



TTWRDC (M) DEGREE AND PG COLLEGE NAGARKURNOOL

Department Activity for the academic year 2022-23

On the eve of National Science Day 2023, that is on February 28th to commemorate the discovery of Raman Effect by renowned Indian Physicist and Nobel laureate “Sir C.V Raman”. The Department of Physics has organised the following activities:



Quiz competition:

Four groups each consisting 6 members were participated and the winners are :

- Ch. Sanjay (MPCs)
- V Vishnu(IMSc)
- B Vijaykanth (MZC III)
- K Suresh (MPC III)
- A Shankar (MPCs III)
- H Arvind (BZC III)



Quiz questions:

1. The theory of relativity is presented by which scientist? Albert Einstein
2. What type of lens is used in a magnifying glass? Convex
3. Total number of colors exists in sunlight? 7
4. Who is the first person to define speed? Galileo
5. Which color deviates least when passing through a Prism? Red
6. What is the size of Electron as compared to Proton and Neutron? $1/1836$
7. Light year is the unit of? Length
8. Hertz is the SI unit of? Frequency
9. The velocity of the sound is highest in? Metal
10. SI unit for measuring work and energy is ? Joule
11. Charles is based on ? Gas
12. When all the forces and torques are balanced in a mechanical body it is said to be in?
Equilibrium
13. An atom with more neutrons than protons is called? Isotope
14. The tidal waves on sea is mainly due to? Gravitational Effect of Moon on Earth
15. The three famous law of Kepler is related to? Planetary motion
16. Flemings "Left hand Rule" is associated with the effect of? Magnetic field on current
17. The wave theory of light is based on? Huygens principle
18. Impulse is the product of _____ and _____ ? Force and time
19. Ozone layer restricts with light radiation? UV
20. Pencil lead is made up of? Graphite
21. Red light is used in traffic signals because? It has longest wavelength
22. Summer solstice occurs in the Northern hemisphere? June 21
23. The filament of an electric bulb is made of? Tungsten
24. The rainbow is formed by? Dispersion of light
25. Which is used to measure strength of electric current ? Ammeter
26. Atomic bomb is based on the principle of? Nuclear fission

27. What is a device that allows electric current to pass through it in one direction only, used for converting AC to DC? Rectifier
28. X rays are discovered by ? Rontgen
29. Cryogenic engine find application in? Rocket technology
30. The electromagnetic waves used in the telecommunication are? Microwave

Poster presentation :

Poster presentation competition was conducted, with depicting the theme of Science Day 2023 i.e., **Global Science for Global well-being**. The students have wonderfully showcased their posters depicting how the nations came together and contributed towards science and technology especially during the pandemic.



Seminar:

A seminar was given by Head of the department **P Rani** elaborating **Raman Effect** and the significance of Science Day on 28/2/202, guided and motivated towards science and how it will impact human life.



Department signed up for Space Science program by ISRO in association with IIRS:

The department of Physics participated in START (Space Science & Technology Awareness Training) programme that is organised by ISRO in association with IIRS after being approved as nodal centre for conducting the program by submitting the the expression of interest. Head department of Physics has been nominated as Coordinator.

Annexure-I

SOLICITING EXPRESSION OF INTEREST TO HOST SPACE SCIENCE AND TECHNOLOGY AWARENESS TRAINING (START)

NOMINATION OF COORDINATOR

We, **T. THE DEGREE COLLEGE, JADCHERLA** (Name of the authorized person) Designation: **PRINCIPAL** Institute/University/Organization: **T. THE DEGREE COLLEGE** hereby submit our expression of interest (EOI) to join ISRO/IIRS Soliciting Expression of Interest to Host Space Science and Technology Awareness Training (START) programme. We nominate following person as the Coordinator of ISRO START programme from our Institute/University/Organization:

Name	J. RAO
Designation	Asst. PHYSICIAN
Staff Code	612506
Email	YADUJAN@AFC@MAIL-INDIA
Mobile No.	984937820
Full address	YADUJAN (M) JADCHERLA (M), MEER, SURUT

DECLARATION

T. THE DEGREE COLLEGE, JADCHERLA (Name of the Institute) hereby declare that we are willing to host as one of the nodes of the online introductory level training programme in space science and technology conducted by ISRO/IIRS. We will extend all the support and provide necessary arrangements for the smooth conduct of the training programme as stated in the procurement of training programme. We also understand that this training programme is solely meant for generating human resources in the country in the fields of space science and technology, and has no connection with the recruitment policy of ISRO/IIRS.

Place: **JADCHERLA, MEER**
 Date: **02-02-2023** (Principal / Head of the Institute)

To,
 Director
 ISRO, ISRO HQ, Bengaluru


PRINCIPAL
T. THE DEGREE & PG COLLEGE (M)
College Code: 333 (P/G)
Regarh unroad-509 302


(Please register Institute at www.isro.gov.in and upload this nomination letter)


The program consists of 25 sessions starting from 20th July 2023 to 7th August 2023 giving an idea of different concepts related to space science and astronomy by eminent speakers of

reputed institutions. One student named Eslavath Anjaneyulu of MPCs III, has been selected for the program and attended the online sessions in e class monitoring system and his attendance has been updated by the coordinator.



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Attendance Record For Course On Overview Of Space Science And Technology

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Registration Number	Name	Total Sessions	No. of sessions attended	% of Attendance	Eligibility for Examination/Certificate
202338012810190	MS. ESLAVATH ANJANEYULU	25	23	92.00	Yes

Ms. P RANI

- Ongoing Courses
- Guidelines
- Live Lectures
- Offline Session
- Past Courses
- Future Courses

The student has attended most of sessions and was eligible for examination and Certificate. IIRS Dehradun which is the organising body of programme, has given us the examination slot on 17/8/2023 and the student has successfully attended the online exam and the study material which was provided in the e class monitoring system was helpful in his preparation.

Learning Outcomes of the Course:

- The major outcome of the course is it has ignited the scientific spirit and knowledge with regard to space science and astronomy.
- The student has become enthusiastic in pursuing Masters in Space Science or to join in any further courses or projects by ISRO.