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Affiliated to JNTÙA, Ananthapuramu & Approved by AICTE, New Delhi NAAC Accredited with A+ Grade, NIRF India Rankings 2022 - Band: 251-300 (Engg.) NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA



A Report on

ISRO START PROGRAMME

Organized by

Department of ECE and MADANAPALLE INSTITUTE OF TECHNOLOGY

Total No of Registered Participants: 44 (Students)

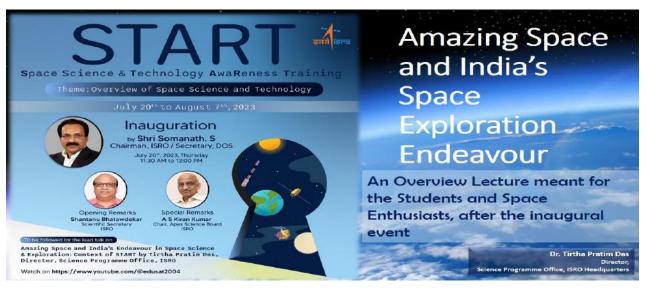
Submitted by: Dr. Nehru Kandasamy, Professor, Dept. of ECE

I am obliged to submit event report of Indian Space Research Organization START program. Madanapalle Institute of Technology and Science is the first private institution to act as nodal Centre for ISRO START program in Andhra Pradesh state.

Dr.Nehru Kandasamy has coordinated the online training course on "**Overview of Space Science and Technology** "under ISRO START programme conducted by Madanapalle Institute of Technology and Science during July 20, 2023 to August 07, 2023.

Madanapalle Institute of Technology and Science has submitted the Expression of Interest for Participating in ISRO START programme on 26.05.2023 with Institute registration number is - START23-1095-717107. The institution got approval for ISRO START program on 26.05.2023 from Indian Space Research Organisation. START co-ordinator's interaction meeting with ISRO organising team is scheduled on 6th June 2023 (Tuesday) at 10:00 am through online mode. The registration for undergraduate and postgraduate students is open on 30.06.2023.

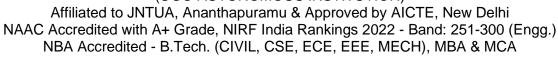
The inauguration session for ISRO START programme is scheduled on 06.06.2023 and it is inaugurated by **Shri Somanath.S**, Chairman, ISRO / Secretary, DOS, **Shantanu Bhatawdekar**, Scientific Secretary – ISRO, **A.S. Kiran Kumar**, Chair, Apex Science Board, ISRO



The Principal, Vice Principals, HOD'S, Dean's and Students from Madanapalle Institute of Technology and Science & Viswam College of Engineering attended inauguration function in seminar HALL A, MITS as well as in online mode.



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The session wise details as follows.

Space Science Technology & Awareness Training (START) Programme - 2023Tentative Schedule

S.NO	Date	Time	Speaker	Topic
1	July 20, 2023, Thursday	11:30-12:30	Dr. Tirtha Pratim Das	"India's Space Exploration Endeavour:Context of ISRO's START programme
2	July 21, 2023, Friday	11:00 to 12:00	Dr. Suresh Babu	Space observations of Geosphere - Biosphere - atmosphere interactions and climate
3		15:00 to 16:00	Dr. P. K. Mohanty	Introduction to CosmicRays
4	July 24, 2023, Monday	11:00 to 13:00	Dr. Tarun KumarPant	Earth's Ionosphere, Magnetosphere, Sun- Earth interaction and Space Weather
5		15:00 to 16:00	Prof Archana Bhattacharrya	Earth's magnetic field &Geospace
6	July 25, 2023, Tuesday	11:00 to 12:00	Dr. R.P. Singh	Introduction to RemoteSensing of Earth and planetary bodies
7		15:00 to 16:00	Mr. Sheeju Chandran	Rockets to access the Near-Earth Space: Sounding Rockets & Launch Vehicles



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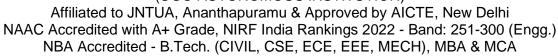




S.No.	Date	Time	Speaker	Topic
8	July 26, 2023,	11:00 to 12:00	Dr. S. A. Ilangovan	Chemistry in Space Technology
9		15:00 to 16:00	Prof.BhalaSivaraman	Chemistry in Space Science
10	July 27, 2023	11:00 to 12:00	Dr. K. Sankarasubramanian	The Sun
11		15:00 to 16:00	Prof. DebabrataBanerjee	The Solar System: Formation, evolution andthe present state
12	July 28, 2023	11:00 to 12:00	Dr. Tirtha Pratim Das	Scientific Payload development for Solar System Exploration
13		15:00 to 16:00	Prof. Varun Sheel	Planets in the Solar System
14	- July 31, 2023, Monday	11:00 to 12:00	Prof. RamanandaChakrabarti	Origin and Evolution of the Moon
15		15:00 to 16:00	Dr. Kinsuk Acharya	Minor Bodies in the Solar System – Asteroids, Comets and Meteors
16	August 01, 2023, Tuesday	11:00 to 12:00	Dr. Ritu Karidhal	Mission Design for Space Exploration



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S.NO	Date	Time	Speaker	Topic
17	August 01, 2023, Tuesday	15:00 to 16:00	Dr. V. Girish	Observational Techniques for Space Science
18	August 02, 2023,	11:00 to 13:00	Dr. R. Niruj Mohan	Basics of Astronomy &Astrophysics
19	August 03, 2023,	11:00 to 12:00	Dr. Aravind Singh Rajpurohit,	Exoplanets and Earth-like Exoplanets
20		15:00 to 16:00	Prof. Sudha Rajamani	Introduction to Astrobiology and Search of Life Beyond Earth
21	August 04, 2023,	11:00 to 12:00	Dr. K. PraveenKumar	Research Opportunities in Space Science and Technologies
22		15:00 to 16:00	Prof. Tarun Sauradeep	Introductio n to Cosmology
23	August 07,2023	14:00 to 15:00 hours;	Concluding Session	

Student Registration and Certificate Details

The number of students registered for START program is 44. The number of students eligible to appear online test after online 23 session class is 43.

The number of students is registered for ISRO start	44
The number of students is eligible for participation certificate	43
The number of students got certificate after exam	22
The number of students scored A+ Grade	1
The number of students scored A Grade	11
The number of students scored B+ Grade	3
The number of students scored B Grade	7



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Photos of Inauguration and Training Sessions

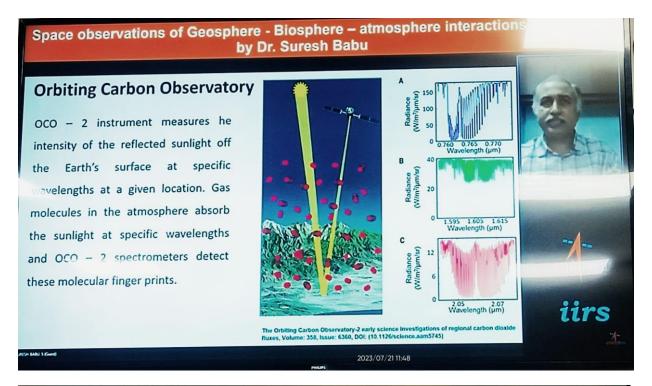


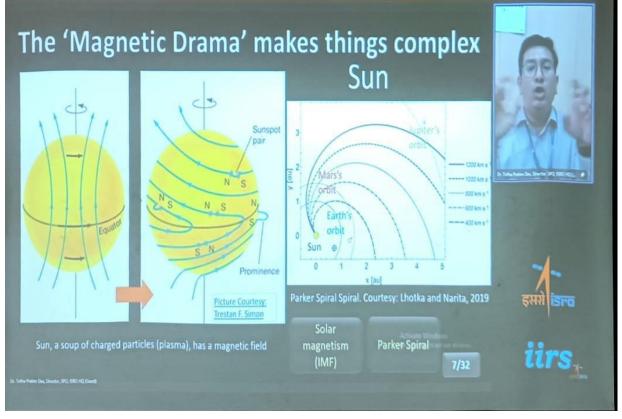


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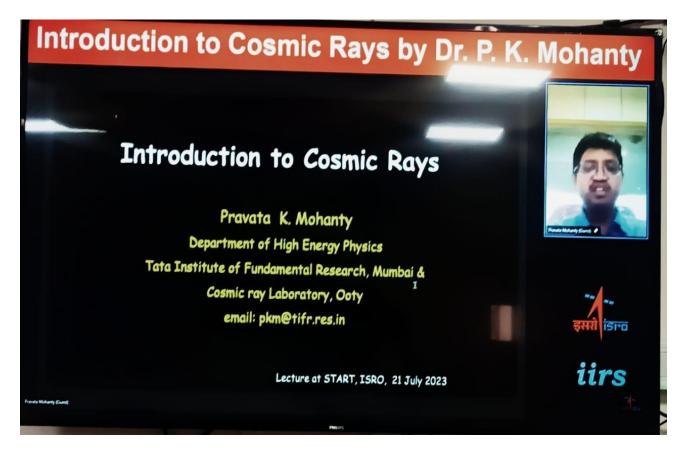




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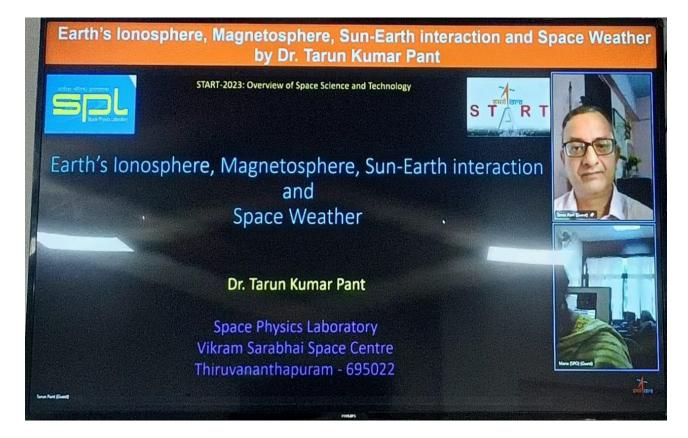




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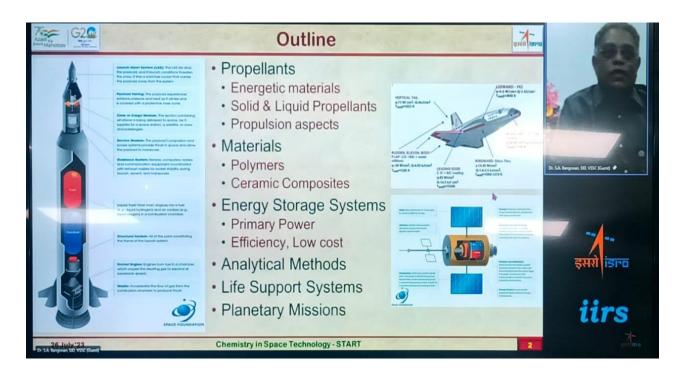


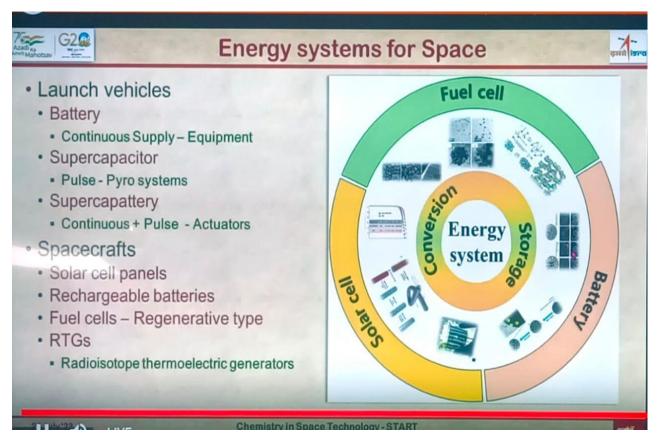


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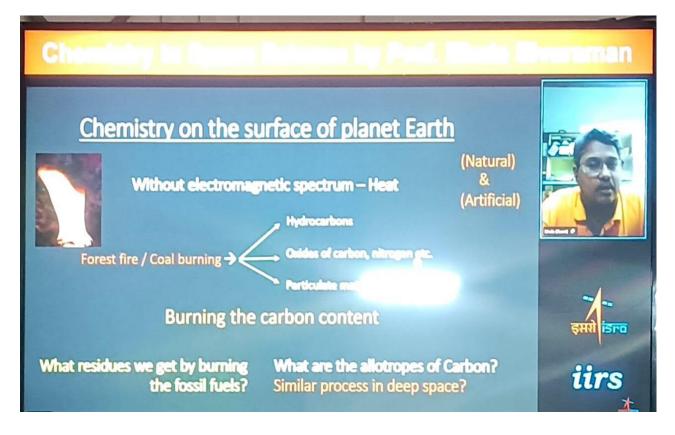




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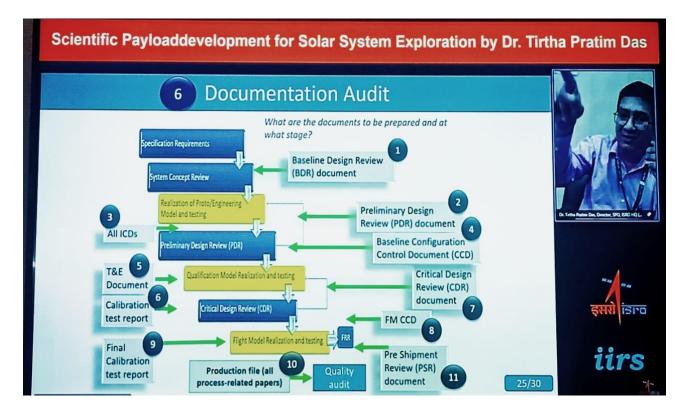




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Student Merit Certificate, Coordinator Certificate and **Institution Certificate**





भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING

मारतीय अंतरिक्ष अनुसंघान संगठन/ INDIAN SPACE RESEARCH ORGANISATION अंतरिक्ष विभाग. मारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम ONLINE DISTANCE LEARNING PROGRAMME COR2023300119038

समन्वयं की प्रमाणपत्र CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि मदनपल्ले इंस्टीटबूट ऑफ टेक्नोलॉजी एंड साइंस कार्यरत नेहरू कंडासामी, ने इसरी स्टार्ट कार्यक्रम के अंतर्गत अंतरिक्ष विज्ञान और प्रौद्योगिकी का अवलोकन विषय पर इस संस्थान द्वारा दिनांक 20-07-2023 से 07-08-2023 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that DR. NEHRU KANDASAMY, working with Madanapalle Institute of Technology and Science, has coordinated the online training course on Overview of Space Science and Technology under ISRO START Programme conducted by this institute during July 20, 2023 to August 07, 2023

दिनाँकः Date: 19-09-2023 de ag-er Debradun

। सर्विशेस, सूतन प्रौद्योगिकी इवं दूरस्य अधिगम विधार Geomeb Services, IT & Distance Learning Dep



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भारतीय अंतरिक्ष अनुसंघान संगठन/ INDIAN SPACE RESEARCH ORGANISATION अंतरिक्ष विमाग, मारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



वहि: परिवर सपर्के/ विस्तार कार्यक्रन प्रमाण पत्र OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME COR2023300119038

संस्थान की सहभागिता का प्रमाण पत्र CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि मदनपल्ले इंस्टीटचूट ऑफ टेक्नोलॉजी एंड साइंस ने भारतीय सुदूर संवेदन संस्थान, इसरो देहारादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठचक्रम इसरो स्टार्ट कार्यक्रम के अंतर्गत <mark>अंतरिक्ष विद्वान और प्रौद्योगिकी का अवलोकन</mark> मे भाग लिया। इस ऑनलाइन पाठचक्रम का संचालन दिनांक 20-07-2023 से 07-08-2023 तक किया गया।

This is to certify that Madanapalle Institute of Technology and Science, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on Overview of Space Science and Technology under ISRO START Programme. This online programme was conducted during July 20, 2023 to August 07, 2023

दिनाँबा/ Date: 19-09-2023 देहरादून/ Dehradun

प्रमुख, जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दुस्ख अधिगम विभाग Head, Geoweb Services, IT & Distance Learning Department, IRS Agramat

समृह प्रमृत, धू-स्थानिक प्रौदोगिकी एवं आउटरीय कार्यक्रम समृह Group Head. Geospatial Technologies & Outreach Programme Group. IIRS

Finally I express my gratitude to Dr.C.Yuvaraj, Principal, Madanapalle Institute of Technology and Science & Dr.S. Rajasekaran, Head of the Electronics and Communication Engineering department.