

## Celebrating Success at SCIENTIA 2K25!

What an incredible day at SCIENTIA 2K25! Our students showcased brilliance, innovation, and a passion for science that left us all inspired.

### Highlight of the Day:

Our young scientists demonstrated a working model on how sensors identify moisture content in soil—a step toward smart farming and sustainable agriculture! The project highlighted the perfect blend of technology and environmental awareness.

### Special Thanks:

We were honored to have Smt. Roopa M. V., Group Director, Navigation Systems Area, ISRO, as our Chief Guest. Her insights on space technology (focused on functionality of Chandrayaan-2) and encouragement for young minds were truly motivating.

### Relive the Moments:

Check out the glimpses from the event! From thought-provoking exhibits to engaging interactions, it was a day filled with learning and excitement

A big shoutout to all participants, teachers, and attendees for making SCIENTIA 2K25 a grand success! The future of science is in capable hands.  

#SCIENTIA2K25 #ScienceClub #Innovation #ISRO #StudentProjects #SmartFarming #FutureScientists  
#SoundaryaCompositePUCollege #ProudMoment



**SOUNDARYA**  
COMPOSITE PU  
COLLEGE

# SCIENTIA 2K25

Celebrating Success at SCIENTIA 2K25



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**CHANDRAYAAN-3: OVERALL SPECIFICATIONS**

Mission objectives	Two module configuration	Major Specifications
<ul style="list-style-type: none"> <li>Safe and Soft Landing</li> <li>Rover roving on the moon</li> <li>In situ scientific experiments</li> </ul>	Lander Module Propulsion Module (master)	<b>GSLV MK III</b> <ul style="list-style-type: none"> <li>170 x 36400 km (LB)</li> <li>21.4° inclination</li> <li>178° AOP</li> <li>3000 kg LiftOff mass</li> </ul>
<b>Mission Profile</b> 		<b>Lander Module (LM)</b> <ul style="list-style-type: none"> <li>1749 kg (D: 710, P: 1039)</li> <li>Power 678 W</li> <li>Communicates with IDSN/CH 2 Orbiter/Rover</li> </ul>
		<b>Propulsion Module (PM)</b> <ul style="list-style-type: none"> <li>2151 kg (D: 486, P: 1665)</li> <li>Power 754 W</li> <li>Carries Lander from EPO to Lunar Orbit</li> <li>Communicates with IDSN</li> </ul>
		<b>Rover</b> <ul style="list-style-type: none"> <li>26 kg</li> <li>Power 50W</li> <li>Communication to Lander</li> <li>Mobility up to 300 m</li> </ul>

LB: Lower Bound  
 D: Dry Mass in kg  
 P: Propellant Mass in kg

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