



DEPARTMENT OF MECHANICAL ENGINEERING IGNITION REPORT 2022-23

IGNITION2k23–National Level Technical Symposium

The department of mechanical engineering successfully conducted IGNITION, a national level technical symposium on 03-04-2023. The function was inaugurated by **Mr. B. Prakash, Principal Member, M/s Tractors and farm Equipment Ltd (TAFE)**. **Dr. S.Ramesh Babu, HOD/MEC** gave the inaugural address about the Ignition2023. **Mr. B. Prakash** briefs about the pollution control techniques used in **Tractors and Farm Equipment Ltd (TAFE)** and emissions standard norms followed in the various countries. The symposium was started with lighting of the auspicious lamp (Kuthu Vilakku). The Chief Guest of the occasion was honored by a memento, which was given away by **Dr. S.Ramesh Babu, HOD/ME**.





The day was packed with many technical and non – technical events, which are given below:

Students across the state from different colleges enthusiastically participated in this event. On this day, Three Technical event and sie Non – Technical events were organized. The technical event includes **Innovations** (paper presentation), **Behind engineering**, **Rapo model**. In addition to it, six non – technical events had been conducted.

1. INNOVATIONS: This is an important event in the symposium. It is a group event with each team having a maximum of 2 members. This event allows students to exhibit their skills in research and development. Total number of participants -20.





2. BEHIND ENGINEERING: A product or an invention was chosen by the participants. They were allowed to express their opinions of the engineering innovations, convey the hidden history, the purpose of innovation, and how it has evolved for other applications and inspired ideas for other inventions. Participants were given 30 minutes for preparation and 10 minutes for presentation. Total number of participants -20.

3. RC RACING: This is a team event with 3 members per team. The participants are instructed to construct electric cars only with bodies painted and secured. The team which completes the circuits in the least time would be declared as winner. The participants are instructed not to use tire softening compound and tires must be rubber or foam. Total number of participants – 28

4. READY PLAYER ONE: This is a team event of 2 members which is multidisciplinary and technical. There were totally two rounds conducted – preliminary and final round. The teams with the highest scores from the preliminary round will be promoted to final round and team with the highest score will be declared as winner. Total number of participants – 40

5. STICKS AND STRUCTURES: This is a team event of maximum of 3 participants where teams had to build bridges with the sticks provided. The bridge was subjected to a minimum load and was be gradually increased till the structure undergoes failure. Ranking will be given based on the load sustained by the bridge before undergoing fracture. Total number of participants – 50





6. **RAPO MODEL:** This is a team event of maximum of 2 participants with two rounds. In the first round, the participants had to do design 2D view of 3d structure using AutoCAD. In the second round, the participants had to design 3D structure using Fusion 360 for given 2D views. Total number of participants -23.

7. **ADZAP:** This is a team event of maximum of 4 participants where participants had to create a video including creating a full-fledged creative campaign for a product. The topic was given on spot and they had to present a conceptual ad for either product or service. The judging was based on audio, visuals and how well the video suited the product. Number of participants – 30.

8. **BATTLE OF WITS:** This is a team event of 2 participants where topics were provided on spot to participants with preparation time for five minutes. There are two rounds – preliminary and knockout round. Top four teams were selected for second round and judging was based on the teams listening, reasoning, evidence, analysis, delivery, refutation and defense. number of participants – 25



9. AUTO EXPO:

Auto Expo is one of the world's premier auto shows. A signature event, that witness the best minds coming together on a single platform to showcases all that is best in the automotive world, in terms of products, technologies, concepts and trends. Also, the event witnessed the participation of some major brands such as Maruti Suzuki, Hyundai, Kia Motors, Tata Motors, Toyota, MG Motor, Lexus, and BYD. Moreover, some of these brands even showcased their concept cars along with their international and upcoming models. . Auto Expo 2023 turned out to be an immensely successful event with a record turnout of over 400 students. The number of cars and Bike are 20 and 21.



Valedictory Function

M s .Ranjani Padmanabhan, Engineering Manager, Telematics and Information Products, M/s Caterpillar India Pvt Ltd. presided over the function as chief guest for valedictory function and gave the talk about the scope for mechanical engineers in various industries. Dr. M.Mohandass Associate professor, AHOD Department of Mechanical Engineering, Sri Venkateswara College of Engineering delivered the valedictory address. Mr.M.Arul Kumar gave the vote of thanks for the valedictory function all winners were announced by Dr.S.Ramesh babu, HOD/MEC and awarded cash prize and certificates during the valedictory function.







The Symposium ended successfully with full appreciation from the participants.

Prize winners list

S.NO	Name of the event	Name
1	READY PLAYER ONE THE OPENHEIMERS Winners	Srijan Kumar N
2	Team MFC	Name : Dileep Kumar J
3	RC Racing 1st Prize	KRITHIK RAJ A, JASWANT R
4	INNOVATIONS - IGNITION'23 1st PRIZE TEAM TWINNERS	Akshaya Murali
5	2nd PRIZE,TEAM IT ELITES	Govarthanan B
6	3rd PRIZE ,TEAM TECHNOZAD	Sri hari hara sudhan M
7	RAPO MODEL,*1st PRIZE*	SURYA SORAKKA JAGANNATHAN
8	2nd PRIZE*	Yokesh K P
9	STICK AND STRUCTURES 1 st PLACE,Team Z	BHARATH P
10	2 nd PLACE TEAM ONE	CHARAN P , HARISH N
11	ADZAP 1st place*	: Harish Kumaresan
12	2nd place*	Arshad Varun Srinivasan
13	Behind Engineering ,1st place	E.Gurunathraj
14	2nd place	:R.HariHaraSudan
15	BATTLE OF WITS ,First place	BHARATH P
16	Second place	CHARAN P

Sample Certificate



Certificate of Appreciation

is presented to

.....

THIS IS TO CERTIFY THAT MR/MRS
FROM DEPARTMENT OF HAS WON IN
..... OF IGNITION'23 WHICH WAS
CONDUCTED BY SME, SVCE.

Dr. S. Ramesh babu
Hod of Mechanical dept., SVCE

OUR SPONSORS:





IGNITION' 23

THIS APRIL 3rd

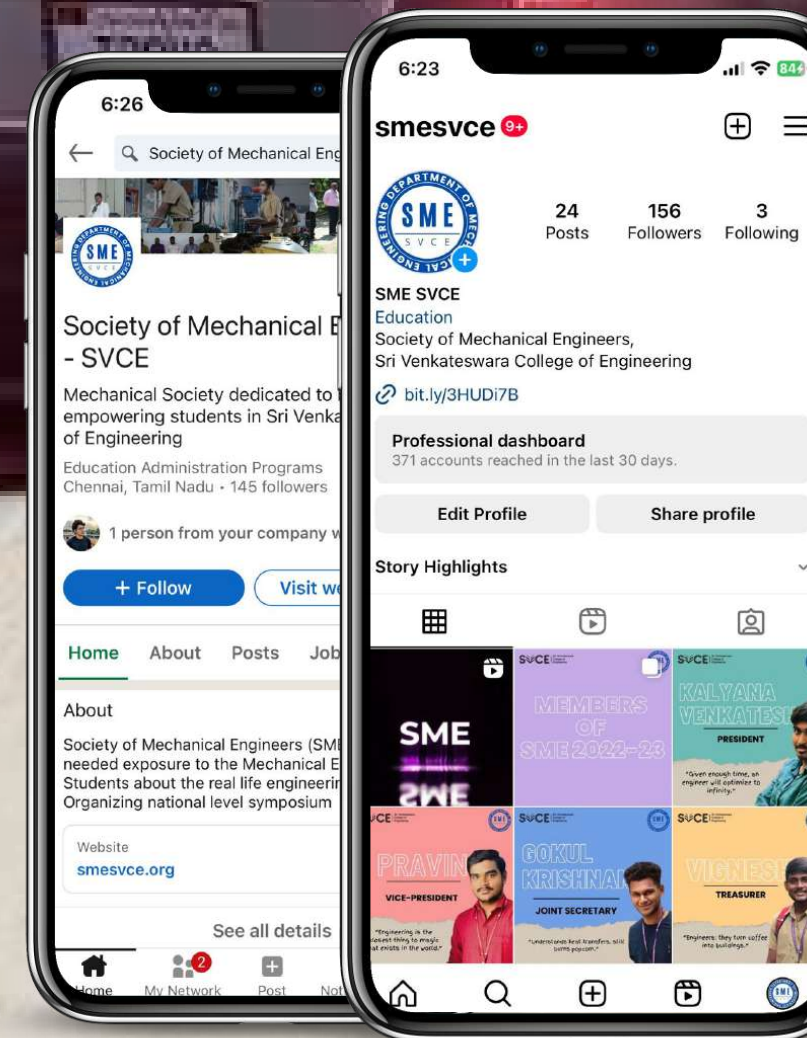
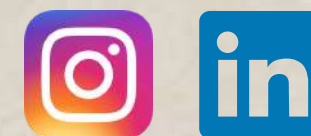
AUTO EXPO



EVENTS

- BATTLE OF WITS
- RAPO MODEL
- BEHIND ENGINEERING
- READY PLAYER ONE
- RC-RACING
- INNOVATIONS
- STICKS AND STRUCTURE
- ADS UP

CONNECT
WITH US ON !



SCAN TO REGISTER!

ABOUT IGNITION



IGNITION is a symposium organized by the Society of Mechanical Engineers (SME) of the Department of Mechanical Engineering at SVCE. The event is designed to showcase technical, providing a platform for students from all departments and years to participate. The symposium is aimed at encouraging students to showcase their technical skills, as well as promoting teamwork and communication among students. These events provide an opportunity for students to interact with each other and develop their skills such as teamwork, leadership, and time management.

IGNITION is an excellent opportunity for students to learn and gain exposure to the latest trends and technologies in the field of mechanical engineering. The event also offers networking opportunities, where students can interact with industry experts and professionals, providing them with a platform to learn about career prospects and opportunities in their field of interest. Overall, IGNITION is an exciting symposium that promises to be a platform for students to showcase their skills, learn from experts, and network with like-minded individuals.

TECHNICAL EVENTS

BATTLE OF WITS



"Battle of wits between two-person teams, with topics given on the spot and judged based on reasoning, evidence, delivery, and refutation."

RAPID MODEL



"Two-person teams compete in two rounds of design using AutoCAD or Fusion360, judged on completeness in stipulated time."

*rules of the events will be given in a separate rule book

TECHNICAL EVENTS

ready player one

"A two-person team quiz competition with multidisciplinary and technical topics, featuring a preliminary and final round, with the team with the highest score winning."

BEHIND ENGINEERING

"Behind Engineering is a multidisciplinary event for individual or two-person teams to express opinions on engineering innovations, their hidden history, purpose, evolution, social economic impact, and inspired ideas, with a 10-minute time limit."

INNOVATIONS

"Innovations is a team paper presentation event where participants present their research ideas and projects, submit a softcopy of their idea, and deliver a PowerPoint presentation within a 10-15 minute time limit."

*rules of the events will be given in a separate rule book

TECHNICAL EVENTS

RC RACING

"RC Racing is an event for individual or team participation where participants bring their own RC cars, for the parameters given and are set to race on the circuit."

STICKS AND STRUCTURE

"Sticks and Structure is a team event for up to 3 members to build bridges with ice cream sticks within given parameters and time limit. Bridges will be subjected to increasing loads until failure, with ranking based on the maximum load sustained before fracture and the winning team having the highest load."

ADZAP

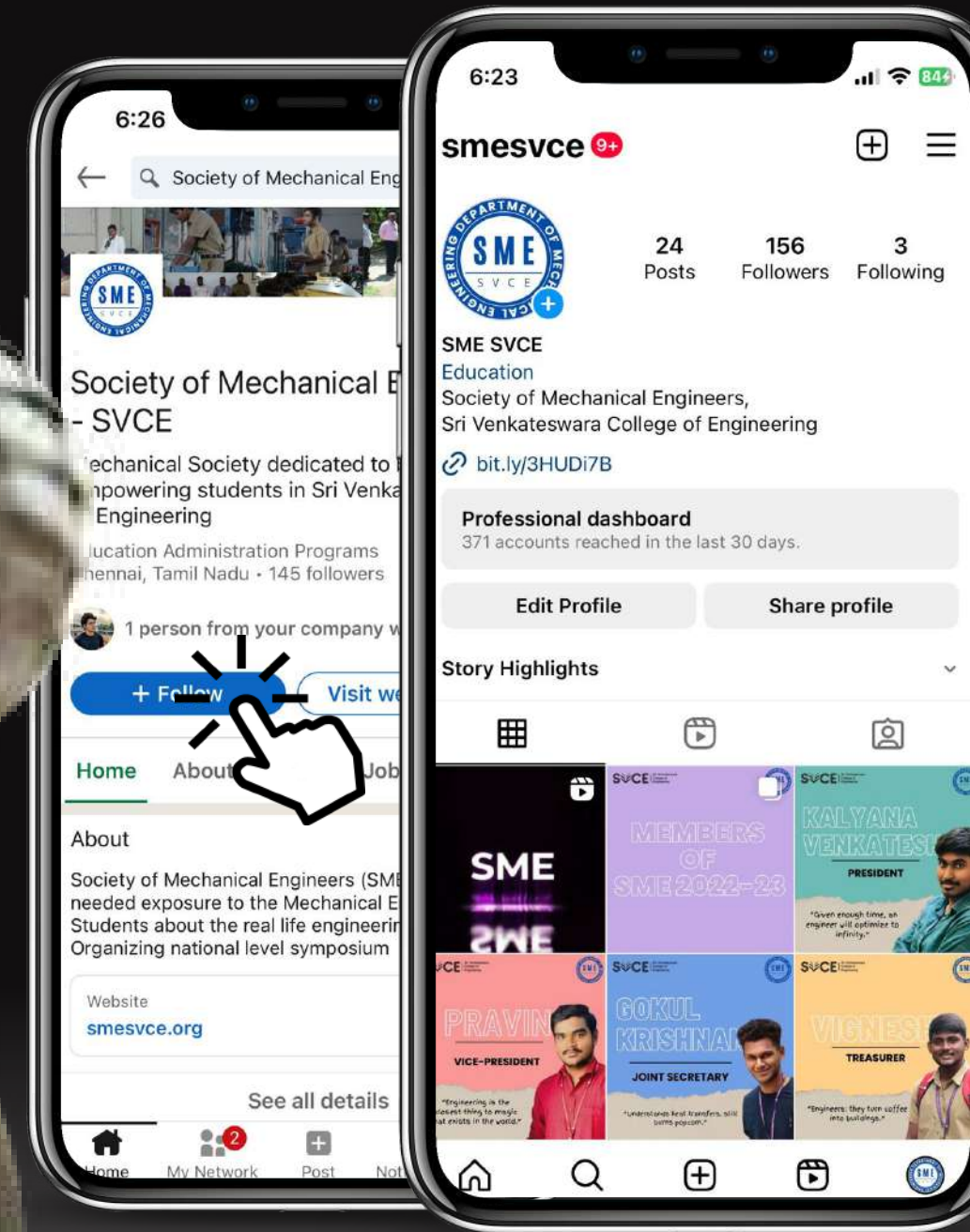
"Adzap is a team competition with a maximum of 4 members, requiring the creation of a marketing plan and full-fledged creative campaign for a product or service with topics given on the spot. Teams will be given time to prepare and are judged on content, spontaneity, coordination, appeal, humor, and performance. A 2-minute video of the product is required."

*rules of the events will be given in a seperate rule book

AUTO EXPO AUTO EXPO



**FOR MORE UPDATES
CHECK OUR SOCIALS**



**A CLASS
OF IT'S OWN...**



Instagram - Society of Mechanical Engineers



Linked In - Society of Mechanical Engineers



SVCE | Sri Venkateswara
College of
Engineering



An Autonomous Institution Affiliated to Anna University, Chennai
Pennalur, Sriperumbudur Tk, KancheepuramDt, Tamil Nadu 602117.

SOCIETY OF MECHANICAL ENGINEERS

Solicit your esteemed presence for the

Inaugural function

of

IGNITION 2K23

A National Level Technical Symposium

Inaugural address by



Mr. B. Prakash

Principal Member, NVH Department

Research and Development

M/s Tractors and Farm Equipment Ltd (TAFE)

Venue : Function Hall

Date : 03.04.2023

Timings : 8.45 am to 9.45 am

ALL ARE WELCOME

National Level Technical Symposium

IGNITION 2K23

Inaugural Function

Date: 3rd April 2023

Timings – 8.45 AM to 9.45 AM

Program Schedule

Starting with prayer

- Welcome Address** - **Mr. A. Gokul Krishnan**
Secretary - SME
- Introduction to the theme of IGNITION 2K23** - **Mr. Akash S**
Office Bearer - SME
- HOD Address** - **Dr. S. Ramesh Babu**
Professor & Head

Lighting the Auspicious Lamp

- Introducing Chief Guest** - **Mr. G. Kirubakaran**
Assistant Professor
- Inaugural Address** - **Mr. B. Prakash**
Principal Member
NVH Department
M/s Tractors and Farm
Equipment Ltd. (TAFE)
- Vote of Thanks** - **Mr. S. Rishab**
Office Bearer -SME



SVCE | Sri Venkateswara
College of
Engineering



An Autonomous Institution Affiliated to Anna University, Chennai
Pennalur, Sriperumbudur Tk, Kancheepuram Dt, Tamil Nadu-602117.

SOCIETY OF MECHANICAL ENGINEERS

Solicit your esteemed presence for the

Valedictory function

of

IGNITION 2K23

A National Level Technical Symposium

Valedictory address by



Ms. Ranjani Padmanabhan
Engineering Manager
Telematics and Information Products
M/s Caterpillar India Pvt Ltd

Venue : Function Hall

Date : 03.04.2023

Timings : 2.00 pm to 3.10 pm

ALL ARE WELCOME

National Level Technical Symposium

IGNITION 2K23

Valedictory Function

Date: 3rd April 2023

Timings – 2.00 PM to 3.10 PM

Program Schedule

- Welcome Address** - **Mr. A. Vignesh**
Treasurer - SME
- HOD Address** - **Dr. M. Mohandass**
Associate Professor & AHoD/ME
- Introducing Chief Guest** - **Mr. M. Nishal**
Assistant Professor
- Valedictory Address** - **Mrs. Ranjani Padmanabhan**
Engineering Manager
M/s Caterpillar India

Certificate Distribution

- Vote of Thanks** - **Mr. M. Arulkumar**
Assistant Professor

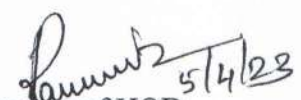


SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK FROM THE SPEAKER / EXPERT

DEPARTMENT	: Mechanical
Name of the Speaker / Expert	: Ranjan Padmanabhan
Designation	: Engineering Manager
Institution/University/Organisation :	Telematics and Information products H&C Caterpillar India Pvt Ltd
Mobile / E-mail	: 989
Title of the Event	: SNE
Date	: 31/4/2023
Time	: 2.30
Venue	: Function Hall
Comments by the Speaker /Expert :	<p>* Good facilitation by coordinators.</p> <p>* Interesting events to inculcate innovation</p>
Suggestions for improvement	:
Signature of the Speaker / Expert	:


 Signature of Coordinator


 Signature of HOD 5/4/23



SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK FROM THE SPEAKER / EXPERT

DEPARTMENT

Mechanical

Name of the Speaker / Expert	Mr. B. Prakash
Designation	Principal member, NVH department
Institution/University/Organisation	Research & development
Mobile / E-mail	: 9962402223.
Title of the Event	: SNE
Date	: 3/4/2023
Time	: 9.00 am to 9.45 am.
Venue	: Function Hall, SVCE.
Comments by the Speaker /Expert	: Session was organized in proper manner, Thanks for the opportunity to in future need any support in NVH we are eager to support.
Suggestions for improvement	: —
Signature of the Speaker / Expert	

Signature of Coordinator

Signature of HOD 5/4/23

Sri Venkateswara College of Engineering, Sriperumbudur-602117

Third year B Mechanical (2020-2024)

Attendance sheet Ignition 2023 Date:3.4.2023

Sr No.	Adm. No.	Student Name	Univ. Reg. No.	
1	2020ME0313	AATHEESHWAR G	2127201001001	/
2	2020ME0383	ABISHEK G	2127201001002	/
3	2020ME0711	ADITYA RAJARATHNAM	2127201001003	/
4	2020ME0116	AKASH R	2127201001004	/
5	2020ME0231	ANEESH VARMAN S	2127201001005	/
6	2020ME0123	ANTON JEROME A	2127201001006	/
7	2020ME0297	ANUSHYANTH A	2127201001007	/
8	2020ME0713	ARAVINDAN B	2127201001008	/
9	2020ME0844	ARUNKUMAR S	2127201001009	/
10	2020ME0160	BHARATH P	2127201001010	/
11	2020ME0329	BOOBALAN G	2127201001011	/
12	2020ME0657	CHARAN P	2127201001012	/
13	2020ME0738	CHIDAMBARATHANU L	2127201001013	/
14	2020ME0816	DARSHAN ARUNACHALA J	2127201001014	/
15	2020ME0336	DILLIRAJAN K	2127201001015	/
16	2020ME0204	GIRI R	2127201001016	/
17	2020ME0664	GOKUL KRISHNAN A	2127201001017	/
18	2020ME0098	GOKULA KRISHNAN R	2127201001018	/
19	2020ME0236	GOWRISH H	2127201001019	/
20	2020ME0193	HARI GOWTHAM R	2127201001020	/
21	2020ME0532	HARIHARA SUDAN R	2127201001021	/
22	2020ME0777	HARSHA VARDHAN J	2127201001022	/
23	2020ME0706	JAGANKUMAR M	2127201001023	/
24	2020ME0277	JAYASHREE M	2127201001024	/
25	2020ME0668	JEYARAMAN B	2127201001025	/
26	2020ME0717	JOSEPH C JOY	2127201001026	/
27	2020ME0858	JUSTIN KIRAN KUMAR S	2127201001027	/
28	2020ME0663	KALYAN M S	2127201001028	/
29	2020ME0355	KAUSHIGARAJAN U K	2127201001029	/
30	2020ME0640	KAVIARASU M	2127201001030	/
31	2020ME0785	KEERTHIVARMAN A	2127201001031	/
32	2020ME0276	KIRAN GOUTAM J B	2127201001032	/
33	2020ME0792	KISHORE S	2127201001033	/
34	2020ME0731	LOHESH M V	2127201001034	/
35	2020ME0680	LOKESH A	2127201001035	/

36	2020ME0835	MAGESH RAM R	2127201001036	/
37	2020ME0270	MANIKANDAN J	2127201001037	/
38	2020ME0702	MANOJ KUMAR S	2127201001038	/
39	2020ME0105	MANU RAGHAV M	2127201001039	/
40	2020ME0108	MEER THAHIR A A	2127201001040	/
41	2020ME0689	MELVIN ROSOAARIO A	2127201001041	/
42	2020ME0917	ASHWIN D	2127201001301	/
43	2020ME0946	BARATH N	2127201001302	/
44	2020ME0899	HARIHARAN M	2127201001303	/
45	2020ME0876	KISHORE R	2127201001304	/
46	2020ME0913	MAHENDRA SENANI K	2127201001305	/
47	2020ME0905	MANIKANDAN R	2127201001306	/
48	2020ME0962	MOHAMED AMMAR S	2127201001307	/
49	2020ME0925	MOHAMMED AASHIQ A	2127201001308	/
50	2020ME0893	PAVITHRAN T	2127201001309	/
51	2020ME0922	PERUNDEVAN S	2127201001310	/

Third year B Mechanical (2020-2024)
Attendance sheet Ignition 3.4.2021

Sr No.	Adm. No.	Student Name	Univ. Reg. No.	
1	2020ME0381	METHUN T	2127201001042	/
2	2020ME0725	MONESH KANNA K	2127201001043	/
3	2020ME0137	MONISH V	2127201001044	/
4	2020ME0687	MUGUNTHAN S	2127201001045	/
5	2020ME0073	MUTHU SELVAM N	2127201001046	/
6	2020ME0110	PALANIVEL G	2127201001047	/
7	2020ME0700	PARTHAASARATHY B	2127201001048	/
8	2020ME0102	PASUPATHY M M	2127201001049	/
9	2020ME0720	PRADEEP B K	2127201001050	/
10	2020ME0374	PRADEP SREENIVASAN R	2127201001051	/
11	2020ME0723	RAAGHAV V	2127201001052	/
12	2020ME0671	RAHUL ARAVIND P	2127201001053	/
13	2020ME0685	RAHUL KARUPPIAH B	2127201001054	/
14	2020ME0115	RAMESH ARAVIND J M	2127201001055	/
15	2020ME0735	RAVI SANJAY KARTHIK	2127201001056	/
16	2020ME0682	RAVIRAM R	2127201001057	/
17	2020ME0678	RISHAB SETHURAMAN	2127201001058	/
18	2020ME0737	ROSHAN BENNI PHILIP	2127201001059	/

19	2020ME0133	SACHITHANANTHAN J	2127201001060	/
20	2020ME0128	SAI SURYA S	2127201001061	/
21	2020ME0232	SAIKUMAR R V	2127201001062	/
22	2020ME0771	SANDEEP KUMAR D	2127201001063	/
23	2020ME0659	SANJAY KUMAR S	2127201001064	/
24	2020ME0310	SHAMEER MOHAMED S	2127201001065	/
25	2020ME0666	SHASHANG G	2127201001066	/
26	2020ME0311	SHREERAM S	2127201001067	/
27	2020ME0715	SRIRAM K	2127201001069	/
28	2020ME0796	SUBHIKSHAN A	2127201001071	/
29	2020ME0135	SURYA PRAKASH B	2127201001072	/
30	2020ME0781	SYLENDRA FRABANJAN S	2127201001073	/
31	2020ME0707	THARUN M S K	2127201001074	/
32	2020ME0203	THARUN RAJAN S	2127201001075	/
33	2020ME0106	TUSHIT DEV M	2127201001076	/
34	2020ME0122	VARADHARAJAN C N	2127201001077	/
35	2020ME0130	VASANTH K	2127201001078	/
36	2020ME0364	VIGNESH D	2127201001079	/
37	2020ME0096	VINISH U	2127201001080	/
38	2020ME0841	VISHAL BALAJI J	2127201001081	/
39	2020ME0933	PRABHU RAM N	2127201001311	/
40	2020ME0903	PRAVEEN KUMAR V	2127201001312	/
41	2020ME0920	PRAWIN D	2127201001313	/
42	2020ME0885	RAJESHKUMAR A	2127201001314	/
43	2020ME0877	SHARMA V	2127201001315	/
44	2020ME0890	SHARVESH RAM R R	2127201001316	/
45	2020ME0939	SRI MANO S	2127201001317	/
46	2020ME0867	SRIRAM S S	2127201001318	/
47	2020ME0964	STEPHEN RAJ D	2127201001319	/
48	2020ME0916	UKESH R	2127201001320	/
49	2020ME0883	YUVARAJ M	2127201001321	/