

Little Flower Degree College

(Affiliated to Osmania University)

Uppal, Hyderabad

Managed by Brothers of St Gabriel Educational Society



LEAD TO ILLUMINATE

Faculty of Physics

Department of Physical Science



Little Flower Degree College

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Members 2023-24

Faculty Name	Designation	Email-id
Ms.Shahjahan begum	HOD	sajahan@lfdc.edu.in

List of Activities Done by Physics



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2023-2024

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FIELD TRIP TO PHYSITECH ELECTRONICS PVT LTD

Event: Field trip

Date: 5/8/2023

Venue: Physitech electronics pvt ltd

Participants: Students(42)

The Faculty of Electronics & Physics organised a field trip to Physitech Electronics, Secunderabad, on 5 August, 2023, for III B.SC (MECS) & B.SC (MPCS, MPC) students. Ms.Naga Lakshmi, Head, Dept. of Electronics & Ms.Shahjahan Begum, Head, Department of Physics accompanied the students. The trip started at 10 AM with 42 students in total. The main objective of this field trip is to understand the theoretical concepts by observing them practically. Students understood the manufacturing process of wide range of electronic equipment .



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Explanation of Printed circuit Boards



Students Assembling The Components on PCB



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MOU-NATIONAL WEBINAR ON PHYSICS IN MEDICINE

Event: National Webinar

Date: 22/8/2023

Venue: Online Gmeet

Participants: Students (15)

A National Webinar was organised by the Faculty of Physics, Little Flower Degree College and Auxilium College, Vellore on “Applications Of Physics In Medicine”. Webinar was organised on 22nd August, 2023 on Google Meet platform.

The guest speaker of the webinar was Dr. N Arunai Nambi Raj, Professor & Dean, School Of Advanced Sciences, Vellore Institute Of Technology, Vellore.

Professor Arunai Nambi Raj Spoke about Nanotechnology, hyperthermia, Piezoelectricity, In Vitro Laser Lithotripsy, Fiber Optics, RT Technology etc and how these concepts are used in medicine Like Radiation Therapy Treatment, PET Scan, Whole Body Scan, 3D BioPrinting in Urology, Biomechanical testing of spinal instrumentation in calf spine model etc.

By the end of the session the Professor also discussed various programs for students and opportunities for research scholars available in the University. All the participants actively participated and gained knowledge on various applications of physics in medicine.



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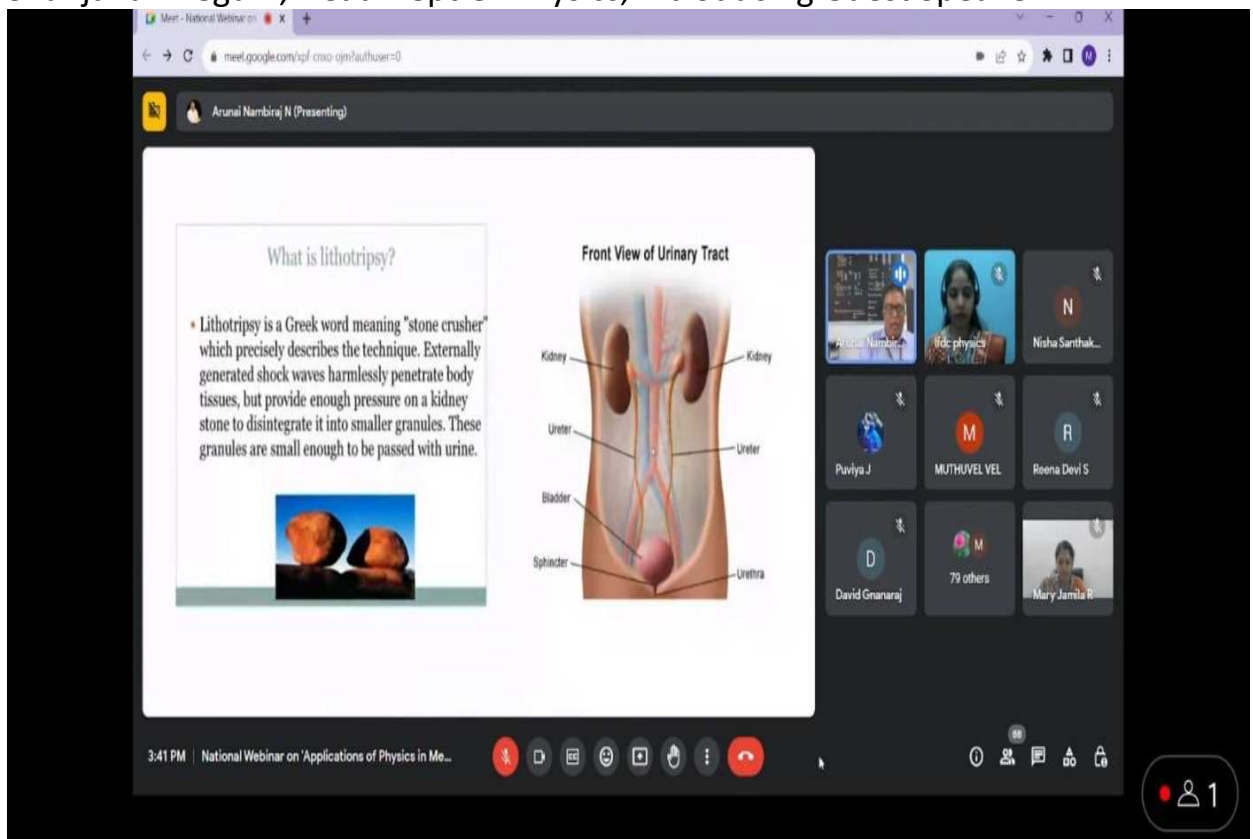
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Shahjahan Begum, Head Dept Of Physics, Introducing Guest Speaker



Sir Explaining Students About Lithotripsy (Kidney stone Removal)



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GROUP DISCUSSION ON SPACE TECHNOLOGY

Event: Group discussion

Date: 9/10/2023

Venue: D23 classroom

Participants: Students (34)

The Faculty of Physics has organised an intra collegiate competition Group discussion on space technology on 9-10-2023, which helps students to talk about recent advancements in space technology and how our country has stronger diplomatic ties with other countries and improves its international standing. 34 students from various groups have registered and they spoke about how space missions (satellites) are helping us in our day-to-day lives in the form of google maps, GPS tracker, satellite Communication etc.



Group discussion on Space technology



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Students discussing about Space Missions



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GUEST LECTURE ON CAREER OPPORTUNITIES IN PHYSICS AND ELECTRONICS

Event: Guest Lecture

Date: 10/11/2023

Venue: Montfort Hall

Participants: Students (23)

On November 10, 2023, the faculty of Physics and Electronics observed World Science Day. In collaboration with St. Joseph's College for Women in Alappuzha, Kerala, this event was planned. This programme was organised with the intention of making students more aware of the significance of the day. WSD-2023's topic is "Building Trust in Science." MS Naga Lakshmi, Head of the Department of Electronics, presented as part of this event, discussing the significance of today's history as well as a few elements that go into "Building Trust in Science." Dr. Morris Marieli was the day's guest speaker. She spoke to the students about career options following P.G, national level entrance tests for MSC programs, and the several P.G courses offered in Physics and Electronics. Pupils learned about the significance of World Science Day and what comes next for them after UG.



MS Nagalakshmi head department of electronics speaking on the importance of world science day



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Participants of the event



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MOU-GUEST LECTURE ON EMBRACING COMPUTATIONAL THINKING

Event: Guest Lecture

Date: 10/11/2023

Venue: Montfort Hall

Participants: Students (40)

A guest lecture was organised by the Faculty of physics, Little Flower Degree College in collaboration with St Xavier's College, Aluva, Kerala on “Embracing computational thinking: a Beginners guide to understanding and visualising simple plots”.

The guest speaker for the webinar was Dr. Roby Cherian, Head department of physics, Sacred Heart college, Thevara. The webinar was organised on 28/2/2024 on National science day, as a part of it powerpoint presentation competition was conducted, six teams from little flower degree college and three teams from st xavier's college presented ppts, II Bsc Mpcs and III Bsc Mpcs students from Little flower degree college secured second and third positions.



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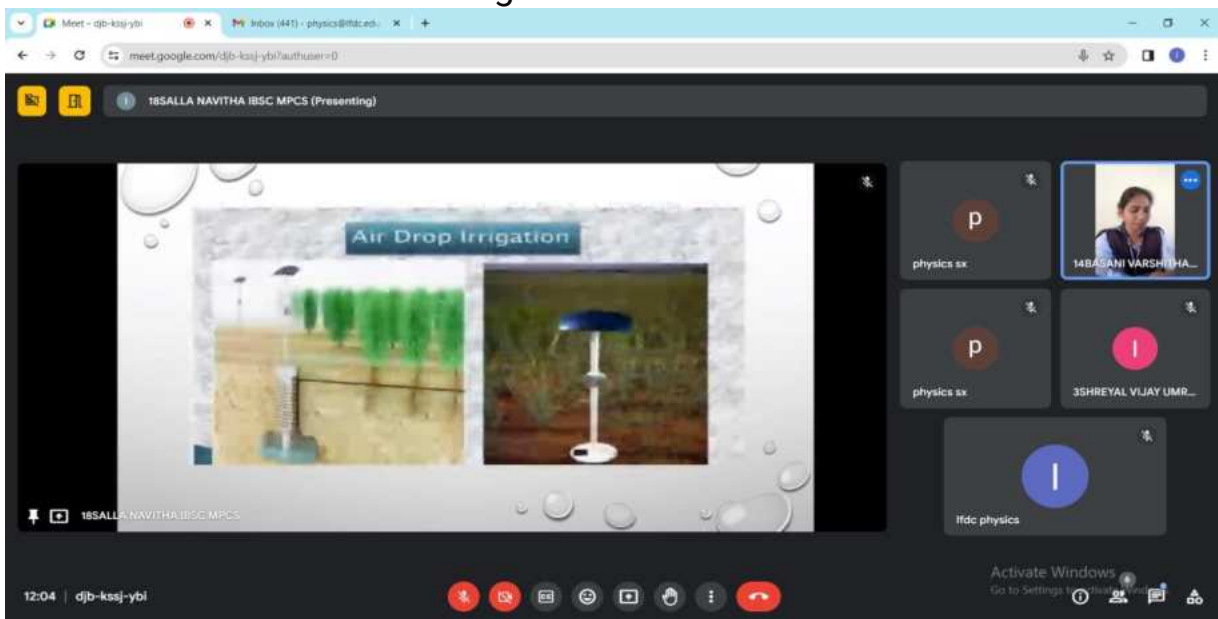
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II and III Bsc Students listening to the webinar



Tejasvi from III Bsc Mpcs Presenting on Airdrop irrigation



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NEP ORIENTATION PROGRAM

Event: Orientation program

Date: 22/1/2024 to 31/1/2024

Venue: Online

Participants: Faculty(1)

Osmania University, Hyderabad has organised an online NEP orientation programme for the faculty. Ms. Shahjahan begum Faculty Of Physics, LFDC has attended this program from 22nd January 2024 to 31st January 2024 for 10 days with a duration of 3 hours everyday from 2 PM to 5 PM. The program was to throw light on the topics like student diversity and inclusive education, Academic leadership governance and management, practical skills for use of ICT in teaching and research, skill development, research development, Indian knowledge System, holistic and multidisciplinary education, higher education and society. On the last day of this one week program, a test was conducted with 30 MCQs to be completed within a stipulated time for the E-certificates to be generated. The faculty members answered the MCQs successfully and qualified for the certificate. The outcome of this 8-day program was that the faculty understood that every student must have equitable access to quality education, with the main focus on learning our ancient scriptures and texts to inculcate pride in our ancient form of education among teachers and students.

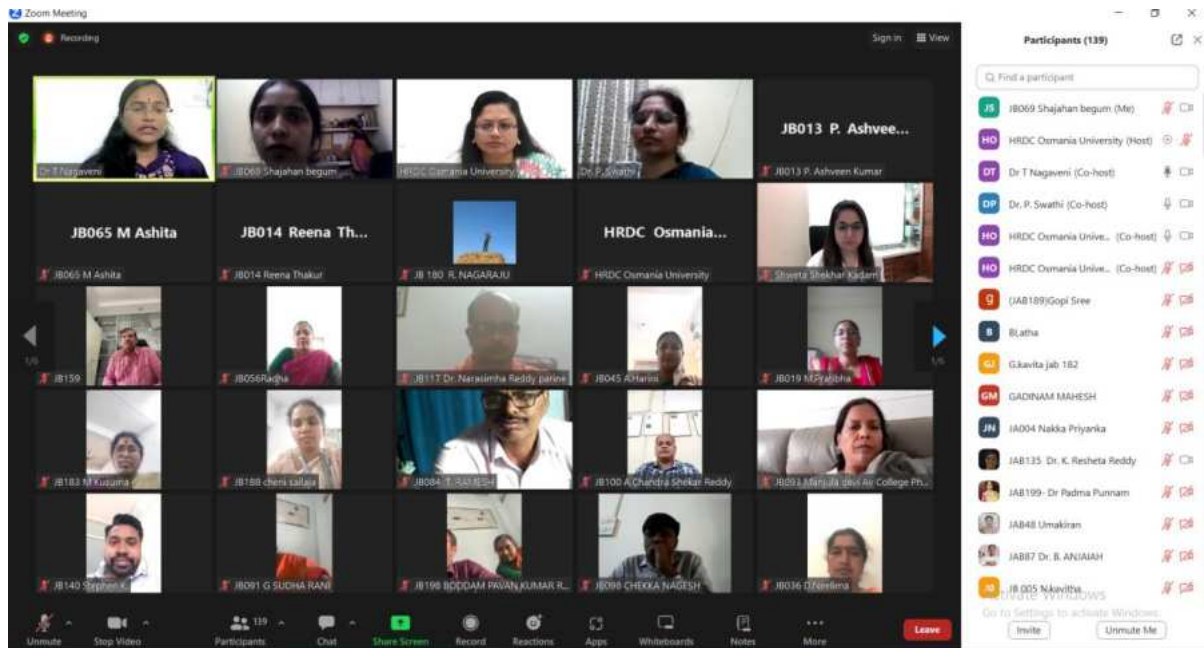


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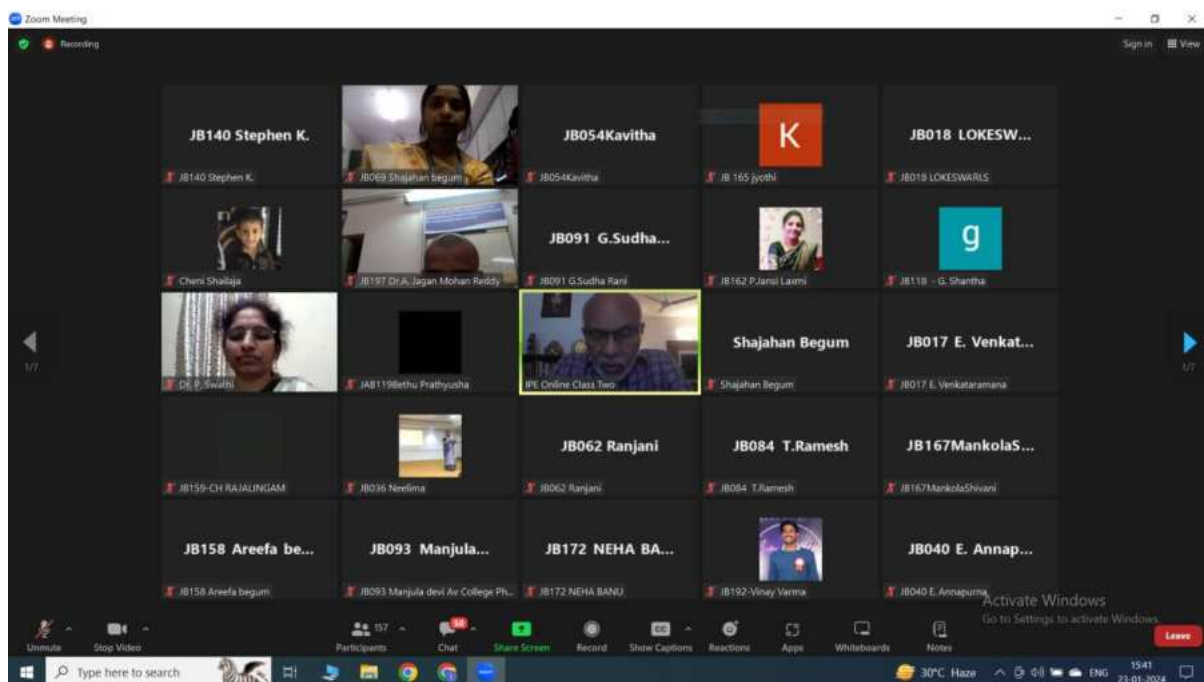
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Prof.sudeshna Bhattacharia speaking about student diversity and inclusive education



Ms.Shahjahan Begum, Faculty Of Physics Participated in NEP Program