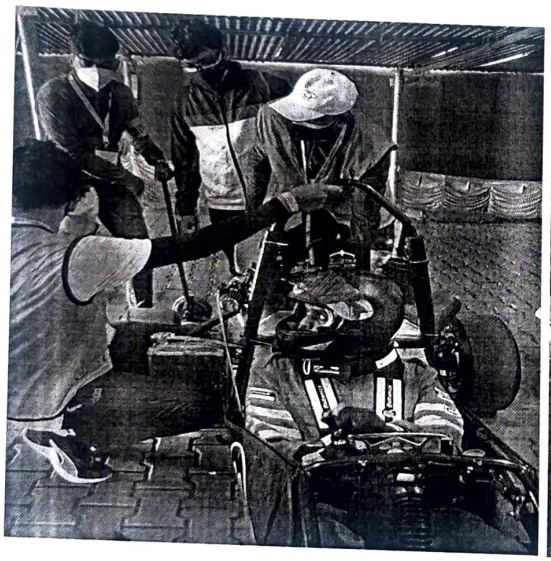
The day 1 was all about the on-site pit allotment, instructions and Pre-tech Submission. In the morning the team had a briefing where specific tasks were assigned to every team member, after the meeting, the team had breakfast, this time the whole team was going on-site, and for that we booked 2 cabs. Before leaving for the site the team had a regular temperature check. The event site was about 22 Km away from the place where the team was staying so it took almost 1 hour to reach the event site, so the team left the hotel around 7:30 as the event started at 9:00 in the morning. For day 1, the team had the Pre-Tech Check where the driver suit and all the safety equipment, which included the driver harness, push bar, fire extinguisher and its proper actuation was to be checked. The vehicle still had to go through last minute changes and check, which was remaining before we could move further to technical inspection. The dynamic area where Pre-Tech Check was done, followed strict covid-19 norms and allowed only 4 team members including the driver to enter. Captain and three other members entered the dynamic area to complete the Pre-Tech Check, while the rest of the team continued to work on the vehicle. After the team completed Pre-Tech Check, that was the end for day 1. The event site closed at 6 and no one was allowed in after that, thus the team left there around 6:30, back to the hotel.

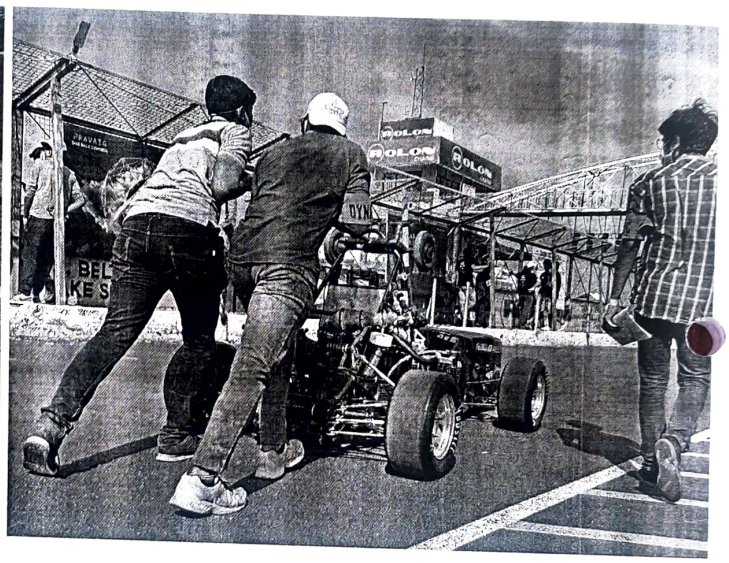


January 22nd, Day 2

The main thing for the day was Technical Inspection that was the only event which was planned for this day, thus before leaving the hotel the team had the usual briefing and then left for the event site. On reaching the site, the team was questioned by one of the Tech inspectors who asked them about the status and the problem in the vehicle before heading to technical inspection. He even suggested some of the solutions for the vehicle. As soon as the team was done with the changes the team went for the TI around 1:00 pm. The dynamic area followed the first come first in rule, thus the team got in line with the waiting period of around 40 min. After a long and thorough inspection session, the inspectors mentioned some

points where the vehicle needed changes or recheck. The team came back to the allotted pit to work on points. These points included major issues like proper intake mounting, battery mounting and a few mino issues of body panels, anti submarine belts, lock nuts etc. the team worked on the points given by the inspector and returned to the dynamic area to complete the Tech Inspection, the timeslot scheduled for Tech Inspection was closed for the day, thus the team was told to come the next day to complete the procedure. Before leaving the event site the team decided to take the intake assembly and a few other things back to the hotel so they could work on it further before finalizing it completely. The team was also asked to register by signing the bond with the event.





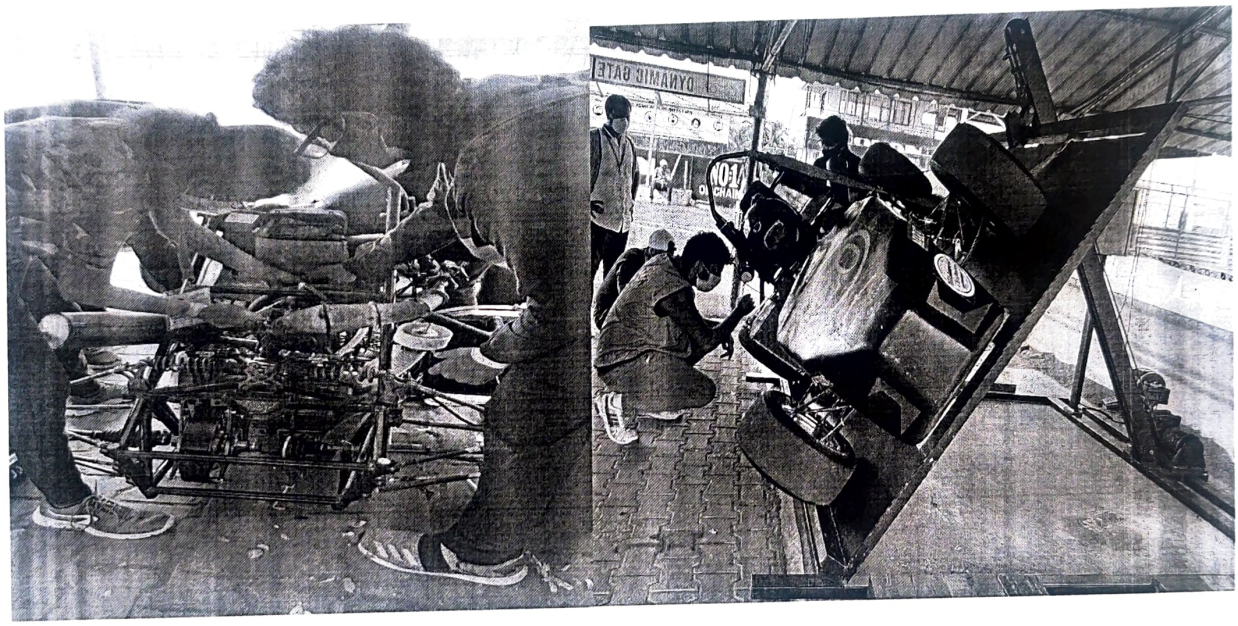
January 23rd, Day 3

Sunday was declared a complete lockdown by the government and the event site was closed as well. The team stayed indoors and completed the work in hand at the hotel. In the evening the drivers had a meeting, where they were given guidelines for the dynamic events, a thorough site plan, event locations, drive throughs and event paths. They were also asked to ask if they had any queries followed by the attendance. At night the captain briefed the events for the following day and allotted tasks to every member of the team.

January 24th, Day 4

The second last day of the event, the team had to complete all the Inspections and tests and then go for 3 events which were Accelerations, Skidpad and Autocross since they were scheduled all on same day itself. Before going forward with the dynamic event the team had to complete the sticker checklist which included Technical Inspection cleared sticker, Tilt test cleared sticker, Noise test Clear sticker, and brake test, only after that we were allowed to attempt the dynamic events. The team started and completed all the points which were mentioned, with egress were done. After checking all the points the vehicle was declared cleared for Technically clear. The team went back to the pit to perform next tests. Tilt test, as soon as the team was done with the preparations, cleared in on single attempt, then as we were done with the tilt test

and getting the sticker we went for the next test which was Noise, where we had to crank the engine and check the noise level, and tried to fire the engine but the engine was not starting, the team tried a lot of things to get it up but wasn't able to locate the problem due to which it wasn't starting, the team tried few trial and error thing which included changing intake system but it still did work. In the end, the time was declared and the team was asked to leave the event site. The team decided to bring the vehicle in the parking space outside the track to work on the vehicle and locate the problem. The team stayed at the parking lot working on the vehicle till 9:00 pm but wasn't able to find the source of the problem. Thus, the team put the vehicle in the trailer near-by and returned back to the hotel. On returning to the hotel, the captain summoned the team to brainstorm on the existing problem.



January 25th, Day 4

Next day the team left early for the event-site, where the team contacted a local mechanic to help solve the problem. He suggested changing the throttle body and trying cranking up the vehicle. A few of the team members borrowed a throttle body from a team and tested that throttle body on the engine, and it started working. The team continued to work with the borrowed body and decided to continue the competition. The team went in to talk to the officials, to ask them if the team could come in for the noise test but they declined saying the time allotted was already up. The team asked if they could do the brake test but the officials said that the tests were assigned in hierarchy and the team had to complete them in the given sequence which was Tech Inspection then tilt test then the noise test ending up with the brake test. It marked the end of the session for Team Abhedya Racers at Formula Bharat 2022. This was the last day of the event they had the endurance race which Only 4 teams cleared. After the event ended we went back to the hotel and a meeting to let every team member know what exactly happened. This was our last day in Coimbatore and tomorrow the team had the train at 8:50 am in the morning. The results were not satisfactory for any of the team members thus the team decided to head back straight to Pune.

January 26th,

In the morning the train was scheduled to depart at 8:50 am, so the team left early for the train station. The team boarded the train from Coimbatore Junction which left for Pune, with LTT express. The team underwent a head count and temperature check before boarding the train.

January 27th

Team reached Pune station by 11:00 in the morning. All the team members were safe, healthy and followed safety norms given by the authorities throughout the journey.

(Prof. A. D. Desale)
Additional Faculty Advisor,
MMCOE SAEINDIA Collegiate Club

(Dr. K. R. Patil)
Senior Faculty Advisor,
MMCOE SAEINDIA Collegiate Club

(Dr. P. S. Purandare)
Head
Mechanical Engg. Dept.

Marathwada Mitra Mandal's
COLLEGE OF ENGINEERING
S.No.18, Plot No.5/3, Karvenagar, Pune - 411052.
Accredited with 'A' Grade by NAAC
'येथे बहुतांचे हित' *Accredited by NBA - Electrical & Mechanical Engineering*

ROBOCON 2021

Faculty Coordinator -

Prof. Gaurao Chaudhary
Prof. Shubhangi Joshi

About Robocon-Team Rudra

Team Rudra is the Robotics Club of Marathwada Mitra Mandal's College of Engineering. Team Rudra has been participating in ABU Robocon since 2015. Robocon is a Robotics contest organised by Asia Pacific Broadcasting Union where teams of engineering students from various countries in Asia Pacific Region compete to complete the given tasks.
Every year the host country selects the game theme based on their culture and traditions. All the participating teams develop 2 Robots to complete the given tasks within the set time constraints.
Since our debut in Robocon 2015, where we were awarded the "Best Rookie Award". Team Rudra has shown remarkable progress in a very short time span, currently acknowledged as one of India's Best Teams.

Organizing Country - China

Theme - "Throwing Arrows Into Pots"

Theme Implementation -

The game was based on traditional etiquette in ancient China.

The theme was "Throwing arrows into pots ", in this game, each team had to design two robots, one as a throwing robot and another as a defensive robot. The throwing robot had to pick up the arrows from the rack and throw them into the pots from the outer area, and the defensive robot picked by the attempted arrows from the ground inside the inner area. The Defensive Robot also assisted the Throwing robot by

moving the tables making it easier for his team mate and also defending our own pots doing the same thing. A Defensive Robot could also attempt to score points for the team by acting as a throwing robot from the outer area.

Team Achievement -

Team Rudra scored a flawless 100 out of 100 in the first round of ABU-Robocon 2021 for the first time in the team's history.

The second round consisted of video submission highlighting the effectiveness of our robots in performing the given tasks. We scored an excellent score of 70 out of 77 in the second stage.

In the third and final stage of ABU-Robocon 2021 Team Rudra secured an ALL INDIA RANK OF 10 which is the highest rank achieved by us till date.

Also, the entire team coordinated, hosted and participated in various activities online for sharing and increasing their knowledge.

Team List -

Name	Branch	Year
Sameeran Chandorkar	E&TC Engineering	Final Year
Prathamesh Phulpagar	Computer Engineering	Final Year
Chinmay Kashid	Mechanical Engineering	Final Year
Atharva Devare	Mechanical Engineering	Third Year
Samip Katwate	Mechanical Engineering	Third Year
Swapnil Sonnad	Mechanical Engineering	Third Year
Saurabh Natu	E&TC Engineering	Third Year

Trupti Parate	E&TC Engineering	Third Year
Rucha Joshi	E&TC Engineering	Third Year
Aniket Choudhari	E&TC Engineering	Third Year
Aayush Gavande	Computer Engineering	Third Year
Soham Pingat	Computer Engineering	Third Year
Shivraj Ambilwade	Mechanical Engineering	Second Year
Piyush Jadhav	Mechanical Engineering	Second Year
Siddharth Kulkarni	E&TC Engineering	Second Year
Swarneet Jagtap	E&TC Engineering	Second Year
Yash Dangi	E&TC Engineering	Second Year
Atharva Shinde	E&TC Engineering	Second Year
Sarthak Bhalerao	E&TC Engineering	Second Year
Janhvi Karnik	E&TC Engineering	Second Year
Ishan Gala	Computer Engineering	Second Year

Faculty Coordinator
Prof. Gaurao Chaudhary
Prof. Shubhangi Joshi

Marathwada Mitra Mandal's
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Karvenagar, Pune-52
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SAENIS EFFI-CYCLE 2021 COMPETITION

SAENIS Efficycle conducts event mainly in 3 categories i.e., Conventional hybrid, Advanced Hybrid and full Electric likewise 3 wheeled vehicles, but this year they introduced a new category **'Effi-que'**. The concept included 4-wheel configuration and 3 modes of operation i.e., through battery, Pedalling and Pedal assist. The theme of this year's event was **'Power Enhancement Season'.** Due to pandemic situations the event was declared virtual. We participated in Effi-que category. Efficycle 2021 included 4 package submissions throughout year. **The team was recruited in the month of February, and final team count was** 26. Team registration, fee payment process and documents uploading were done by 16th of June. The Team id was '21014'. The Rulebook of Effi-que variant was released on 15th of June. And two mentors were allotted namely **Mr. Ajinkya Shah and Mr. Amol Waddamwar**. Our senior faculty advisor was **Dr. V. N. Gohokar**, and junior faculty advisors were **Prof. P. S. Khade** and **Prof. A. M. Suryawanshi**.

Pre-design, calculations and Design phase were carried out from the month of June to September. Team worked in seven departments i.e., **Roll cage**, Steering, Suspension, Braking, Transmission, Regeneration & Electrical, Automation & Electronics. All together we submitted 14 documents. Slot wise package submissions are mentioned below.

A) Static Evaluations (700 Marks)

1) **Package 1 submission (250 Marks):**

It included three documents namely

i) Project Plan (PP)
ii) Design Validation plan (DVP)
iii) Bill Of Material (BOM)

The submission of package one was done on 24th of September and evaluation of the same was carried out on 17th of October by cross mentor Mr. Vivek Nigam.

From mid of August to October end Team worked on CAE, Simulations, Marketing Strategies, ADAS systems and final CAD assemblies etc.

2) **Package 2 Submission (400 Marks)**:

Documentation Package 2 consisted of 10 reports namely

i) Design specification sheet
ii) Design report
iii) CAE report
iv) CAE presentation report
v) CAD report
vi) CAD package of Vehicle assembly
vii) Business Plan Presentation
viii) Advanced Technology report
ix) Innovation report
x) Energy Regeneration report

The evaluation was done on 13th of November from 10 am to 5 pm by Industrial Panel (Mr. Jatin Mittal from MSIL and Hemant Sir)

Efficycle 2021 also introduced IPG carmaker platform for virtual dynamic evaluations and the training started around September end. Each team was allotted with 5 licenses of IPG Carmaker software. The **IPG parameters sheet (Package 3 - 50 Marks) was** a part of Documentation package two which we submitted later, on 1st of November as per Submission guidelines

For virtual dynamic evaluations certain tests on vehicle were performed using IPG carmaker as to submit the tracks and final values of vehicle to technical team.

3) **Package 4 Submission:**

The DVA values obtained from different tests were filled in given document and successfully submitted after mentor's cross verification on 22nd of November.

The tests from which the DVA values were obtained are

i) Brake test
ii) Figure of 8
iii) Acceleration test
iv) Electric Drive test
v) Gradeability test
vi) Drive Excellence
vii) Endurance test

B) Dynamic Evaluations (1100 Marks)

1) **Virtual Dynamic event (1100 Marks):**

The final step of technical evaluation was live virtual dynamic event. Teams were divided in two groups and each test mentioned above were performed. This event was planned and executed on 28th of November from 10am to 4pm by IPG co-ordinators of EFFICYCLE.

C) *Organising Committee review (200 Marks)*

The last part of overall evaluation was OC review. Business and marketing strategies, Vehicle concept, penalties and management/feedback were the points of inspection. It was carried out on 2nd of December at 8pm by **Mr. Bharat Ralhan**.

D) *Valedictory Session*

The last part of EFFICYCLE 2021 was this ceremony. It was held on 5th of December from 11:30 am to 1 pm.

In Effi-que category Team Achilles achieved:

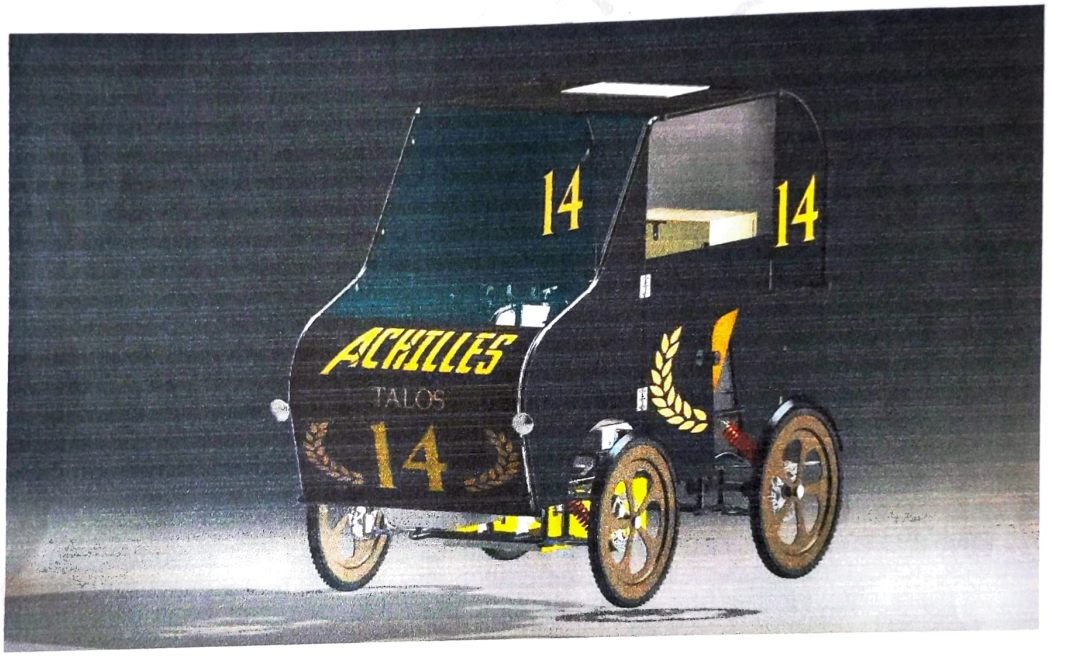
1) ***ALL INDIA RANK 1***
2) **BEST *CAE* AWARD**

And the positions in other awards are:

1) Runner up in Design compliance
2) Runner up in Business Plan + Innovation report
3) 3rd in Project plan + Design Validation plan.

We scored 1679 Marks out of 2000. Together Team achieved 1 award and 1 rank in EFFICYCLE 2021.The images are attached below. Team was appreciated by all faculty members and staff of college. And Efficycle 2021 was concluded successfully.

SAEINDIA
Award Name : Overall Winner
Category: Effi-Que
21014 ACHILLES
Marathwada Mitramandal's College Of Engineering, Pune
CHAMP
Prize Money
INR 20,000/-
Captian
Vice-Captian


14
14
ACHILLES
TALOS
14

Ms. Tanvi Kulkarni
(Captain)

Mr. Anuj Gupte
(Vice captain)

Prof. P. S. Khade
(Faculty Advisor-Mechanical)

Prof. A. M. Suryawanshi
(Faculty Advisor-Electrical)

Dr. P. S. Purandare
(HOD Mechanical)

Dr. V. N. Gohokar
(HOD Electrical)

W. M. College of Engineering
Pune-52

Report of FACE v3.0

Topic: FACE V3.0 (Fast Assessment by Company Experts)

Date: 22/4/2022 & 23/04/2022

No. of Participants: 66

Mode of Conduction: Offline

Co-ordinator: Dr. Sankirti Shiravale

Technical Experts:

- Mr. Arpit Chaoudhary-Head of Implementation at ExtraaEdge Technology Solutions Private Limited
- Ms. Niharika Adsul-Technical Operation Specialists at Extraaedge technology Solutions Private Limited
- Mr. Aman Chavan-Cloud Engineer at CloudCover
- Mr. Abhimanyu Changudhe-Project Manager at TCS

HR Experts:

- Mr. Akash Gaikwad-Senior Executive at Xoriant
- Ms. Prerna Sinha-Recruitment specialist at Extraaedge technology Solutions Private Limited.

Group Discussion Judges:

- Prof. Sayali Joshi-ENTC Department
- Prof. Nikita Kolambe-Computer Department
- Prof. Priya Sawant-Entc Department
- Prof. Nikhil Dhavase-IT Department

Training and Placement Officials and Coordinators:

- Mr. Roy Mathew-Director, Corporate Relations Division, Marathwada Mitramandal Group.
- Dr. Rahul Jagtap-HOD MBA
- Prof. Vandana Rupnar-Professor,Computer Department
- Prof. Preeti Joshi-Assistant Professor,IT Department
- Prof. Rajeshwari Malekar-Assistant Professor,Entc Department

Overview of FACEv3.0:

In the view of Industry-Institute interaction and to provide company exposure to students ISTE Students' Chapter,MMCOE organized FACEv3.0-Fast Assessment By Company Experts. It was a two day offline event which consisted of Aptitude and Psychometric tests, Group Discussion Rounds,Technical Evaluation and HR Interviews.We had an overwhelming response with 66 participants. The evaluation procedure was divided into four sections. On the first day of FACE v3.0 the participants underwent aptitude,psychometric tests out of which top 40 scorers secured their place in group

discussions round.We had unwavering support from our faculty for conducting the group discussion rounds.On the second day, 30 participants were shortlisted for technical interviews which were evaluated based on their resume, communication and technical skills and the best 11 were selected for the final HR interview round conducted by corporate experts.

The mentors had been a pillar of support in FACE v3.0. We were very grateful and we sincerely appreciate their efforts as the mentors had been instrumental in the success of this event.During this event we also had support from our Training and Placement Officials and coordinators.

The students were provided with a cumulative result in the valedictory function which was conducted at the end of the day. Mr.Yash Chavan grabbed the 1st prize(Prize Money of Rs.3,000/-), Ms.Sayali Padamawar grabbed the 2nd prize(Prize Money of Rs.2,000/-) and Ms. Mrunal Avhad grabbed the 3rd prize(Prize Money of Rs.1,000/-).All the participants brought their A-game to the table and marked their victory through courage and determination.

Outcome of the event:

Students are able to experience the interview process of campus selection. They understood the importance of ethics(PO8), presentation skills , resume writing skills (PO10) to grab the opportunity. Students work in diverse teams (PO11) and learn overall managerial skills (PO11).

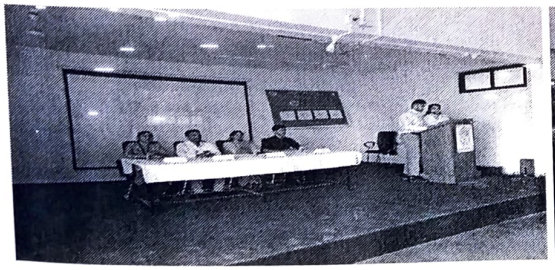
Relevance to POs and PSOs:

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
							3	2	3	2			

Attainment through event(feedback analysis)

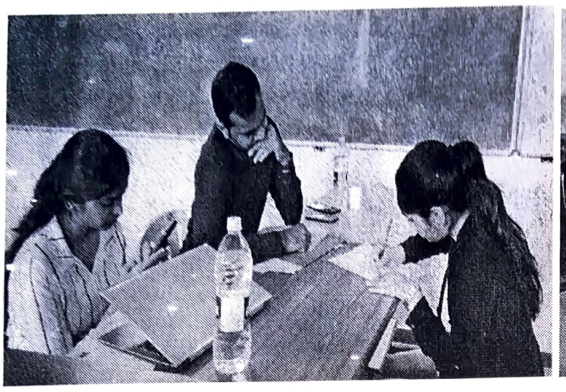
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
							2.62	2.59	2.62	2.62			

Glimpses of the Event:



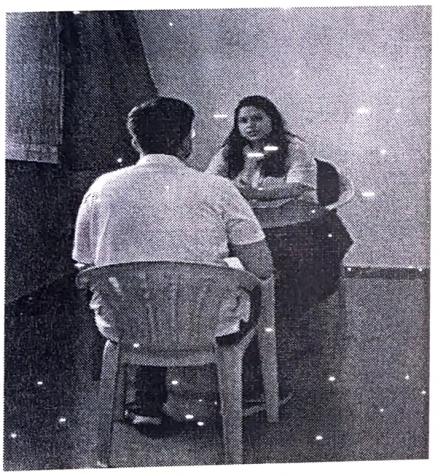
Inauguration Ceremony

Aptitude Test



Technical Interview

Group Discussion



HR Interview

Valedictory Function

Winners

Sankirti.

Dr. Sankirti Shiravale
Faculty Advisor,
ISTE SC, MMCOE

Report of "HackSprint v3.0"

From 8th to 10th October, 2021

Topic: Hacksprint v3.0

Date: 8 October -10 October, 2021

Participants: 43 teams and 158 participants.

Platform: Discord, Google meet, Github

Coordinator for the Event: Prof. Mrs. Sankirti Shiravale.

Event Details:-

The ISTE Student's Chapter of Marathwada Mitra Mandal's College of Engineering, Pune in collaboration with ACM Student's Chapter, MMCOE, Pune organized 36 hours. Hackathon -HackSprint v3.0 from 8th October 2021 to 10th October 2021. The event was conducted in a digital space encompassing 3 different platforms, GitHub, Discord and Google Meet in association with Chinmay Education Consultancy and University of Europe, Jendamark, Extraaedge, Atomic loops, Innovators Hub, Al Basics, Omnibridge, Echo 3D, Rosenfeld, Interview Cake, Give My Certificate.

Competition Details:

To compete in this competition, candidates had to register in a team of upto 3-4 contestants with a minimal registration fee of Rs.250/-. The competition had teams tackling live APIs and problem statements (Domains - Web Development, ML/AI, Android and Cloud computing) given by the sponsors. The teams were guided by alumni from MMCOE and mentors from high-end companies and institutions. The esteemed faculty members did the evaluation of the work done by the teams to declare the winner.

Commencement of the Event:

The programme began with a short welcoming of our chief guest, Dr. Dattatraya Parle Sir, Emerging Technology Expert, Nuclear AMRC, ,who shared his uplifting thoughts and commenced the hackathon. Further, the participants were made aware of the rules and regulations to be followed during the course of the event followed by introduction to our sponsors of the event. The participating teams were grouped according to their respective problem statements and domains.

Monitoring Sessions:

Spontaneous monitoring sessions took place throughout the competition and any doubts/queries of the participants were promptly attended to by the technical team and coordinators. It was being held once a day, to make sure of avoiding the malpractices in competition.The team members of ISTE SC and ACM SC were assigned to each problem statement to work as PS Coordinators.

Mentoring Sessions:

The teams which participated in the competition received guidance from the mentors in their respective mentoring sessions which were conducted in the afternoon and evening . The expert

industrial personnel enlightened the coders with the improvements and rectified them to make their products and presentations better. The coding continued up until late evening.

Fillers:

After that the fillers began and the participants, coordinators and mentors enjoyed themselves with refreshing games and amazing songs. Various fun activities such as scribble, Among Us were conducted as stress busters. The coding sessions resumed after dinner and continued till midnight for the first two days.

Valedictory Ceremony:

The event ended with a valedictory function graced by uplifting words of our honorable principal sir, Dr.S.M Deshpande, and Mrs. Asma Shaikh ma'am Secretary, ISTE followed by result declaration. The participants worked round the clock to bring the problem statement to realization. The determination of the participants and ability to work out the small details resulted in some very interesting and unique implementations of the given problem statements within the given set of rules of the competition.

The team Optimistic Peeps from D.Y Patil College Of Engineering, Pune won the Hacksprint v3.0 with a whooping reward of Rs.15,000/- .

The team Cypher Tech from MMCOE, Pune were 1st runner ups, and bagged a prize of Rs.12,000/-.

From MMCOE and Cummins,Pune Team Valient were 2nd runner ups and won a prize of Rs.10,000/-.

It was a challenging yet enthralling competition with some very interesting problem statements resulting in unique takes on them by the participants. Such a feat was only possible due to the hard work and support of the teams, staff members, alumni mentors, ISTE organizing committee and ACM organizing committee.

List of Mentors:

Sr. No.	Mentor name	Company Name
1	Niranjan Dubule (Alumni, Computer Dept)	Jendamark
2	Salil Chincholikar	IBM
3	Aditya Deshpande (Alumni, Computer Dept)	Computer Engineer Graduate
4	Ayon Roy	NielsenIQ
5	Aryan Yadav	Innovators Hub
6	Jay Parekh (Alumni, Computer Dept)	Schlumberger
7	Shweta Kothawade (Alumni, Computer Dept)	Volkswagen IT Services
8	Karan Kharode	Devtas

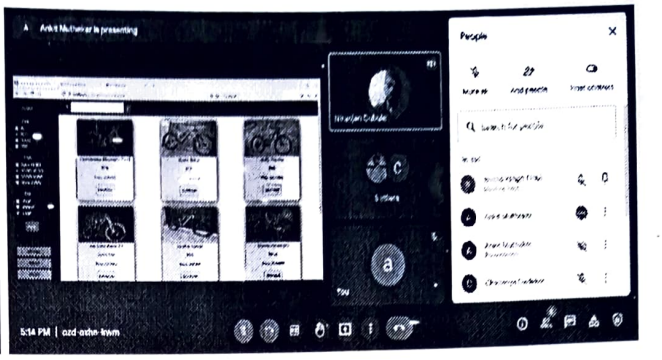
9	Shrinivas Deshmukh	PALO IT
10	Dr. Seema Verma	School of Aviation
11	Ritik Kesharwani (Alumni, Computer Dept)	Volkswagen IT Services
12	Prof. Shashikant Patil	ESTC
13	Rupali Chavan	Datta Meghe College of Engineering
14	Dr. Utkarsha Pacharaney	Datta Meghe College of Engineering
15	Shaunak Bhatlawande	San Jose State University, California

List of Sponsor Companies:

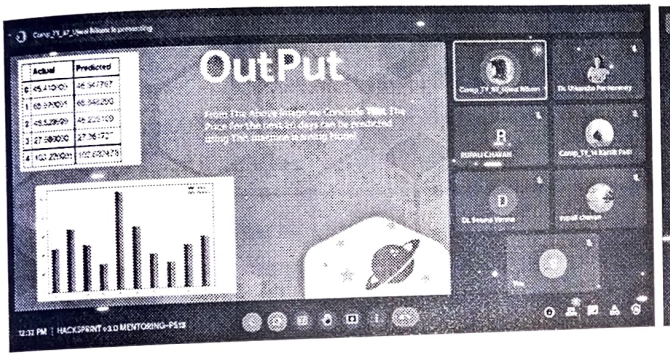
Sr. No.	Company Name	Type of Sponsorship	Point of Contact
1	Chinmay Education Consultancy and University of Europe	Title Sponsor	Mr. Shekhar Bidwai (shekharbidwai@gmail.com)
2	Jendamark	Event Sponsor and Partner	Mr. Niranjan Dubule (niranjan@jendamark.com)
3	Alobasics	Domain Partner	Mrs. Pradnya Chaudhari
4	Omni-Bridge	Domain Partner	Mr. Rohit Kulkarni (amit@omnibridge.com)
5	Ionosphere	Domain Partner	Mr. Digvijay Patil
6	Atomic Loops	Domain Partner	Mr. Vinay Phadnis
	Extraaedge	Domain Partner	Ms. Niharika Sadul
7	Give My Certificate	Certificate Partner	Contact Form
8	Rosenfeld	Educational Partner	Contact Form
9	Interview Cake	Educational Partner	Contact Form
10	Echo 3D	Educational Partner	Mr. Koren Grinshpoon (koren@echoar.xyz)
11	Taskade	Management Partner	Contact Form

Photos With Caption :-

Inaugural Function- Dr. Dattatraya Parle Sir sharing his uplifting thoughts

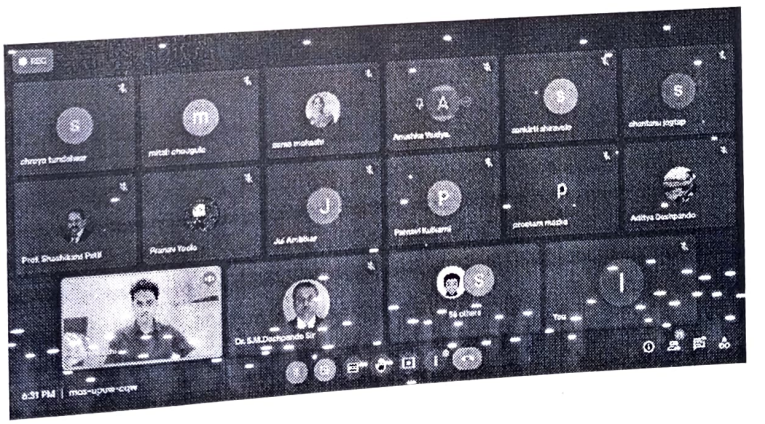


Mentoring Session



Evaluation Round - ML/AI Panel

Event Finale- Valedictory Ceremony



Vote Of Thanks - By Om Mokashi, Chairperson ISTE

Mrs. Sankirti Shiravale,

Faculty Advisor

MMCOE IEEE Student Branch

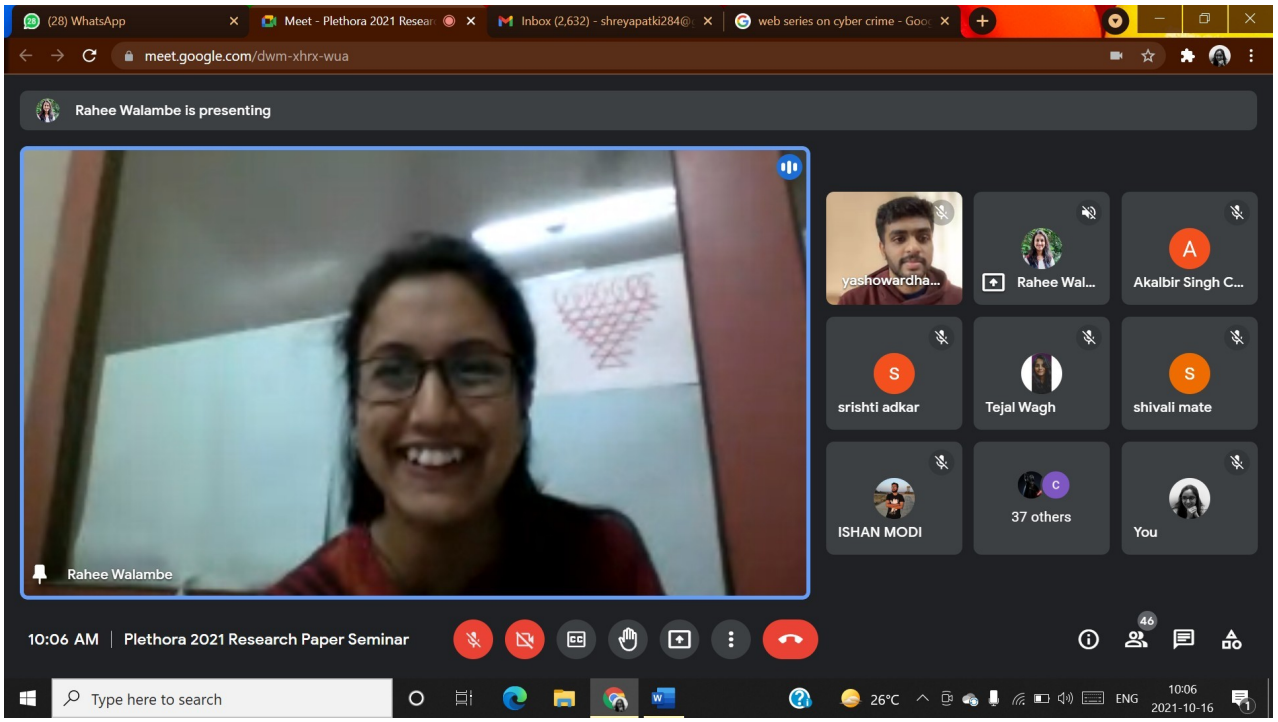
Event Name: "Plethora" , A Collaborative Event with I Square IT college

- **Event date: 16th October 2021**
- **Platform: Google Meet**

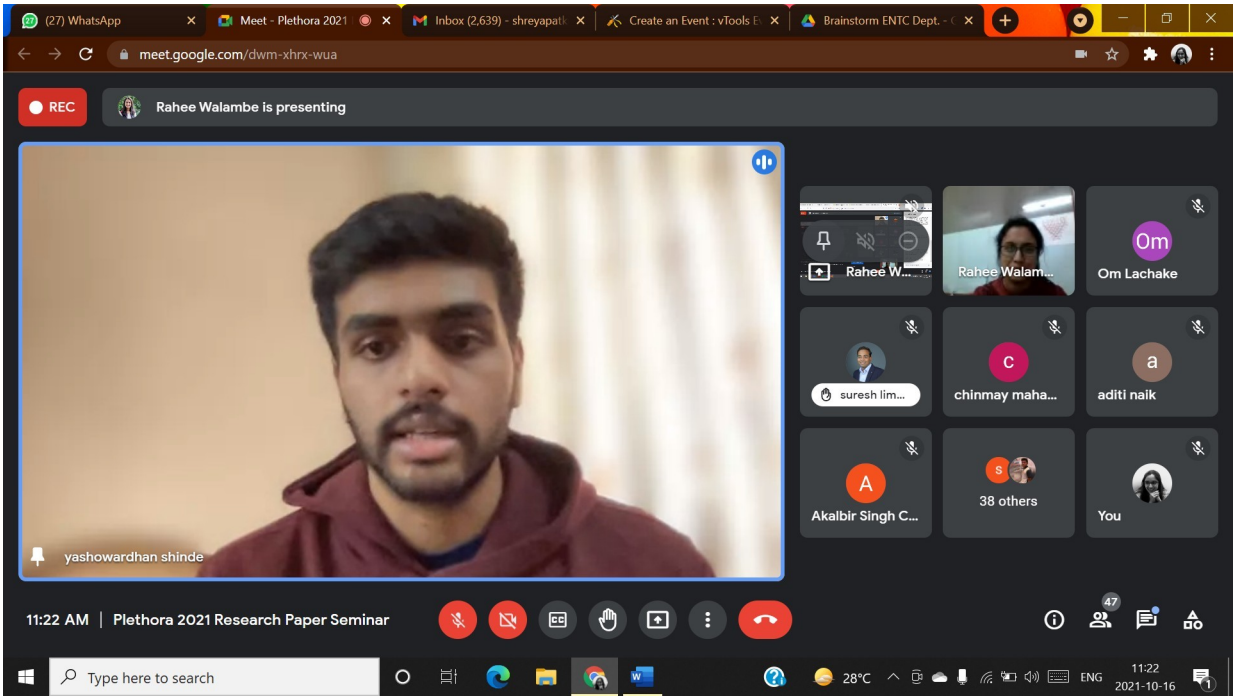
IEEE Student Branch MMCOE, in collaboration with IEEE Student Branch I Square IT, Pune had organized "Plethora" on 16th October. Plethora was a fun-filled event, open to all students of all branches and years. The event began with a webinar on "Research Paper Writing". The speaker of this webinar was Ms. Rahee Walambe, who has pursued Ph.D. from Lancaster University. She is also an Associate Faculty for SCAAI and an Associate Professor at SIT, Pune. The webinar focused upon the importance of writing a research paper, benefits to it, and how to proceed in writing it. It was an interactive session, with around 80 above students from various places attending it. The webinar was followed by a fun Logo Quiz as a mood-fresher.

The main objective of conducting this event is to inculcate the atosphere of collaborative events. Another goal of this event is to deliver the knowledge of cyber awareness and paper writing to students.

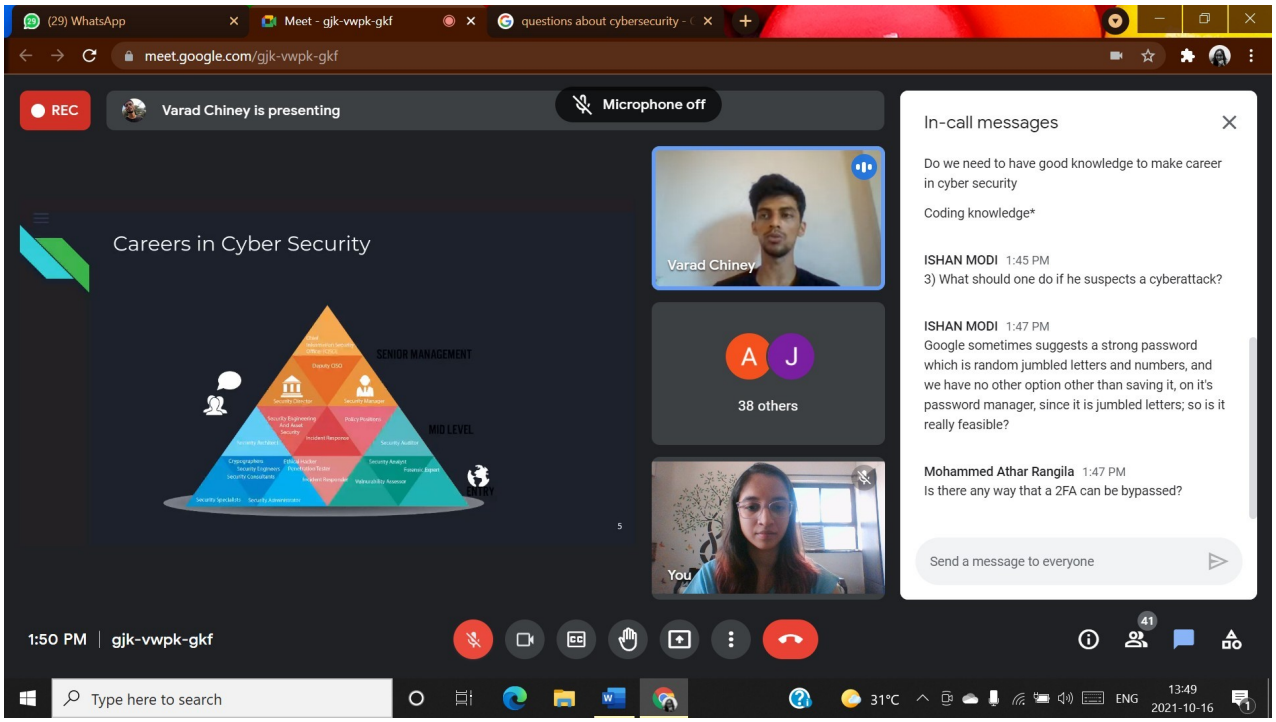
After the quiz, a webinar on "Cyber Awareness" took place. The speaker for this webinar was Mr. Varad Chiney, who is a Software Engineer at Indio Pvt. Ltd. The webinar stressed upon the importance of cyber security. The response was positive with around 50 participants and the webinar was overall very informative. The event was concluded with a vote of thanks to the speaker and participants.



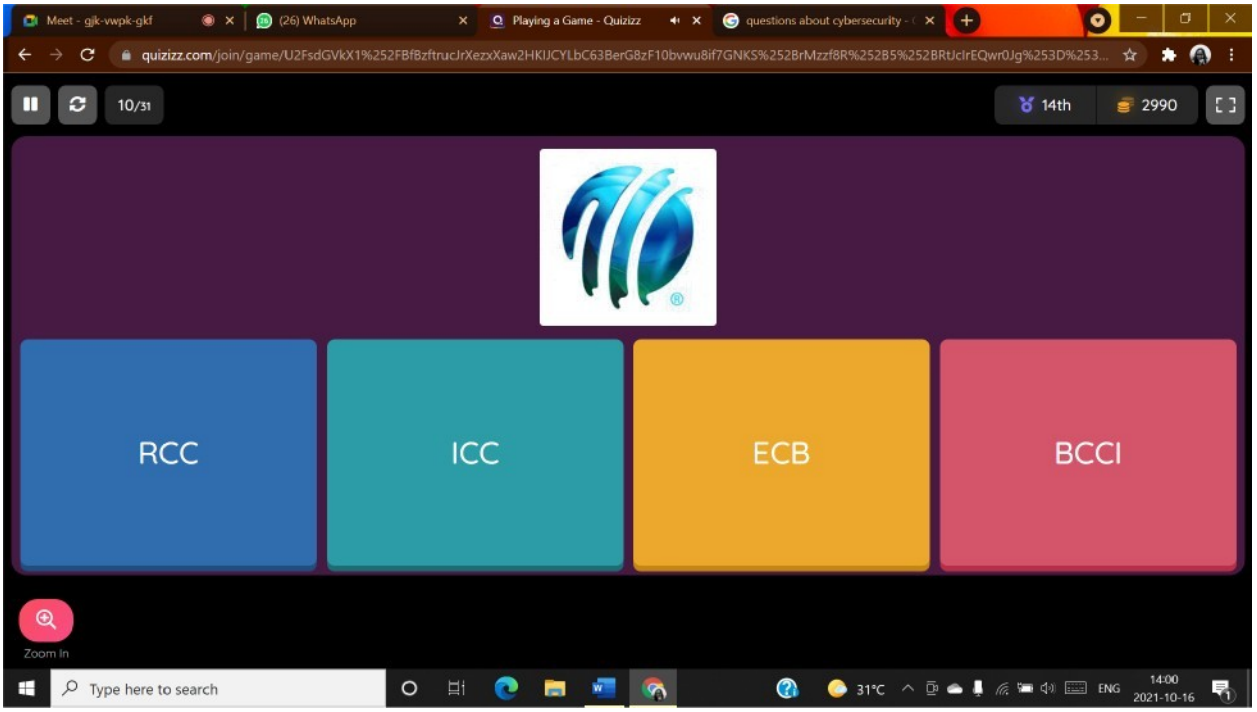
Delivering Session on "Research Paper Writing"



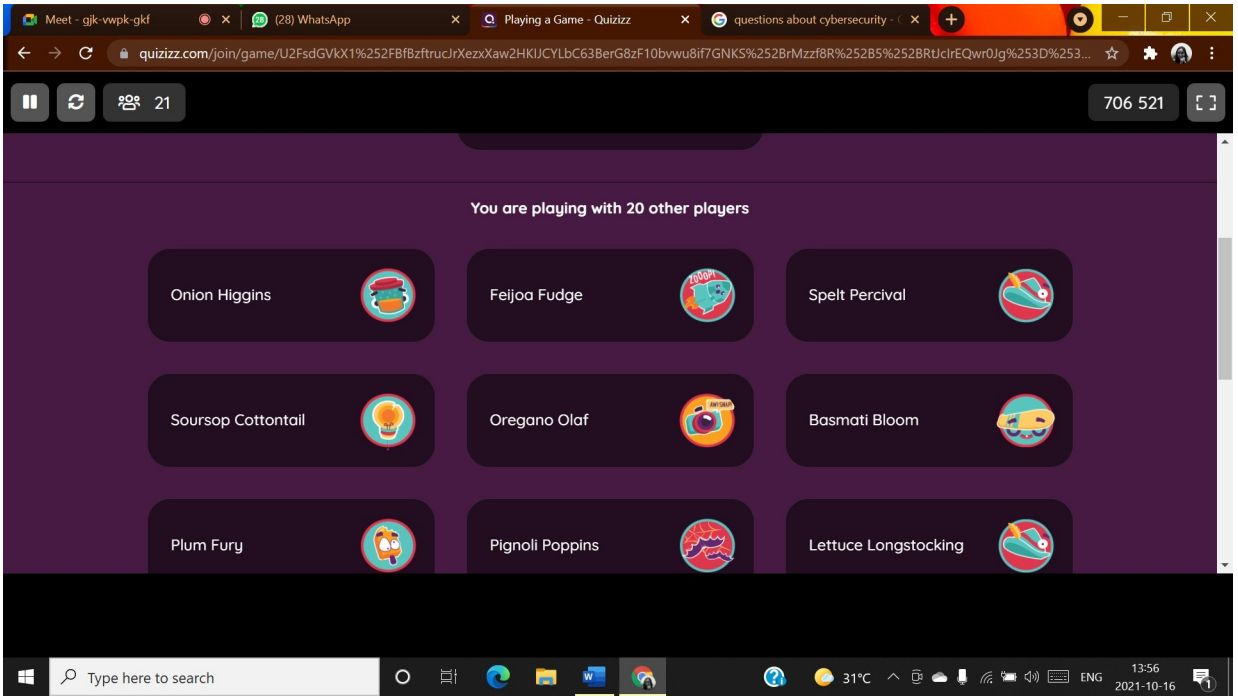
Q&A Session after delivering session



Q&A session after delivering webinar on "Cyber Awareness"



Fun-Logo Quiz



Quiz Competition

Marathwada Mitra Mandal's,
College of Engineering,
Karvenagar, Pune

Accredited with 'A' Grade by NAAC, Recipient of "Best College Award 2019" by SPPU
Accredited Mechanical and Electrical Departments by NBA

MMCOE IEEE Student Branch

Event Name: "SAP Webinar"

- **Event date: 23rd April 2022**
- **Platform: Google Meet**

IEEE Student Branch MMCOE conducted an online webinar called "SAP Webinar" on 23rd April 2022. SAP is one of the world's leading producers of software for the management of business processes, developing solutions that facilitate effective data processing and information flow across organisations. The webinar consisted of an introduction to SAP and its use cases.

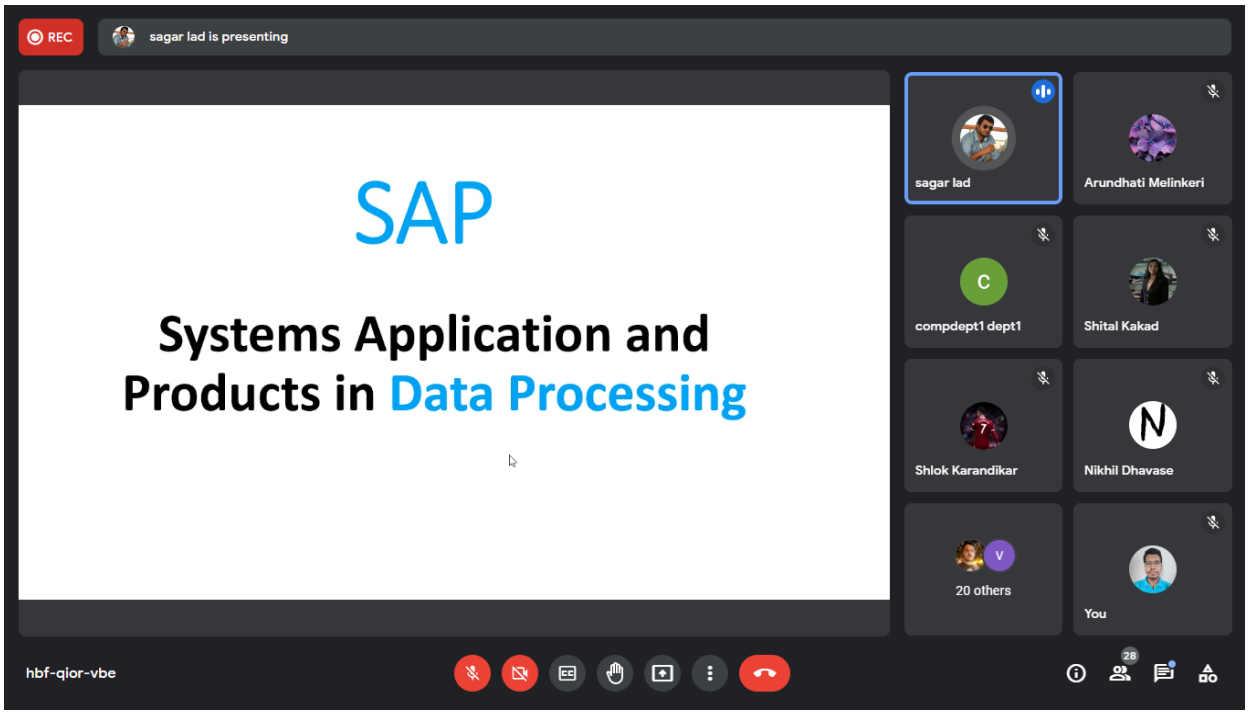
The webinar was conducted online on Google Meet from 4 pm to 6 pm. We received over 65 registrations from our college as well as other colleges in Pune like DYPCOE, and Cummins COE. The workshop was open and free for all.

The speaker for the webinar was Mr Sagar Lad. Sagar is Engineering Graduate and SAP Project Manager with 10 years of IT Industry experience in SAP Enterprise Applications for SAP Project Executions/ ERP consulting and management assignments on various releases. Experience in Manufacturing, IT consulting and SAP ERP implementations. Worked/Working with companies as Service providers for Primus Techsystems, Accenture, Suzlon Energy, and Wipro Technologies.

The workshop concluded with a QnA session and certificates were distributed at the end. The responses from the participants were overwhelmingly positive.

Leaflet:

Photographs of the event: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Systems Application and
Products in Data Processing
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Shital Kakad
Shlok Karandikar
Nikhil Dhavase
20 others
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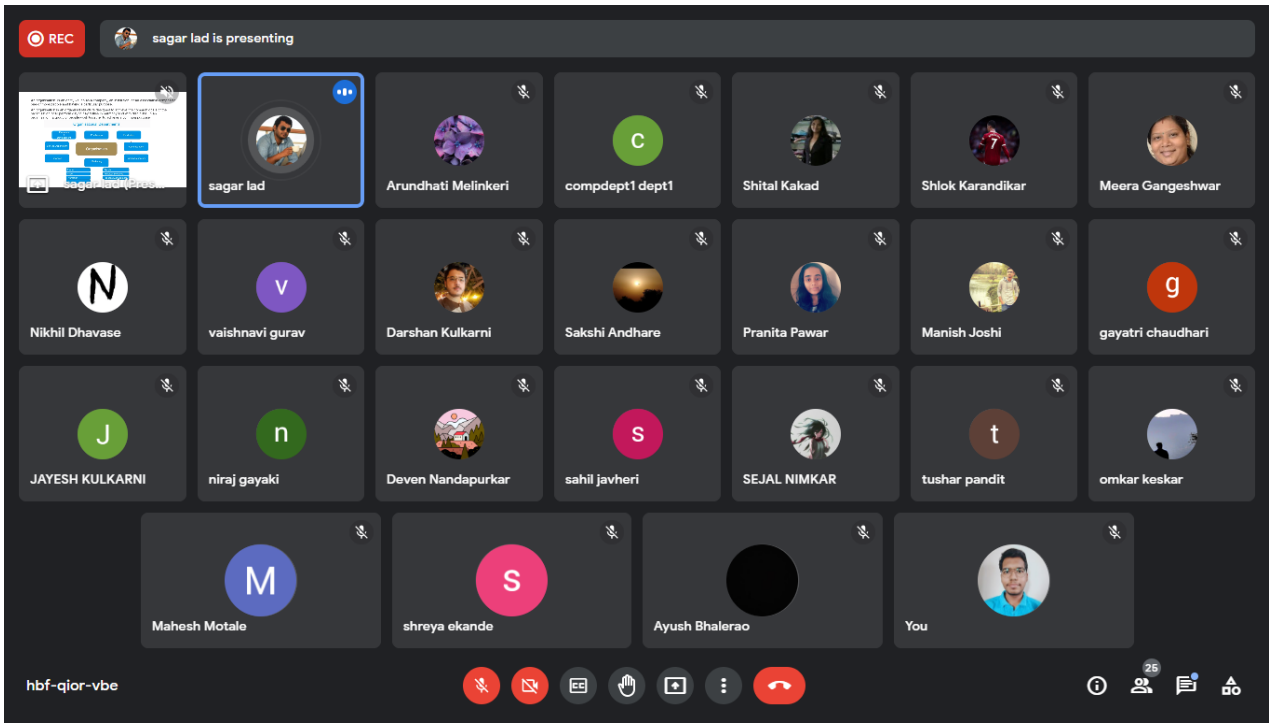
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Shlok Karandikar
Meera Gangeshwar
Nikhil Dhavase
vaishnavi gurav
Darshan Kulkarni
Sakshi Andhare
Pranita Pawar
Manish Joshi
gayatri chaudhari
JAYESH KULKARNI
niraj gayaki
Deven Nandapurkar
sahil javheri
SEJAL NIMKAR
tushar pandit
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Mahesh Motale
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Ayush Bhalerao
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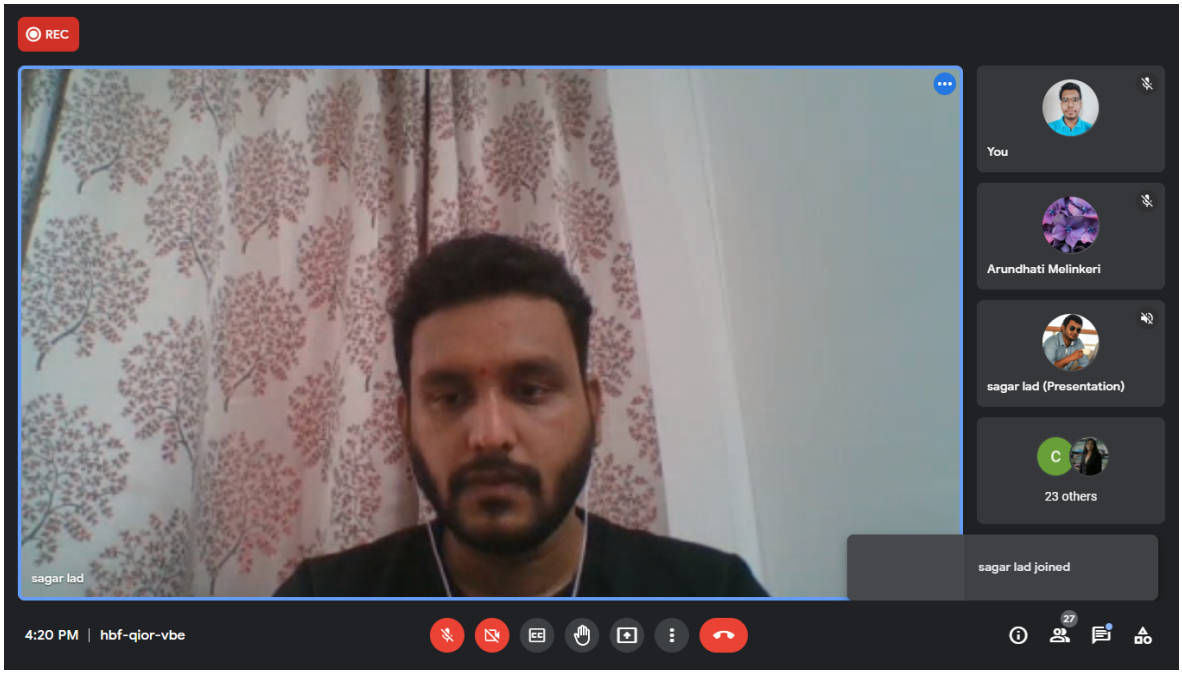
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sagar lad (Presentation)
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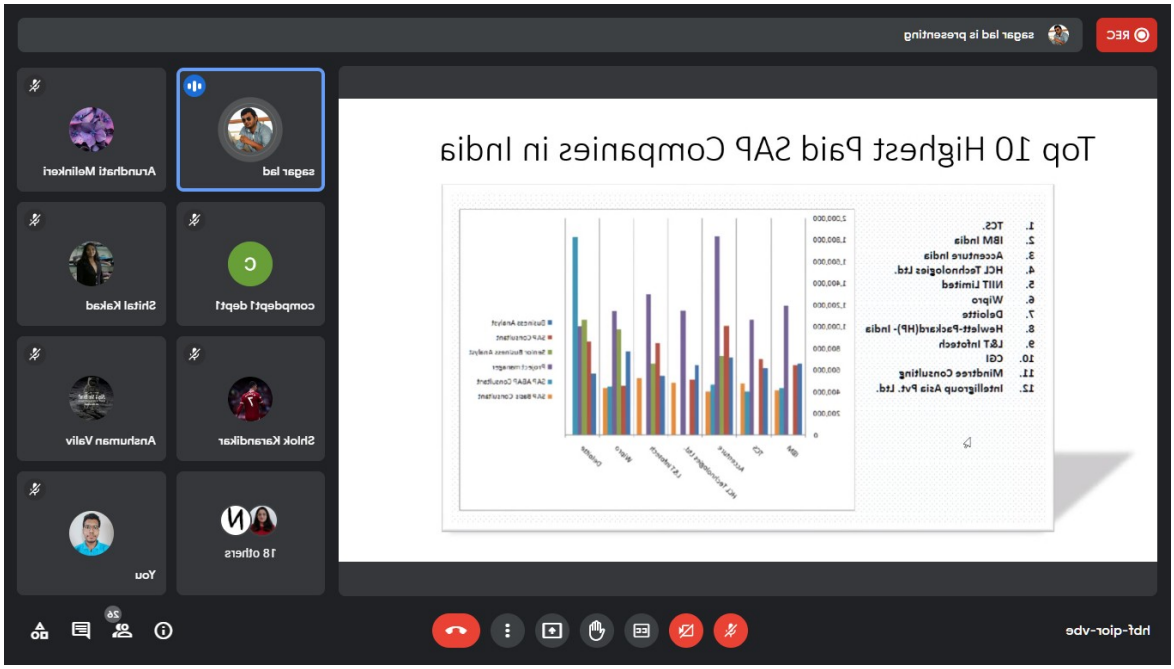
REC
sagar lad is presenting
Top 10 Highest Paid SAP Companies in India
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Arundhati Melinkeri
comp&dept1 dept
Shital Kakad
Shlok Karandikar
Anshuman Valiv
18 others
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hbf-qior-vbe

Marathwada Mitra Mandal's
College of Engineering,
Karvenagar, Pune

STUDENT BRANCH, MMCOE

Accredited with 'A' Grade by NAAC, Recipient of "Best College Award 2019" by SPPU, Accredited Mechanical and Electrical Departments by NBA

Event Name: "Technify"

- **Event date: 12th & 13th February 2022**
- **Platform: Microsoft Teams**

IEEE MMCOE Student Branch in collaboration with IEEE DYPIEMR Student Branch organised an event named "TECHNIFY" . It had a series of domain introduction webinars conducted by renowned professionals. Topics included 'Artificial Intelligence' and 'Blockchain' on the 12th and 'Internet Of Things', 'Core Mechanical' and 'Cyber Security' on the 13th. The event was sponsored by Atomic Loops and Prosperii.

The event was open for students across all branches and colleges. We received over 350 registrations from colleges all across Pune like COEP, PVG, AISSMS, Cummins, VIT amongst others.

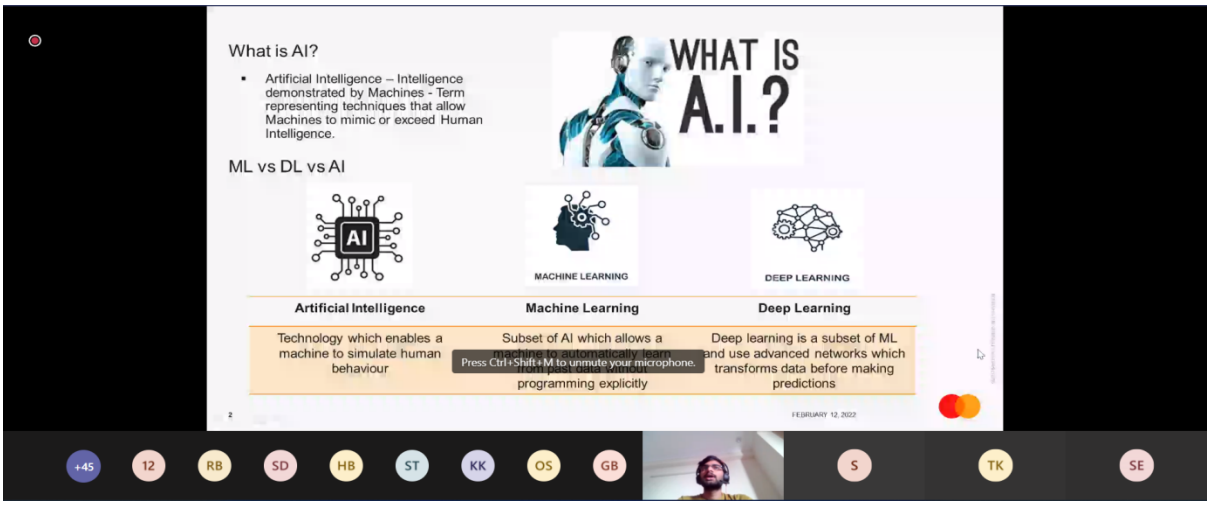
The event was conducted via Microsoft Teams. All the speakers namely Sandeep Shroff, Bhargav Pandillapalli, Abhishek Bhattacharya, Abhijeet Mahajani, Prateek Tharkare spoke in detail about their respective fields.

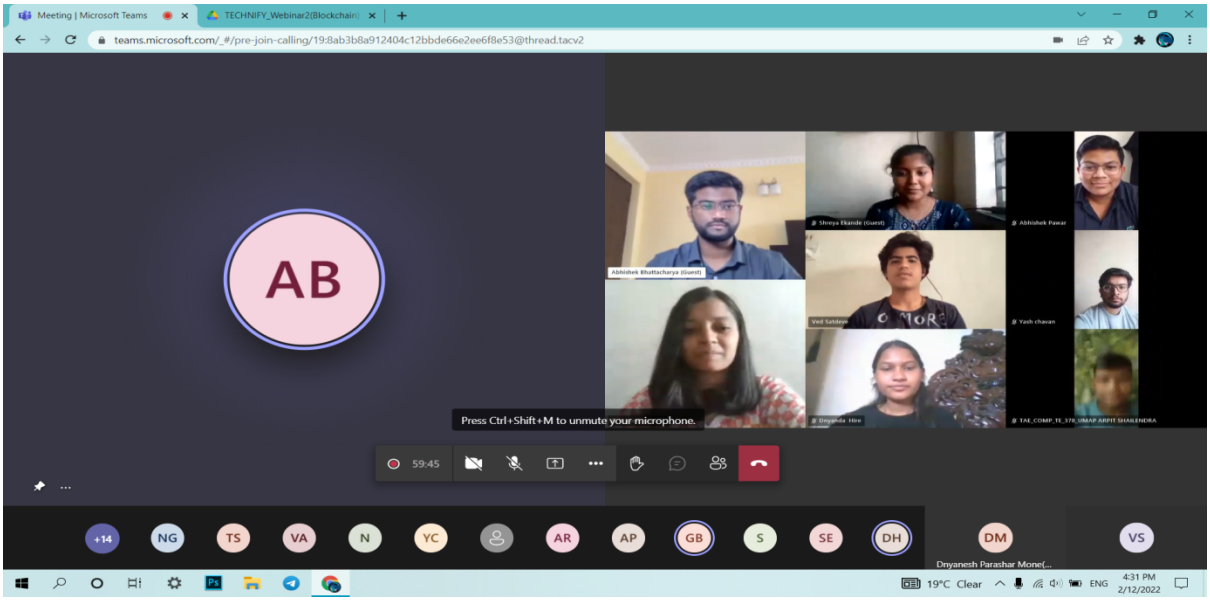
The topics were greatly useful and interesting. It was helpful for students to learn about these topics from successful people.

Leaflet:

IEEE
STUDENT BRANCH, MMCOE
DYPIEMR
IEEE Student branch
MARATHAWADA MITRAMANDAL'S COLLEGE OF ENGINEERING
IN COLLABORATION WITH
DR. D. Y. PATIL INSTITUTE OF ENGINEERING MANAGEMENT AND RESEARCH AKURDI PUNE
IEEE
Pune Section
EVENT SPONSORS
ATOMIC loops
prosperii
TECHNIFY
A SERIES OF DOMAIN INTRODUCTION WEBINARS
12TH & 13TH FEBRUARY
Registration LInk:- https://forms.gle/owP9DqoxuYky2GtB9
Abhijit Mahajani
CEO of Athena Automation & Owner of Synergy tech Instruments
Sandeep Shroff
Founder, CEO of AutoIntell Services
Abhishek Bhattacharya
Co-founder and Head of Blockchain Tech @ Brú Finance
Bhargav Pandillapalli
AI specialist @ Mastercards.
Jatin Garhwani
Cyber Security Analyst @ RNS Technology
FOR ANY QUERY CONTACT:
Sakshi Tekale(91194 72653),
Sharmistha Mitra(99217 79719)
DR. PRIYA CHARLES
IEEE branch cousellor
DYPIEMR
DR. A.V. PATIL
Principal
DYPIEMR
MRS. S. P. MONE
IEEE branch cousellor
MMCOE
DR. V. N. GOHOKAR
Principal
MMCOE

Photographs of the event:





Webinar on:
• Industrial Internet of Things (IIoT) – Curtain Raiser
Host :
IEEE- Pune Section
Date : 13th Feb 2022
BY - SANDEEP SHROFF
Founder, CEO - AUTOINTELL SERVICES
Mobile: +919922573482 / 9511892140
Email: shroffsp@autointellservices.com
www.linkedin.com/in/sandeep-shroff
www.autointellservices.com
AUTOINTELL Services
• Automation & Software Design, Development, Consulting & Training Services
• Embedded System Prototyping
• IIOT Feasibility, Strategy & Solution Consultation
Automation to Intelligence
AUTOMATION
CONNECTION
CLOUD COMPUTING
IOT
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Sandeep Shroff
05:25
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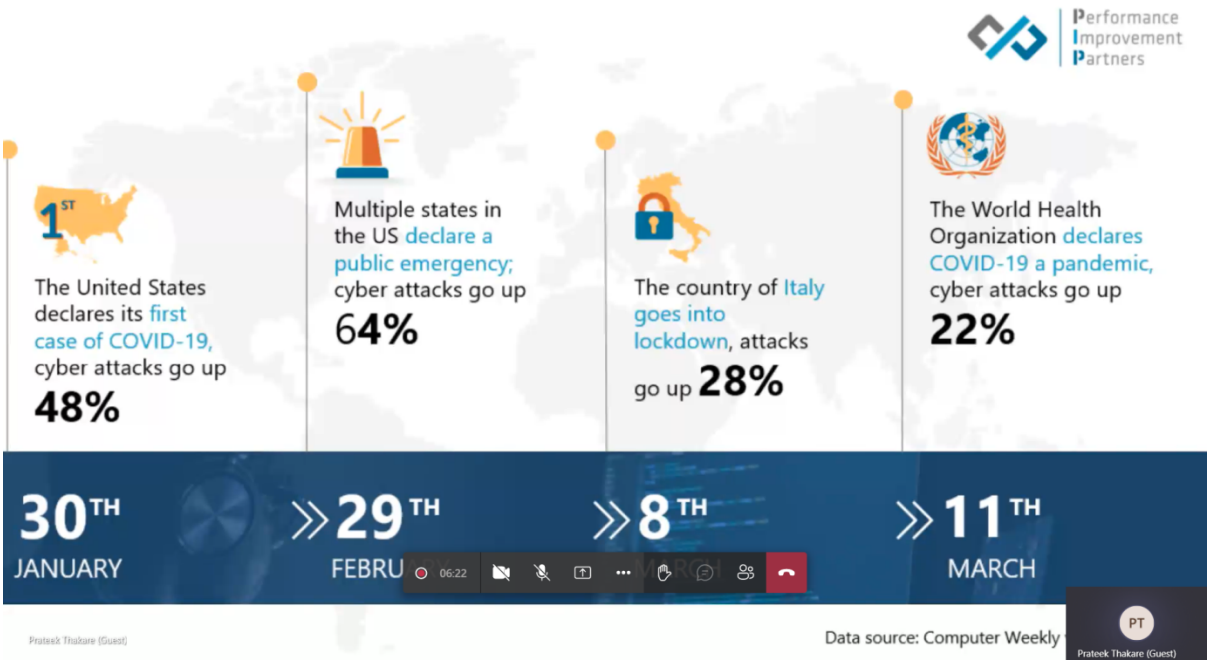

Performance Improvement Partners
1ST
The United States declares its first case of COVID-19, cyber attacks go up
48%
Multiple states in the US declare a public emergency; cyber attacks go up
64%
The country of Italy goes into lockdown, attacks go up 28%
The World Health Organization declares COVID-19 a pandemic, cyber attacks go up
22%
30TH JANUARY
29TH FEBRU
8TH
11TH MARCH
06:22
Prateek Thakare (Guest)
Data source: Computer Weekly
PT
Prateek Thakare (Guest)

MMCOE IEEE Student Branch

Event Name: A UI designing Competition, "Uxplore"

- **Event date: 26th July, 2021**
- **Platform: offline event**

On 26th July 2021, MMCOE IEEE Student Branch conducted an event on UI designing named UXplore. In this event, participants showcased their amazing UI designing skills. Participants were asked to design a UI on topic Healthcare. The event was conducted in online mode where total number of participants were 5.

The main objective to organize this event is to enhance the skill of designing among students. This will be helpful for TE projects as well as BE-projects also.

The judge for the event was Mr. Rohan Thuse, CEO of Prosperii. The UI designed by all the participants was equally amazing but every competition has a winner and this competition too, the winner of this competition was Devashish Shahakar, Who showed a bit more skills and grabbed the prize.

Event Leaflet:

Report of ISTE Workshop on POWER BI

Topic: Hands On Workshop On POWER BI

Date & Time: 17th January 2022, 10:00 am to 11:30 am.

No. of Students: 86

Link: Online session through Google meet - https://meet.google.com/fsx-jdei-dch

Faculty Advisor: Prof. Mrs. Sankirti Shiravale

Speaker of Guest Lecture: Mr. Ankur Singh

Designation and Experience: Microsoft Certified Power BI Developer, Business Intelligence Team Lead at Packt.

Topics covered:

Following topics were covered by our guest

1. What is Data Analytics?
2. Different Analytical Tools
3. What is Power BI?
4. Why Power BI?
5. How to get it - Installations and Setup
6. Different parts of Power BI
7. Demonstration of topics taught
8. Questions and Discussions Round

Event Details:

ISTE Students' Chapter from Marathwada Mitra Mandal's College of Engineering, Pune organized an intriguing hands-on workshop on the most effective and highly used tool of Microsoft- Power BI. The workshop was organized on Google Meet. The workshop began with Ms. Saakshi Shalgaonkar and Mr. Utsav Rohilla introducing the guest speaker, Mr. Ankur Singh. Thereafter Prof. Mrs. Sankirti Shiravale, Faculty Advisor welcomed the guest speaker and the participants with her kind words.

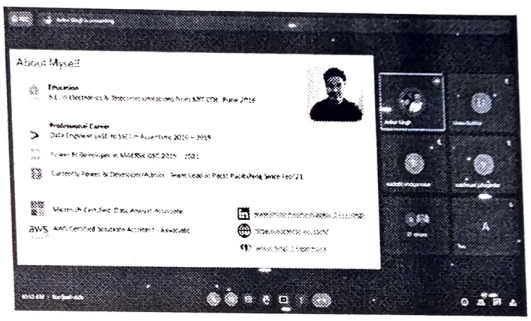
Mr. Ankur Singh conducted the webinar with great enthusiasm and all the participants responded greatly. He explained Power BI from scratch. He began the session by telling the importance of the software and basic steps to install it. Participants interacted from the start itself when they were asked questions by the speaker. Mr. Ankur Singh covered how Power BI works and what it does. With data visualization and data processing becoming a massive task to handle, this workshop gradually guided towards comfortably utilizing the advanced features of Power BI. Mr. Ankur Singh not only provided the information on Power BI but also gave hands-on experience on Power BI. The students learnt that Microsoft Power BI is used to run reports and surface insights based on a company's data. Power BI can connect to a wide range of data sets, and "tidies up" the information it's fed so that it can be better visualized and understood. The five major building blocks of Power BI: dashboards, reports, workbooks, datasets, and dataflows were thoroughly explained by the speaker.

The workshop covered the 5 main reasons to use Power BI which were:
1) Access to Volumes of data from Multiple Sources.
2) Interactive UI/UX Features.
3) Turn Insights into Action.
4) Exceptional Excel Integration.
5) Real-time Stream Analytics.

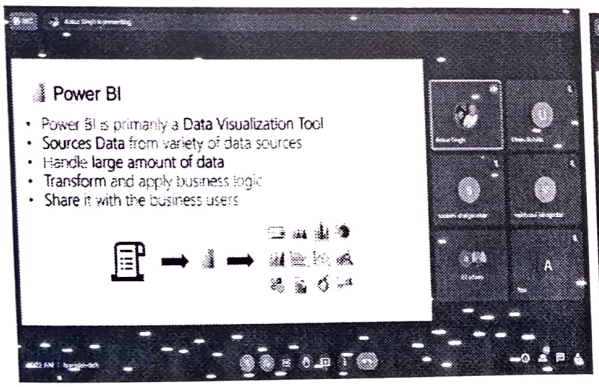
The workshop was very interactive and Mr. Ankur Singh made sure he answered all the doubts and questions of the participants. Lastly, Mr. Bhagyesh Hatwalne, Vice Chairman ISTE SC MMCOE, shared a vote of thanks and the workshop concluded. This event would not have been possible without the support team, staff members and the ISTE organizing committee

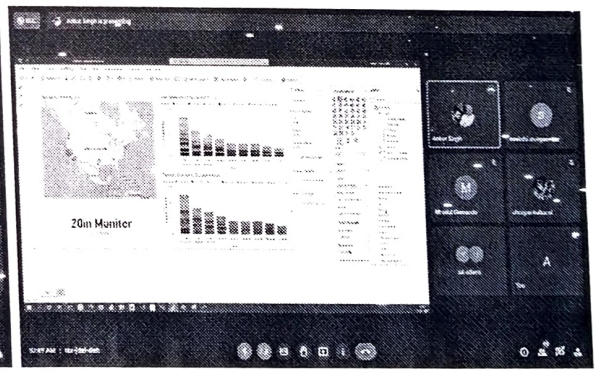
Photos with caption:

Introduction of the Programme welcoming the guest speaker



Our Guest speaker Mr. Ankur Singh introducing himself





Mr. Ankur Singh giving hands on experience for POWER BI

Prof. Mrs. Sankirti Shiravale
Sign of Staff Coordinator