

Name of the programme	Webinar Topic: Role of Mechanical Engineers in ISRO
Date	02.06.2021
No. of Participants	60
Nature of participants	Pre-final and Final Year students from School of Mechanical Sciences.



Report on the Webinar
“Role of Mechanical Engineers in ISRO”

Organized by
Department of Mechanical Engineering.
BSACIST

Presented by,
Mr. P. Aravindram, Scientist/Engineer-SE,
U.R.Rao Satellite Centre, ISRO, Bangalore.

Date & Time: 02.06.2021 Evening 4.10 PM

Coordinators

Dr. M. Thirumurugan, Asso. Prof.
Dr. B. Surya Rajan. Asst. Prof.
Department of Mechanical Engineering
School of Mechanical Sciences,
BSACIST.

Speaker:

Mr. P. Aravindram, Scientist/Engineer-SE,
U.R.Rao Satellite Centre, ISRO, Bangalore.

PREAMBLE

The online webinar on **“Role of Mechanical Engineers in ISRO”** was organized by Department of Mechanical Engineering for the pre-final and final year students. The presentation was aimed to focus the aspects of mechanical engineers in space research institutes. The presentation was delivered by Mr. P. Aravindram, Scientist/Engineer-SE, U.R. Rao Satellite Centre, ISRO, Bangalore. The speaker started with a brief introduction about various centers of Indian space research organization. The presentation also includes the design and material aspects of the various subsystems of the satellites based on the space environment conditions. Finally, the presenter gave a brief view to the students that, how to technically prepare themselves to get into the engineering positions in space research organizations. From this webinar student got a clear understanding about various functions ISRO, satellites and the process of recruiting procedures of scientists in ISRO.

M.Thirumurugan

Attendees

Student Name	RRN	Department	Phone Number	Email Id
Mohamed Shajidh J	180021601046	Mechanical Engineering	9940551138	mdshajidh@gmail.com
Mahesh	180021601035	Mechanical Engineering	8925400924	maheshdilli01@gmail.com
Asrarullah sheriff.u	180021602007	Mechanical Engineering	8939346841	sheriffasrar85@gmail.com
Aswin S	180021601012	Mechanical Engineering	7338927261	aswinbumrah2001@gmail.com
T Deepakkumar	180021601018	Mechanical Engineering	8072282073	deepakkumar2000cs@gmail.com
Salahudeen	190021601051	Mechanical Engineering	7550120974	Shudeen558@gmail.com
Sheik Mohammed Ibrahim	190021601058	Mechanical Engineering	8098056488	mohammedibbu40@gmail.com
Ragul raj r	190021601048	Mechanical Engineering	9597221607	ragulron11n34@gmail.com
Farhan Ahamed Hameed	170021601029	Mechanical Engineering	9944061231	farhanahamed11@gmail.com
Ashfaaq ahamed. H	170021601017	Mechanical Engineering	8682052266	ashfaaqahamed2000@gmail.com
BenMishal	170021601169	Mechanical Engineering	9566563295	Benmishalben@gmail.com
Mohamed Thalib M	170021601078	Mechanical Engineering	8524882635	thalibmm99@gmail.com
SAYYED IMAMBASHA	170021601119	Mechanical Engineering	8555941903	imambasha9866@gmail.com
MohamedFayz	170021601067	Mechanical Engineering	9677043239	fayzmohamed007@gmail.com
Mohammed Zubair Fathai. S	170021601092	Mechanical Engineering	9789876476	mohammedzubair841@gmail.com
VIGNESH.R	170021601155	Mechanical Engineering	7305500459	vickyramasamy46@gmail.com
Mohamed zavid	170021601081	Mechanical Engineering	8248272349	mohamedzavid787@gmail.com
MohammedIbrahim.F	170021601093	Mechanical Engineering	7338942977	Mohammedibrahimfazal@gmail.com
Mohan Raj R	170021601094	Mechanical Engineering	9962768513	mohanraj4735@gmail.com
Moolai Afnan Zaid	170021601095	Mechanical Engineering	9597124851	afnanzaid6@gmail.com
Mohammed SALEEM	170021601089	Mechanical Engineering	9176589954	saleem821437@gmail.com
M.Ragul Eswar	170021601162	Mechanical Engineering	8072624579	ragulstark1814@gmail.com
M.Ragul Eswar	170021601162	Mechanical Engineering	8072624579	ragulstark1814@gmail.com
Mohammed Sahal V	170021601088	Mechanical Engineering	9605012097	sahalv600@gmail.com
SHAIK ABDUL REHMAN	170021601123	Mechanical Engineering	9676863332	shaikabdulrehmanbittu@gmail.com
S.mohammed abubackar	180021601054	Mechanical Engineering	9123555837	abubac163@gmail.com

Mugesh	170021601096	Mechanical Engineering	9790078134	mugeshpraba123@gmail.com
MOHAMMED THOUFEEQ	170021601091	Mechanical Engineering	9791823247	thoufееq098@gmail.com
Mohammed A	180021602011	Mechanical Engineering	8608930935	mohammedasarar.a@gmail.com
Talmiz Ahamed	170021601143	Mechanical Engineering	9047188520	talmizahd02@gmail.com
Mohamed Shameer. M	170021601076	Mechanical Engineering	9123519527	Shameermohame@gmail.com
Mohamed shakeel	180021601049	Mechanical Engineering	9787028489	shakeelmfs2001@gmail.com
SHAIK MOHAMMED KHALEED	180091601029	Aerospace Engineering	9398220670	timefestival001@gmail.com
Seeni Athib	170021601173	Mechanical Engineering	9042491201	seeniathibcrescent@gmail.com
Nalamaru venkata reddy	170021601108	Mechanical Engineering	9704698232	venkatreddynv08@gmail.com
MOHAMMED FAIZUDDIN V A	180021601057	Mechanical Engineering	6383857510	vamdfaizuddin@gmail.com
Shaik Abdul Khayyum	170021601122	Mechanical Engineering	9553744810	abdulkhayyumshaik10@gmail.com
Mohammed shuaib. B	170021601090	Mechanical Engineering	8189975003	mohammedshuaib264@gmail.com
Pradeep Krishna Ranganathan	170021601103	Mechanical Engineering	9445673295	krishnavardarajan@gmail.com
Shuaib Ahamed HR	170021601105	Mechanical Engineering	7358556936	shuaibahamed47@gmail.com
Rajesh Kumar G	170021602008	Mechanical Engineering	9840195507	rajeshkumarg29499@gmail.com
Aakash Srinivasan G	170021601001	Mechanical Engineering	8939453603	aakash6197@gmail.com
Mohammed Sahal V	170021601088	Mechanical Engineering	9605012097	sahalv600@gmail.com
DHANASEKAR A	180021601019	Mechanical Engineering	9884737139	dhanadhanush77@gmail.com
PRADEEP BALA. M	180121601021	Automobile Engineering	9176743328	Pradeepbala0620@gmail.com
Suhail Diauddin Syed	180021601093	Mechanical Engineering	9677114316	suhailsyed2000.26@gmail.com
Ishan S Maraikar	180021601027	Mechanical Engineering	9087040927	ishan7ish@gmail.com
Mahesh	180021601035	Mechanical Engineering	9884564518	maheshdilli01@gmail.com
Rahman	170021601121	Mechanical Engineering	8637683312	mechrahman24@gmail.com
SHAIK JUNAID DOULA	170021601124	Mechanical Engineering	9110734112	sjunaiddoula00@gmail.com
Shaik Moiz Bahamani	1700216021127	Mechanical Engineering	7358583398	moiz.bahamani@gmail.com
SAYYED IMAMBASHA	170021601119	Mechanical Engineering	8555941903	imambasha9866@gmail.com
VIGNESH C	170021601153	Mechanical Engineering	9080473075	vkyc372@gmail.com
Shanmugapriyan	170021601133	Mechanical Engineering	9095989457	shanmugapriyan2121999@gmail.com
Saif Akthar	170021602012	Mechanical Engineering	8056512983	saif22akthar@gmail.com
M S S TARUN SINGH	170021601144	Mechanical Engineering	8985457909	ms.saitarunsingh@gmail.com


Masila Rahul	170021601059	Mechanical Engineering	9866552595	rahulkshatrian1999@gmail.com
Ishaq Khan A	170021601043	Mechanical Engineering	8248435997	ishaq16700@gmail.com
Sheikh Sanad Nazer	170021601134	Mechanical Engineering	8754069546	sanadnazerbarca@gmail.com

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B.S. Abdur Rahman

WEBINAR
on


ROLE OF MECHANICAL ENGINEERS IN ISRO

Organized by
Department of Mechanical Engineering

June 02 2021 

4.10 PM 

P. ARAVINDRAM
Scientist / Engineer-SE
U.R. Rao Satellite Centre, ISRO, Bangalore.



Who can participate?

Pre-final and final year students from School of Mechanical Sciences

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Coordinators

Dr. M. Thirumurugan

Dr. B. Surya Rajan

+91 9994332570

 suryarajan@crescent.education

screen shots during online presentation:

wmn-vpsn-tui (2021-06-02 at 03:41 GMT-7)

Press **Esc** to exit full screen

Role of Mechanical Engineers in Indian Space Research Organization (ISRO)

A
Aravind Ram

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2:25 / 53:49

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CFRP Panels

- In-house manufactured by CSTs
- Automated insert placements

STI Automated Cell Laydown

- Clear efficient automated process
- Variable panel sizes
- Variable string design

STI Solar Array Deployment Mechanisms

- On-going controlled, unsynchronized deployment mechanism
- Low-block CDM-systems
- CFRP stiffening struts
- Ultra light weight CFRP solutions

STI HDBMs

- NLS-based

YOKE

Elements of Mechanism elements

A
Aravind Ram

24:18 / 53:49

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wmn-vpsn-tui (2021-06-02 at 03:41 GMT-7)

The screenshot shows a Google Meet window in a browser. At the top, the title is "wmn-vpsn-tui (2021-06-02 at 03:41 GMT-7)". The browser address bar shows "meet.google.com/wmn-vpsn-tui". The main content area is a presentation slide with a dark background and a grid of icons. A "REC" button is in the top left, and "You're presenting to everyone" is in the top right. A "Stop presenting" button is in the top right. A notification in the bottom left says "MASI UDDIN has left the meeting". A "Stop presenting" button is in the bottom right. The bottom of the window shows a Windows taskbar with various icons and a system tray showing "5:03 PM" and "6/2/2021".

Aravind Ram

The participant profile for Aravind Ram is shown on the right side of the screen. It features a large circular avatar with a white letter 'A' on a dark background. Below the avatar, the name "Aravind Ram" is displayed. The profile is partially obscured by a mouse cursor.

49:19 / 53:49

The video player controls are located at the bottom of the screen. They include a play button, a volume icon, and a progress bar showing the current time as 49:19 out of a total duration of 53:49. To the right of the progress bar are icons for closed captions, settings, a full-screen button, and a refresh button.