



**Department of Electrical & Electronics Engineering**

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**Webinar Report**

on

**"Electric Vehicle - Design Overview"**

**Organised by**

**Department of Electrical and Electronics Engineering in Association with IEEE-  
MITS –Student Chapter**

**11 -06-2021, 3.00 to 4.30 PM**

**Submitted by:** Dr M.Vaiundamoorthi, Professor., Dept. of EEE

**Resource Person:** **Dr V.Vasan Prabhu ,Ph.D , Associate Professor , SRM University , Chennai**

**Attended:** II/III/ IV B-Tech students, Faculties of our institution, participants from other institution  
**(Total Number: 96)**

**Mode: Microsoft Team**

The Webinar session was started at 3 PM. The webinar was initiated by Dr. A V Pavan Kumar, HOD-EEE Department. The resource person **Dr V.Vasan Prabhu** , was introduced by Dr A.V.Pavan Kumar , Dept. of EEE. The subject expert addressed the gathering about Electric Vehicle –Design Overview.

1. At the beginning of the presentation, the resource person discussed about the need of Electric Vehicles- , He compared the advantages of EV over fossil fuel power Petrol /Diesel Vehicles
2. The speaker has explained Overview of Electric Vehicles – World scenario and competitors in Electric Vehicles market – Also he discussed about TESLA – Made Electric CAR (Battery operated – with induction Motor and Good Battery management system. The speaker explained the Markets in INDIA for Electric Vehicles and discussed about TATA Motors initiation to develop Electric Motors.
3. The resource person highlighted the types of Electric Vehicles- Design issues for Electric Motor used in EV, Battery arrangements, Battery management system, Roll of Power electronics in EV( Converter /Inverter design specifications). Also he explained the software's that are available in the market to design Hybrid Electric vehicle and Battery operated Electric Vehicles
4. The speaker suggested the research area's such as Control aspects, Non- linear dynamics, Simulation analysis in MAGNET and ANSYS in the field of Switched Reluctance Motor (SRM) which is used in Electric Vehicles in recent days ..
5. The speaker had explained the infrastructure need to establish Electric Vehicles in future and discussed battle between fossil fuel ( Petrol /Diesel) powered vehicles since already all countries established infrastructure for fossil Fuel Vehicles .



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6. **Feedback:** The students were moreover passionate to know about the design issues for EV and software used to design EV and Research area's in EV. The session was concluded followed by a vote of thanks which was given by Dr M .Vaigundamoorthi, Professor –EEE.

### Event Photos:

**A Webinar on “Electric Vehicles – Design Overview”**  
*Organized by*  
Department of Electrical and Electronics Engineering  
In association with IEEE Students Chapter - MITS

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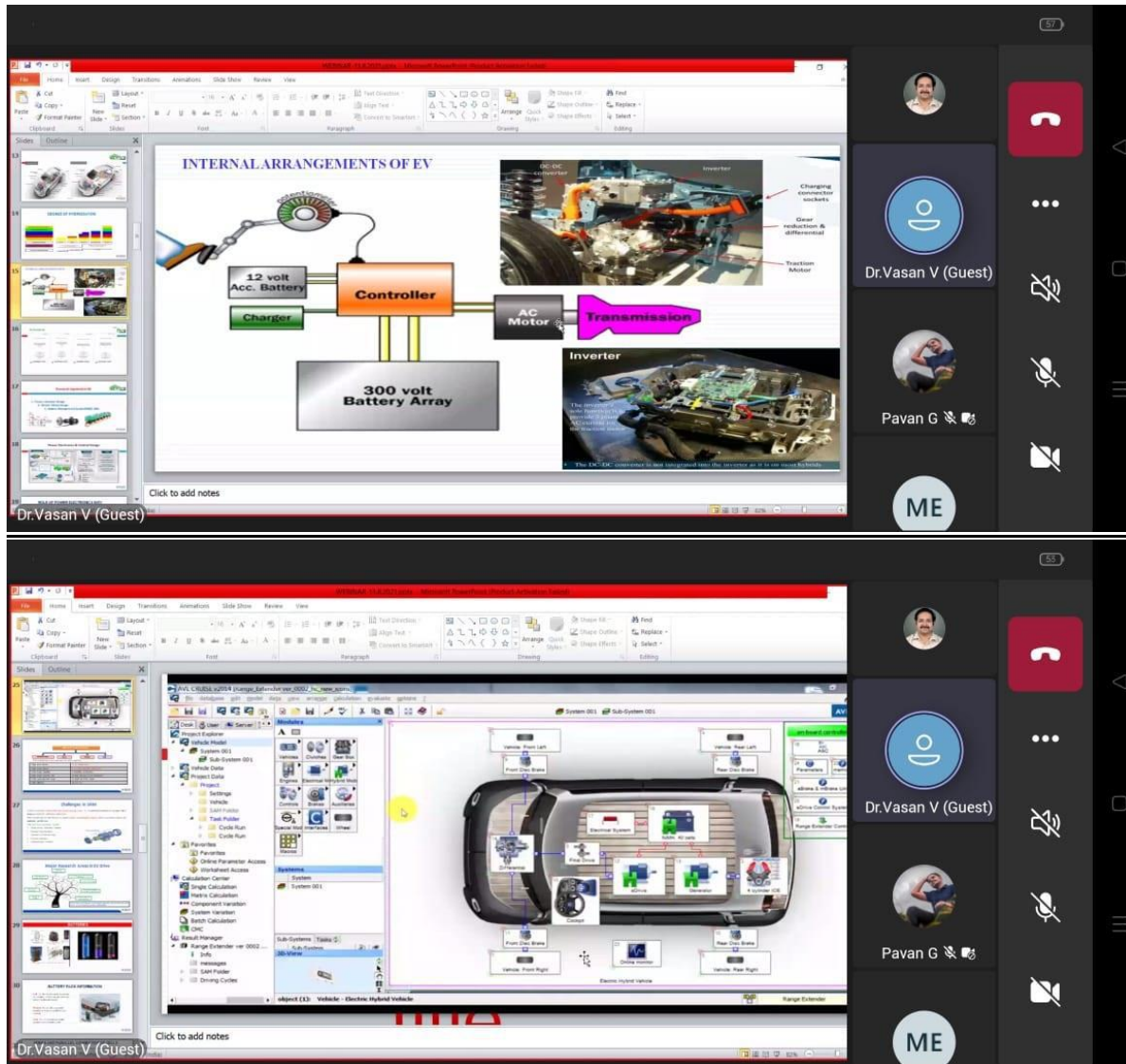
 **IEEE**  
Student Chapter - MITS, Madanapalle

**DATE : 11/6/2021 TIME : 3PM TO 4.30PM**

<p><b>Resource Person</b></p>  <p><b>Dr. V. VASAN PRABHU, Ph.D</b> SRM UNIVERSITY, CHENNAI</p>	<p><b>CHIEF PATRON</b> Dr. N.Vijaya Bhaskar Choudary ,Ph.D Secretary &amp; Correspondent</p> <p><b>PATRON</b> Dr .C. YUVARAJ, Ph.D Principal</p> <p><b>Coordinators</b> Dr A. V. Pavan Kumar ,Ph.D Dr M.Vaigundamoorthi,Ph.D</p>
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FOR REGISTRATION <https://forms.gle/sSFDQnAi16yXLUVA7>  
Phone number: 9100907321/9160020781  
WEBSITE : [www.mits.ac.in](http://www.mits.ac.in)





### FEEDBACK ANALYSIS

#### Feedback on A Webinar on "Electric Vehicle - Design Overview" - 11/6/2021 at 3PM to 4.30pm

Name of the Guest Speaker: Dr V.Vasan Prabhu, Associate Professor, SRM University, Chennai

Organized By Dept. of EEE and IEEE Students chapter MITS, Madanapalle Institute of Technology and Science

Faculty co-ordinators: Dr A.V.Pavan Kumar, HOD/EEE & Dr M Vaigundamoorthi, Professor, Dept. of EEE.

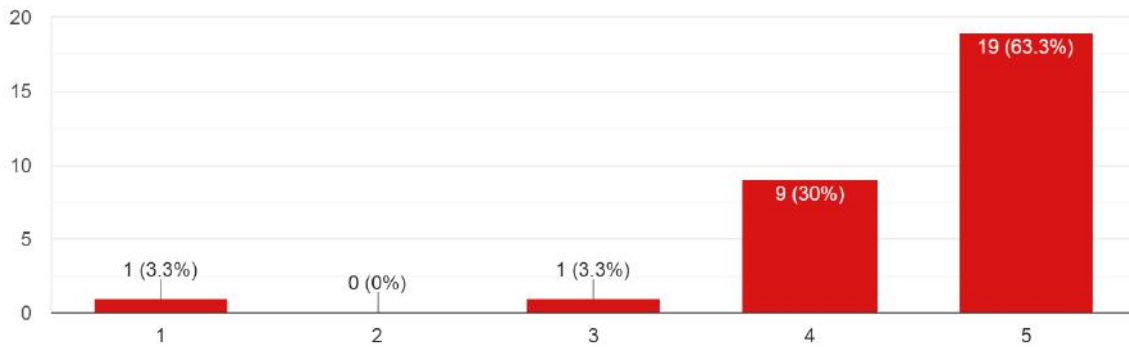
Link: [https://docs.google.com/forms/d/e/1FAIpQLSd6ltPEFplk-afG37sDgTecEVEALcfFlmi2qfmdouB-zqkg/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSd6ltPEFplk-afG37sDgTecEVEALcfFlmi2qfmdouB-zqkg/viewform?usp=pp_url)



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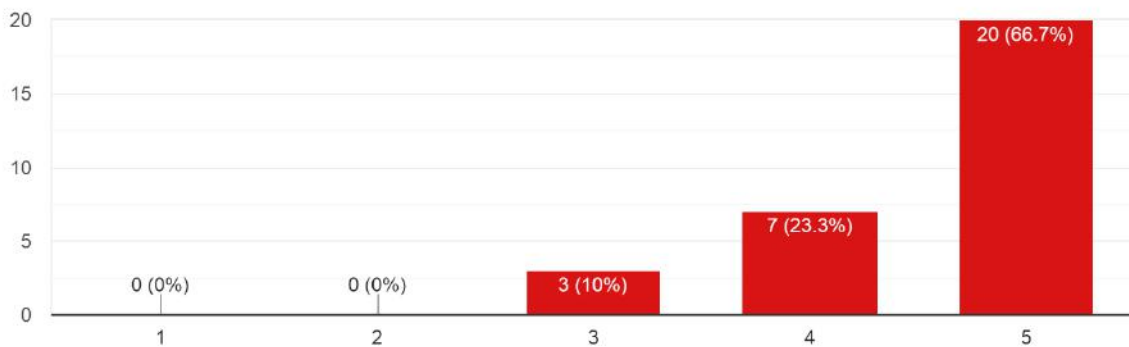
1. The interactive session was scheduled at a suitable time

30 responses



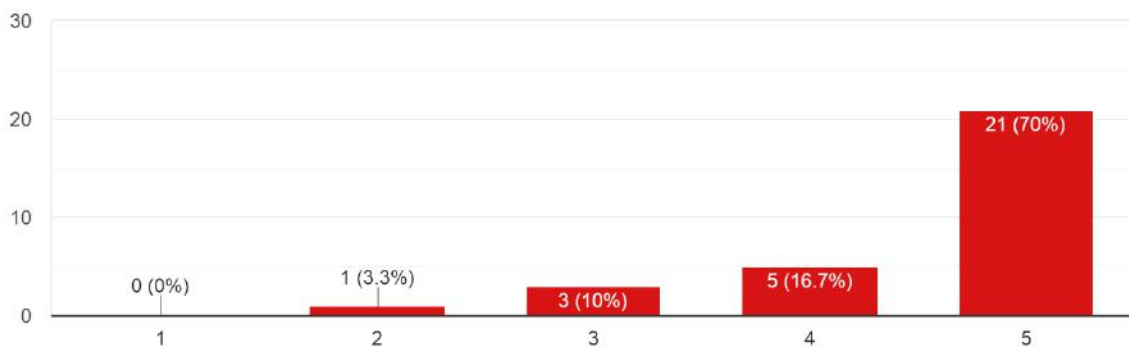
2. The interaction was useful and resource person explanation.

30 responses



3. The information in the interaction was presented in a clear and organized manner.

30 responses



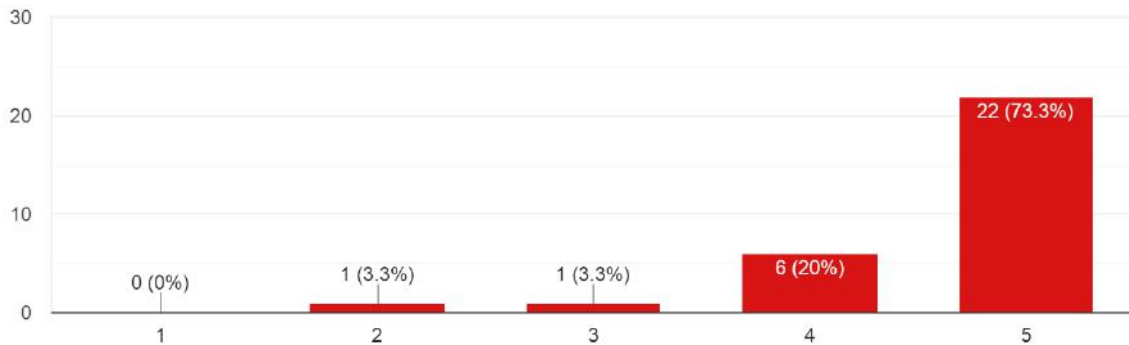




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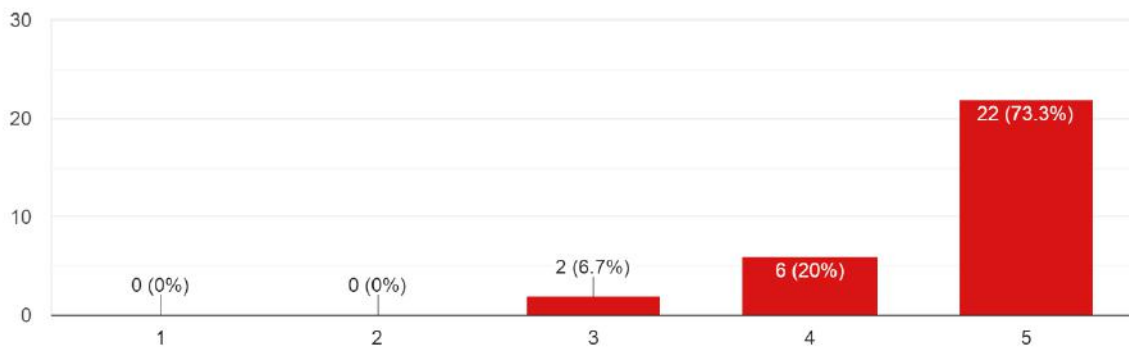
4. The presenter responded to questions an informative, appropriate and satisfactory manner.

30 responses



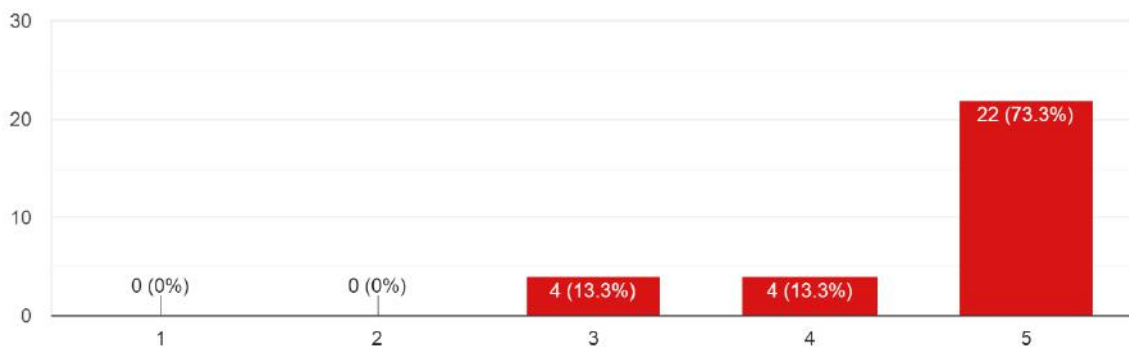
5. your impression of facilities provided by the institute for interaction.

30 responses



6. Overall, the session was informative and valuable.

30 responses



7. In what ways could this interaction have been improved to better suit your needs? 18 responses

Good
Full knowledge of machines



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If
It is useful us my career
About Electrical Vehicles & design.
Over all good
No, it's good sir
We are not very cleared about how electric vehicles designed.since we are not well aware about how to design electrical vehicles because we are students didn't saw any practical electric vehicles and industries.
Nothing
Overall Good
Timing only
NA
Hands on modelling exercise
I got my doubts cleared
We want practical experiance on this
In understanding EV and other rules and regulations on EV
Helpful in future aspects

### 8. Any Other Comments 15 responses

NA
Ntg
Any internships available on E-vehicals
Nice sir.
Why we can't use the graphine battery instead of LI ION battery sir Please share the PPT to my mail sir, 17691a0274@mits.ac.in
Session was very useful.
No comments
Good session.
Nothing
No Comments.....Overall good Sir
No
Could you share #EV PPT sir?
Useful Topic

### List of Participants:

Meeting Summary	
Total Number of Participants	96
Meeting Title	A Webinar on "Electric Vehicles - Design Overview"



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Meeting Start Time	6/11/2021, 2:43:14 PM
Meeting End Time	6/11/2021, 4:44:32 PM

Full Name	Join Time	Leave Time	Duration
HOD- EEE	6/11/2021, 2:43:14 PM	6/11/2021, 4:26:56 PM	1h 43m
HOD- EEE	6/11/2021, 4:44:18 PM	6/11/2021, 4:44:32 PM	14s
Pavan Kumar AV	6/11/2021, 2:47:55 PM	6/11/2021, 2:48:45 PM	49s
Pavan Kumar AV	6/11/2021, 3:09:58 PM	6/11/2021, 3:10:16 PM	17s
Pavan Kumar AV	6/11/2021, 3:23:49 PM	6/11/2021, 3:45:43 PM	21m 53s
Pavan Kumar AV	6/11/2021, 3:55:23 PM	6/11/2021, 4:06:07 PM	10m 43s
Dr Vaigundamoorthi M	6/11/2021, 2:52:56 PM	6/11/2021, 4:26:12 PM	1h 33m
Dr.Vasan Prabhu V (Guest)	6/11/2021, 2:54:51 PM	6/11/2021, 4:26:09 PM	1h 31m
Venkata Chandra Kanth. V	6/11/2021, 2:56:48 PM	6/11/2021, 2:56:58 PM	10s
Venkata Chandra Kanth. V	6/11/2021, 3:01:19 PM	6/11/2021, 4:07:54 PM	1h 6m
Venkata Chandra Kanth. V	6/11/2021, 4:11:13 PM	6/11/2021, 4:26:20 PM	15m 6s
Nanda Kishore. V	6/11/2021, 2:59:01 PM	6/11/2021, 2:59:20 PM	19s
Nanda Kishore. V	6/11/2021, 3:34:57 PM	6/11/2021, 4:26:10 PM	51m 12s
Madhu. G	6/11/2021, 3:00:15 PM	6/11/2021, 3:01:51 PM	1m 36s
Madhu. G	6/11/2021, 3:03:11 PM	6/11/2021, 4:26:17 PM	1h 23m
Harish Vinay. G	6/11/2021, 3:00:33 PM	6/11/2021, 4:22:42 PM	1h 22m
Manideep. K	6/11/2021, 3:00:34 PM	6/11/2021, 3:01:39 PM	1m 5s
Manideep. K	6/11/2021, 3:05:49 PM	6/11/2021, 4:25:48 PM	1h 19m
Divija. K	6/11/2021, 3:00:37 PM	6/11/2021, 3:29:24 PM	28m 46s
Hemalatha. Nossam	6/11/2021, 3:01:01 PM	6/11/2021, 4:26:38 PM	1h 25m
Hari Krishna. K	6/11/2021, 3:01:34 PM	6/11/2021, 4:11:59 PM	1h 10m
Pavan Kalyan Rao. G	6/11/2021, 3:01:37 PM	6/11/2021, 4:26:20 PM	1h 24m
Mohammad Saqib Khan. P	6/11/2021, 3:02:15 PM	6/11/2021, 4:32:20 PM	1h 30m
Srinivasan (Guest)	6/11/2021, 3:02:21 PM	6/11/2021, 4:26:11 PM	1h 23m
Himabindhu.R	6/11/2021, 3:02:41 PM	6/11/2021, 3:45:37 PM	42m 56s
Shyamsundar N	6/11/2021, 3:02:43 PM	6/11/2021, 3:40:43 PM	37m 59s
Shiva Prasad Reddy. M	6/11/2021, 3:02:52 PM	6/11/2021, 3:03:20 PM	28s
Shiva Prasad Reddy. M	6/11/2021, 3:04:51 PM	6/11/2021, 4:26:52 PM	1h 22m
Reddy Praveen. C	6/11/2021, 3:03:00 PM	6/11/2021, 4:19:32 PM	1h 16m
Yegma. G	6/11/2021, 3:03:14 PM	6/11/2021, 3:03:50 PM	35s
Vijay M	6/11/2021, 3:03:23 PM	6/11/2021, 4:14:21 PM	1h 10m
Bramha Chaithanya. T	6/11/2021, 3:03:24 PM	6/11/2021, 4:04:48 PM	1h 1m
Bramha Chaithanya. T	6/11/2021, 4:21:26 PM	6/11/2021, 4:21:31 PM	4s
Mohammed Vaseem. S. D	6/11/2021, 3:03:28 PM	6/11/2021, 3:25:13 PM	21m 45s
Hari Brahmendra. O	6/11/2021, 3:03:36 PM	6/11/2021, 3:18:13 PM	14m 36s
Hari Brahmendra. O	6/11/2021, 3:19:33 PM	6/11/2021, 4:13:51 PM	54m 18s
Dinesh Reddy. D	6/11/2021, 3:03:39 PM	6/11/2021, 3:14:32 PM	10m 53s



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Dinesh Reddy. D	6/11/2021, 3:15:36 PM	6/11/2021, 4:17:12 PM	1h 1m
Mohammad Sajeed. E	6/11/2021, 3:03:55 PM	6/11/2021, 4:14:56 PM	1h 11m
Asma Khanam. G	6/11/2021, 3:03:59 PM	6/11/2021, 3:05:15 PM	1m 15s
Bhavya Sree. P	6/11/2021, 3:04:24 PM	6/11/2021, 4:27:46 PM	1h 23m
Vunnur Basha.D	6/11/2021, 3:04:59 PM	6/11/2021, 4:26:41 PM	1h 21m
M.Saiteja	6/11/2021, 3:05:00 PM	6/11/2021, 3:36:20 PM	31m 19s
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Vamsinath Reddy. Y	6/11/2021, 3:05:21 PM	6/11/2021, 4:26:47 PM	1h 21m
B.Badrinath	6/11/2021, 3:06:01 PM	6/11/2021, 4:07:32 PM	1h 1m
B.Badrinath	6/11/2021, 4:11:34 PM	6/11/2021, 4:26:25 PM	14m 50s
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Ganesh. B	6/11/2021, 3:06:36 PM	6/11/2021, 3:40:19 PM	33m 42s
Madhusudhan.S	6/11/2021, 3:06:51 PM	6/11/2021, 3:07:10 PM	18s
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Vani. B	6/11/2021, 3:06:57 PM	6/11/2021, 3:07:06 PM	9s
Vani. B	6/11/2021, 4:13:31 PM	6/11/2021, 4:17:42 PM	4m 10s
Haritha P	6/11/2021, 3:07:11 PM	6/11/2021, 3:31:42 PM	24m 30s
Geetha. M	6/11/2021, 3:07:32 PM	6/11/2021, 3:21:46 PM	14m 13s
Naveen Kumar. Katrimal	6/11/2021, 3:07:39 PM	6/11/2021, 4:26:33 PM	1h 18m
Naveen Kumar. Kancham	6/11/2021, 3:07:40 PM	6/11/2021, 3:23:45 PM	16m 4s
Devan Dilip. M	6/11/2021, 3:07:57 PM	6/11/2021, 4:23:05 PM	1h 15m
Sridhar N	6/11/2021, 3:08:07 PM	6/11/2021, 4:26:18 PM	1h 18m
Chandana. K	6/11/2021, 3:08:12 PM	6/11/2021, 4:27:52 PM	1h 19m
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Arijit Bardhan Roy	6/11/2021, 3:08:48 PM	6/11/2021, 3:47:34 PM	38m 45s
Rajakumar.B	6/11/2021, 3:09:19 PM	6/11/2021, 3:09:49 PM	29s
Md. Atahar. S	6/11/2021, 3:09:36 PM	6/11/2021, 4:01:05 PM	51m 29s
Hari Kumar Reddy. P	6/11/2021, 3:09:42 PM	6/11/2021, 3:18:12 PM	8m 29s
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Amarnath. K	6/11/2021, 3:13:41 PM	6/11/2021, 3:48:42 PM	35m 1s
Dharani Kumar. P	6/11/2021, 3:10:46 PM	6/11/2021, 3:57:21 PM	46m 34s
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Mahesh Babu. N	6/11/2021, 3:11:32 PM	6/11/2021, 4:03:42 PM	52m 9s
Aravind Kumar. C	6/11/2021, 3:12:18 PM	6/11/2021, 4:23:38 PM	1h 11m
Ganesh. M	6/11/2021, 3:12:18 PM	6/11/2021, 4:25:47 PM	1h 13m
Mohan Prasad. M	6/11/2021, 3:13:16 PM	6/11/2021, 3:16:20 PM	3m 3s
Gangaraju. C	6/11/2021, 3:13:45 PM	6/11/2021, 3:19:27 PM	5m 42s
Gangaraju. C	6/11/2021, 3:21:14 PM	6/11/2021, 3:52:32 PM	31m 18s
Bharath Kumar. U	6/11/2021, 3:13:51 PM	6/11/2021, 4:41:40 PM	1h 27m
Jyothi. M G	6/11/2021, 3:14:11 PM	6/11/2021, 4:44:26 PM	1h 30m





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S.Girivardhan	6/11/2021, 3:17:07 PM	6/11/2021, 4:35:16 PM	1h 18m
Mallikarjuna. Y	6/11/2021, 3:18:01 PM	6/11/2021, 3:31:19 PM	13m 17s
Kiran. N	6/11/2021, 3:18:58 PM	6/11/2021, 3:33:15 PM	14m 17s
Nasar. S	6/11/2021, 3:19:20 PM	6/11/2021, 4:27:28 PM	1h 8m
Manjari. G	6/11/2021, 3:19:53 PM	6/11/2021, 3:20:13 PM	20s
Mounika. P	6/11/2021, 3:20:56 PM	6/11/2021, 3:22:14 PM	1m 18s
Neelakanteswar Rao. K	6/11/2021, 3:21:45 PM	6/11/2021, 3:41:30 PM	19m 44s
A.Yuvi sai	6/11/2021, 3:22:12 PM	6/11/2021, 4:26:09 PM	1h 3m
P.Sathish Kumar	6/11/2021, 3:22:52 PM	6/11/2021, 4:27:31 PM	1h 4m
Sumanth. S	6/11/2021, 3:25:02 PM	6/11/2021, 3:50:59 PM	25m 57s
Murali p	6/11/2021, 3:25:27 PM	6/11/2021, 3:42:59 PM	17m 32s
Sushmitha. Y	6/11/2021, 3:26:25 PM	6/11/2021, 3:26:56 PM	30s
Veera Shekar. G	6/11/2021, 3:26:35 PM	6/11/2021, 3:27:02 PM	26s
Maneesha. S	6/11/2021, 3:27:13 PM	6/11/2021, 4:26:22 PM	59m 9s
Dr Hira Singh Sachdev	6/11/2021, 3:29:15 PM	6/11/2021, 4:44:23 PM	1h 15m
Kiran Kumar.y	6/11/2021, 3:30:20 PM	6/11/2021, 4:09:21 PM	39m
Eswar Reddy. M	6/11/2021, 3:30:59 PM	6/11/2021, 3:31:33 PM	33s
P.Achuth Venkateswara	6/11/2021, 3:35:16 PM	6/11/2021, 3:36:27 PM	1m 11s
18691A0273	6/11/2021, 3:36:52 PM	6/11/2021, 3:39:35 PM	2m 43s
Vinay Kumar.C	6/11/2021, 3:38:46 PM	6/11/2021, 3:39:26 PM	39s
Deepthi. R	6/11/2021, 3:42:32 PM	6/11/2021, 4:05:25 PM	22m 52s
Prashanth Kumar Reddy. D	6/11/2021, 3:44:07 PM	6/11/2021, 4:27:51 PM	43m 43s
Prakash Kumar V	6/11/2021, 3:48:26 PM	6/11/2021, 3:49:24 PM	58s
Asha. K	6/11/2021, 3:51:46 PM	6/11/2021, 4:32:20 PM	40m 34s
Balaji. U	6/11/2021, 3:54:23 PM	6/11/2021, 4:06:40 PM	12m 17s
Praneeth Guptha K	6/11/2021, 4:00:12 PM	6/11/2021, 4:44:29 PM	44m 16s
Koti Kiran. M	6/11/2021, 4:02:40 PM	6/11/2021, 4:04:19 PM	1m 38s
Sai Pradeep. P	6/11/2021, 4:02:46 PM	6/11/2021, 4:03:05 PM	18s
Sai Pradeep. P	6/11/2021, 4:09:59 PM	6/11/2021, 4:26:45 PM	16m 45s
Aurobinda Bag	6/11/2021, 4:05:01 PM	6/11/2021, 4:16:21 PM	11m 19s
Arun Kumar Reddy. D	6/11/2021, 4:15:01 PM	6/11/2021, 4:30:51 PM	15m 49s
ARUN TEJA P	6/11/2021, 4:21:26 PM	6/11/2021, 4:26:52 PM	5m 25s
Rajendra Prasad N	6/11/2021, 4:23:46 PM	6/11/2021, 4:26:28 PM	2m 42s
Ravindra Babu.JM	6/11/2021, 4:24:51 PM	6/11/2021, 4:26:26 PM	1m 34s
Praneeth Kumar. V	6/11/2021, 4:26:24 PM	6/11/2021, 4:26:34 PM	9s
Arul Kumar K	6/11/2021, 4:28:41 PM	6/11/2021, 4:31:04 PM	2m 23s

  
(Dr. A. V. PAVAN KUMAR)

  
( Dr M.VAIGUNDAMOORTHY )