

## “Physics Association : Coherence”

**COHERENCE** is the official student union of the Physics Department at Daulat Ram College. The union is dedicated to addressing student concerns, assisting with academic matters and ensuring smooth interactions between students and faculties.

COHERENCE is committed to fostering an environment that promotes both academic and personal growth. The union works to enhance the students experience by organizing a wide range of events, including academic seminars, workshops, guest lectures and interactive recreational activities. These initiatives are designed to promote intellectual development, encourage professional networking and offer students a well-rounded college experience.

### Association Incharge: Dr. Manoj Giri

Coherence Union Members (2024-25):

President: Anjali Yadav

Vice President: Samarpita Manhas

General Secretary: Shreya

Joint Secretary: Aliya Siddiqua

Co-Joint Secretary: Anushka

Treasurer: Pranjali Mishra



| Session | Name Of Event  | Event Coordinators                 | Date   | Event Details   | Overall participant            |
|---------|--|------------------------------------|--|---|--------------------------------|
| 2024-25 | Teachers' Day Celebration  | Dr. Manoj Giri                     | 5 <sup>th</sup> Sept 2024                    | The teachers and students interacted meaningfully, with students presenting their gratitude to teachers for their dedication and guidance.  | 95 students and 7 Faculty      |
|         | 2-Days SDP on 'Enhancing Learning Through Information and Communication Technology (ICT) Tools | Dr. Renu And Ms. Manisha Meena     | 13 <sup>th</sup> -14 <sup>th</sup> Sept 2024 | 2- Days SDP aimed to help students develop necessary ICT skills focusing on digital platforms, like google classroom, Zoom, MS Office, and other discipline-specific resources.   | 35 Students + 5 Faculty        |
|         | Inaugural Lecture  | Dr. Omwati Rana And Dr. Manoj Giri | 10 <sup>th</sup> Oct 2024                    | The inaugural lecture featured Dr. Pradeep Goswami, E-Scientist from INMAS-DRDO, as the chief guest. He delivered the talk on "Radiological and Nuclear Warfare Agents", discussing radiation in warfare, DRDO innovations and career opportunities | 83 students +7 Faculty Members |
|         | Sardar Patel Memorial Lecture  | Dr. Omwati Rana                    | 20 <sup>th</sup> Oct 2024                    | The students and faculty of Daulat Ram College attended a session by Dr. S.Somnath, Chairmn ISRO at Akashvani   | 23 Students + 2 faculty        |

|   |   |                          |   |   |  |
|---|---|--------------------------|---|---|--|
|   |   | and<br>Dr. Manoj<br>Giri |   | Bhawan, Delhi. Organized by Akashvani to mark Sardar Vallabhbhai Patel's Birthday, the event focussed on ISRO's advancements and India's future in space research.  |  |
| Visit to Department of Physics and Astrophysics, University of Delhi                  | Dr. Nisha Bala                                    |                          | 13 <sup>th</sup><br>Nov<br>2024                       | A visit to Department of Physics and Astrophysics, University of Delhi was organised. The visit aimed to provide exposure to the students where they explored laboratories, interacted with professors and gained valuable insights into the field.   | 50<br>Students<br>+ 1 faculty              |
| Workshop on "Learning Physics and Electronics Through Simulations and Demonstrations" | Dr. Nisha Bala and<br>Dr. Renu                    |                          | 16 <sup>th</sup> -<br>17 <sup>th</sup><br>Nov<br>2024 | A two-day workshop was organised which featured engaging hands-on sessions using tools like CircuitLab, TinkerCAD, Scilab to enhance participant's understanding of electronic circuits and physics experiment.   | 120 students<br>and 6<br>faculty           |
| Startup Master Class  | Dr. Neeru<br>Sehdev                               |                          | 23 <sup>rd</sup><br>Nov<br>2024                       | The event was organized by IIT Kanpur, which involved the participation of investors and businessmen. The event featured workshops, panel discussions, and conferences, and the students were tasked with managing all aspects as volunteers.   | 13 students<br>1 faculty                   |
| Skill Development Programme on "Designing an Arduino-Powered Motion Detection system" | Dr. Onkar<br>Mangla<br>and<br>Dr. Neeru<br>Sehdev |                          | 15 <sup>th</sup><br>-23 <sup>rd</sup><br>Jan<br>2025  | A one-week In-House skill development programme was conducted focusing on hands-on learning and practical implementation of motion detection technology. Participants gained expertise in Arduino programming, soldering and real time motion detection system development, enhancing their skills. | 26 students<br>and 5<br>Faculty<br>Members |
| Navigating The World – Physics Behind Satellite Navigation                            | Ms.<br>Manisha<br>Meena and<br>Dr omwati<br>Rana  |                          | 13 <sup>th</sup><br>Feb<br>2025                       | The event was meant to introduce the students to the basic idea to promote awareness about "Navigation all around the World" among students.  | 100 students<br>and 12<br>Faculty          |

## Glimpses of Various Events Organized in Academic Session 2024-2025

### Teachers' Day'24



### Inaugural Lecture'24



### Sardar Patel Memorial Lecture'24



### Visit to Department of Physics and Astrophysics



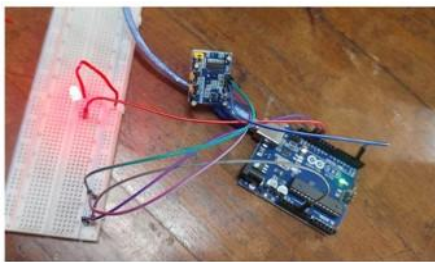
### Startup Master Class'24



## ICT Tools SDP



## Arduino Based SDP



## Lecture on “Navigating The World”



# PHYSICS DEPARTMENT ACTIVITIES

(2024-2025)



Delhi, India  
604-358, Sant Kirpal Singh Marg, Daulat Ram College, Block C, Maurice Nagar, Ro  
110007, India  
Lat 28.68786° Long 77.20526°  
18/11/24 09:53 AM GMT +05:30



Delhi, Delhi, India  
Multi Storey Building, Department Of Physics And  
Astrophysics, University Of Delhi, University Enclave, Delhi,  
110007, India  
Lat 28.687439° Long 77.21286°  
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Multi Storey Building, Department Of Physics And  
Astrophysics, University Of Delhi, University Enclave, Delhi,  
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