

Department Activities - (2023-24)

S.No	Date	Event	Report
1.	05.10.2023	Workshop	One day workshop on “Experiments in Nuclear Physics” for B.Sc. (V Sem) Physics Students of IPGDC for women
2	11.10.2023	Guest Lecture	Topic: “Fundamentals Of Nuclear Physics” by Dr.M. Sreenath Reddy ,Assoc. Prof. in Physics ,OU.
3.	24.02.2024	National Science Day Celebrations	Guest Lecture Topic: “Advances in Medical Physics” by J.Deepa Medical Physicist ,American Oncology Institute.
4.	28.02.2024	National Science Day (NSD)-2024	Interclass Competitions- Display of Science Projects Number of participants registered -21 Projects -10 Judges for competitions: 1 Ms.S.Prashanthi Assistant Professor in Physics, SNVMV,Hyderabad 2 Ms.M.NagaLaxmi, Assistant Professor in Computer Science , SNVMV,Hyderabad
5.	30.03.2024	Power Consumption Awareness Program	Release of Power Consumption Sticker by Principal in Room No. 215. 50 Students participated

Department Activities - (2022-23)

S.No	Date	Event	Report
1	05.09.2022	Teachers Day Celebrations	1. Released Quarterly Newsletter Photon 2. Department & Staff received academic excellence badges
2	07.11.2022	Sir C.V. Raman Birth Anniversary. Inter college competitions for UG & PG students on “ <i>Design of Low–Cost Experiments</i> ” for High School level.	1. A total of 30 exhibits, explaining 23 concepts by various colleges 2. Judges: Dr.P.Indira,assoc. Professor ,IPGDC for Women,Nampally,Hyd’ Dr.E.Rukmini Assoc.Professor, SNVMV 3 . Prof.K.Karuna Sagar, HOD Physics, Osmania University (OU) was the Chief Guest for the event & distributed prizes to winners 4. released Photon Newsletter Of Vol-3

3	16.11.2022 to 20.12.2022	Add-on course on “ <i>Know Your Electrical Appliances – Selection, Protection & Safety</i> ”	<ol style="list-style-type: none"> 1. Number of students registered 78 2. Classes commenced on 16-11-2022 3. Students acquired knowledge about selection, protection & safety of electric equipment 4. certificates were given to all 64 qualified students
4	29.11.2022	Field Trip To NRSC	<ol style="list-style-type: none"> 1. UG & PG Physics students total of 47 with 4 faculty visited NRSC, Jeedimetla. 2. The students interacted with the Scientists who explained topics related to launching of satellites
5	22.02.2023	Open Day	Class-X students of shankerji school, Exhibition Grounds visited Physics Labs. They were exposed to various instruments & experiments explaining concepts of Physics
6	24.02.2023	Inter collegiate Competitions as part of National Science Day Celebrations	<p>1. PPT Topic: “Applications of physics in Health care “ No of teams participated: 05 No.of participants :10</p> <p>2.Poster Presentation Topic: “Advances in physics for Welfare of Society “ No of teams participated: 09 No.of participants :17 Prizes for winners & certificates for all participants were given</p>
7	28.02.2023	National Science Day Celebrations	<ol style="list-style-type: none"> 1. Felicitations to retired Physics Faculty Dr.A.K Priyadarshini & Mr.D.AnjiReddy 2. Chief Guest Dr .Nagaratna,scientist –E Head. Indian Meteorological Department, Released Photon News Letter Photon by Chief Guest

Department Activities – (2021-22)

S.No.	Date	Event	Report
1	30.08.2021	Guidance & awareness for B.Sc. Final year students appearing for PG Entrance Exams.	Online guidance was provided by Physics Faculty to motivate the final year students of SNVMV.
2	27.11.2021	C.V.Raman's Birth Anniversary celebrations-2021	Guest Lecture Topic: " Role of Technology in Shaping our Future " by Dr. Gopala Krishna Behra, Lead Enterprise Architect & Distinguished Member of Technical Staff-Wipro. Followed by Release of Quarterly News Letter Photon. Audience present in auditorium: 400
3	13.12.2021	Field Trip to BDL and MIDHANI	Sixty students from B.Sc. (MPC, MPCs, MECs) along with five staff visited BDL and MIDHANI as part of Azadi-Ka-Amrit Mahotsav Exhibition. They have seen the display of the defence products. At MIDHANI they had an opportunity to see right from the raw materials and alloys that are used for specific aerospace application.
4	22.02.2022	Inter-Collegiate Essay Competition	Topic: "Role of Physics in Healthcare Industry" No. of participants: 27
5	26.02.2022	National Science Day (NSD)-2022	Guest Lecture: topic: " Applications of Spectroscopy " by Dr Usha Praveena, Assistant Professor in Physics & Electronics, St. Francis College, Hyderabad No. of participants: 100

Department Activities – (2020-21)

S.No.	Date	Event	Report
1	10.07.2020	Guidance and awareness for students appearing for PG Entrance Examinations Conducted by various Central and State Universities	Online guidance was provided by Mathematics and Physics Faculty joined by alumni of SNVMV to motivate the final year students. No. of participants: 40
2	07.11.2020	C.V.Raman's Birth Anniversary Celebrations-2020	Online Guest Lecture Topic: " Semi-Conductor Physics & Fabrication " Webinar by Dr V. Swarnalatha. Relayed on YouTube No. of views: 290

3	28.02.2021	National Science Day (NSD)-2021	Online Guest Lecture Topic: “ Laboratory Plasmas and Applications ” by Dr G.Mohana Rao (Prof. Emeritus), IISc, Bangalore Relayed on YouTube No. of views: 798 Release of Quarterly News Letter Photon
4	26.06.2021	Webinar	Topic: “ Simulation Of Electronics Experiments using Multisim ” Resource person: Mr V. Narasimha Rao, Lab Faculty VBIT No. of participants: 50

Department Activities - (2019-20)

S.No.	Date	Event	Report
1	26.11.2019	Guest Lecture	Topic: “ Angular momentum and C.G. coefficients ” by Prof Yadagiri Reddy (Retd.), Department of Physics Osmania University
2	14.12.2019	Workshop	Topic: “ Teaching Models in Physics ” Resource person: Mr Sai Prasad School Assistant, Kotturu, RR District No. of participants: 50
3	23.01.2020	Book Bank inauguration	Inaugurated by Dr. D.Shobana, Principal Repository of books collected from old students, specimen copies received by lecturers from publishers, books donated from various sources. These books are issued to students in need and collected back after examinations.

Department Activities - (2018-19)

S.No.	Date	Event	Report
1	21.02.2019	Two-day event SPARK-2K19 as part of National Science Day Celebrations-2019 in collaboration with TSCOST	Day-1: Inaugural Chief Guest for inaugural: Prof. Ravi Kumar, Member Secretary TSCOST Guest Lectures: 1. Prof K.Venugopal Reddy, Department of Physics, Osmania University. Topic: “Evolution of Electronics” 2. Dr Ravi Chandra, Scientist-F, ARCI, Hyderabad. Topic: “Importance of materials”
		Inaugural on 21.02.2019 followed by competitions	Inter-collegiate Competitions 1. Poster Presentation: Topic: “Recent innovations in Physics and its relevance” Number of participants registered -65 2. Electronic Projects Topic: Innovation and its usefulness Number of participants registered -65 Judges for competitions: 1. Dr Gopi Krishna, Associate Professor in Physics, A.V. College, Hyderabad 2. Dr Srinath Reddy, Assistant Professor in Physics, Nizam College, Hyderabad
2	22.02.2019	SPARK-2K19 Valedictory	Day-2: Valedictory Chief Guest & Key note Speaker: Professor Prasad, Head, Department of Physics, Osmania University Topic: “Raman Effect and its importance”
3	18.04.2019	Field Visit to ARCI	Fifty students from both UG & PG, along with staff visited ARCI Work-Centres visited: 1. Centre for Solar Energy Materials 2. Centre for ceramic processing 3. Centre for laser processing of materials 4. Centre for sol-gel coatings

Best Practices

1. Book Bank : Department maintains **Book Bank** which is repository of books generously donated/contributed by former students, staff and specimen copies of text books given by publishers . Students can barrow the essential books and materials required for their courses . This practice ensures that all students have access to the resources they need to succeed academically, regardless of financial constraints. This initiative promotes equity and inclusivity fostering a supportive learning environment where every student has the opportunity to excel



Book Bank

2 .Optimal utilisation of equipment: The department prioritize the design of **Experiment Cycles** to maintain a better student – to – equipment ratio. This practice ensures that each student has ample access to apparatus /equipment, facilitating hands-on learning experience.

B.Sc (PHYSICS) PRACTICALS, SEM-IV

CYCLE-I

Date: 21-1-2024

GROUP	Roll No.	Strength	Experiment No.
MPCs	1175-22-468-001 TO -009	8	1
	1175-22-468-010 TO -018	8	2
	1175-22-468-019 TO -026	8	3
	1175-22-468-027 TO -035	9	4
	1175-22-468-036 TO -044	8	1
	1175-22-468-045 TO -053	8	2
	1175-22-468-054 TO -061	8	3
MPCs &MPC	1175-22-468-062 TO -068 & 1175-22-441-001 TO -004	9	4

Experiment No.	Name of the Experiment
1	Wedge method
2	Dispersive power of a Prism
3	Pulfrich refractometer
4	Sonometer


Zunra Khan
21/1/2024

Photon

Dept. of Physics & Electronics, Publishes a Quarterly Newsletter titled "Photon" with a view to bringing updates on current advancements in Physics & Electronics .It includes a brief biography of renowned Scientists who made significant contributions in the field of Physics & Electronics. In addition , It includes information about prestigious National Scientific establishments where research facilities are available ,Guest Column, Physics News round up, and fun filled content such as puzzles , quizzes and anecdotes related to Physics & Electronics.

<https://drive.google.com/drive/folders/1DdbwWLWv8dnPkBaIMn13b1cnEoPTskpE>

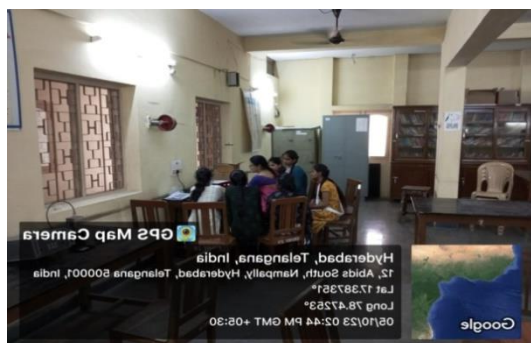
2023-24


SAROJINI NAIDU VANITA MAHA VIDYALAYA
(Sponsored & Managed jointly by Osmania Graduates' Association and Exhibition Society)
Exhibition Grounds, Nampally, Hyderabad. Ph:04024603266
NAAC accredited (3rd Cycle)

Department of Physics & Electronics
Organising One day Workshop

Experiments in Nuclear Physics
For B.Sc (V Sem) Physics Students
5-10-2023 at 10:00 AM

Dr.E.Rukmini V. Anuradha Dr.D.Shobhana
Coordinator Head of Department Principal



Workshop on “Experiments in Nuclear Physics “

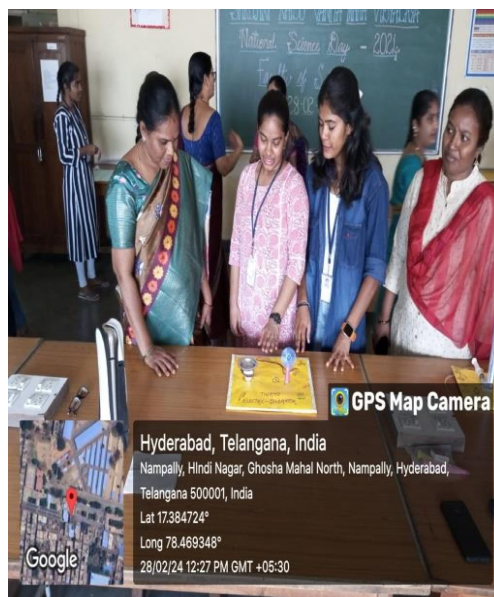
05-10-2023



Guest Lecture by Dr. Sreenath Reddy on” Fundamentals Of Nuclear Physics “
11-10-2023



Guest Lecture by Ms. J.Deepa,Medical Physicist, American Oncology Institute
24-02-2024



Interclass Competitions on the occasion of NSD-2024

28-02-2024



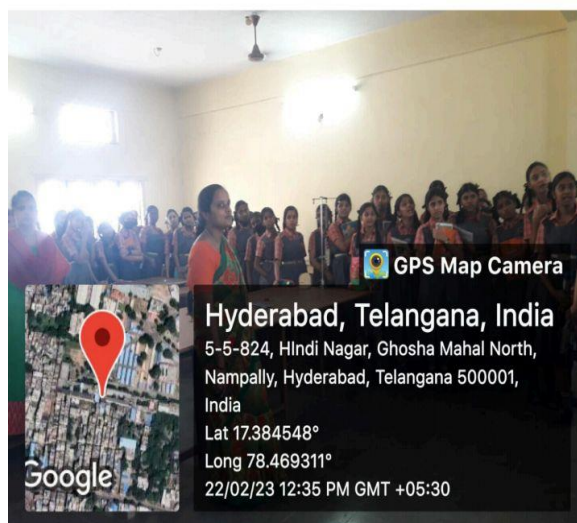
Power Consumption Awareness on 30- 03-2024

2022-23



Sir C.V Raman Birth Anniversary Celebrations, Inter Collegiate competitions

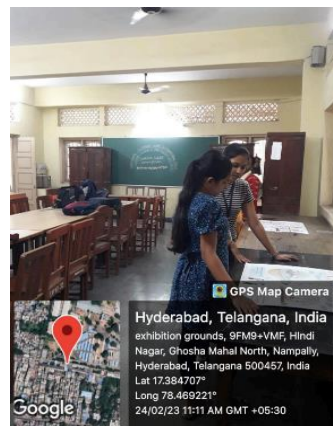
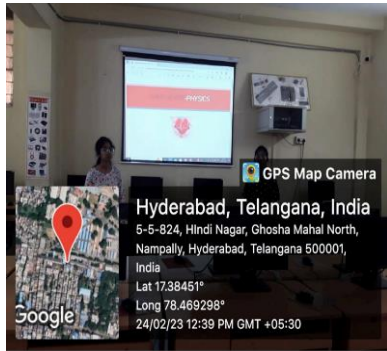
07-11-2022



Class -X students of Shankerji School Visited Physics Labs
On Open Day 22-02-2023



Field Trip to NRSC on 29-11-2022



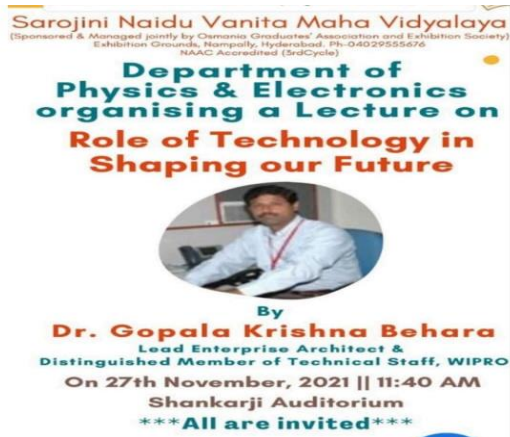
Intercollegiate competitions on the occasion of NSD-2023

24-02-2023



Felicitations to retired faculty (Dr. AK Priyadarshini, Mr.D. Anji Reddy) on the occasion of Diamond Jubilee Celebrations on 14-03-23

2021-22



Guest Lecture by Dr.Gopala Krishna Behara on the Occasion of Sir C.V.Raman
Birth Anniversary Celebrations -2021

27-11-2021




Release of Quarterly News Letter "Photon"

27-11-2021




Field Trip to BDL and MIDHANI

13-12-2021



Sarovini Naidu Vanita Maha Vidyalaya
 (Sponsored and managed jointly by Osmania Graduates' Association and Exhibition Society)
 Exhibition Grounds, Nampally, Hyderabad
 Diamond Jubilee Year (1962-2022)




National Science Day 2022
Department of Physics & Electronics
 Cordially invites to a Guest Lecture on
APPLICATIONS OF SPECTROSCOPY
 By
Dr. Usha Praveena
 Assistant Professor, Department of Physics.
 St. Francis College for Women
 Begumpet, Hyderabad.


Saturday, 26th February 2022
Venue: Golden Jubilee Hall. **Time:** 11:00 am

K. SUBBA RAO
 Head, Dept. of Physics & Electronics


Dr.D.SHOBHANA
 Principal



*"Science knows no country,
 because knowledge belongs to
 humanity, and is the torch which
 illuminates the world"*
 -Louis Pasteur



Sarovini Naidu Vanita Maha Vidyalaya
 (Sponsored and managed jointly by Osmania Graduates' Association and Exhibition Society)
 Exhibition Grounds, Nampally, Hyderabad
 Diamond jubilee year.(1962-2022)



Department of Physics & Electronics

Invites
 All U.G and P.G Students
 to participate
 in
Inter collegiate Essay Writing Competition
 in connection with

NATIONAL SCIENCE DAY CELEBRATIONS-2022

**Topic:
 PHYSICS in
 Healthcare
 Industry**

Instructions:

1. U.G and P.G students from any college in India are eligible to participate.
2. The essay should not exceed 750 words.
3. Typed of legibly hand written essay's should be uploaded in the given google form in PDF format.
4. Student name, college name, location, email i'd, mobile number should be written on the first page of the essay.
5. Plagiarism check will be done.
6. The decision of the department is final.

Please send your essay through the following link:
<https://forms.gle/zr5PXsSrFGRIynY6>

Last date of the entry 22nd February

Prizes for Winners

E-certificates will be issued to all the participants

For any queries contact
 Supriya, Asst professor
 Dept. of Physics and Electronics
 Mobile No. 6281574108

K. Subba Rao
 Head, Dept. of Physics and Electronics

Dr.D.Shobhana
 Principal

National Science Day - 2022

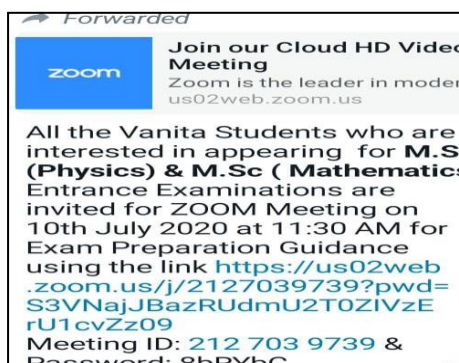


Presenting Bouquet to Chief Guest Dr.Usha Praveena, Assistant Professor
St. Francis college for Women on 26-02-2022

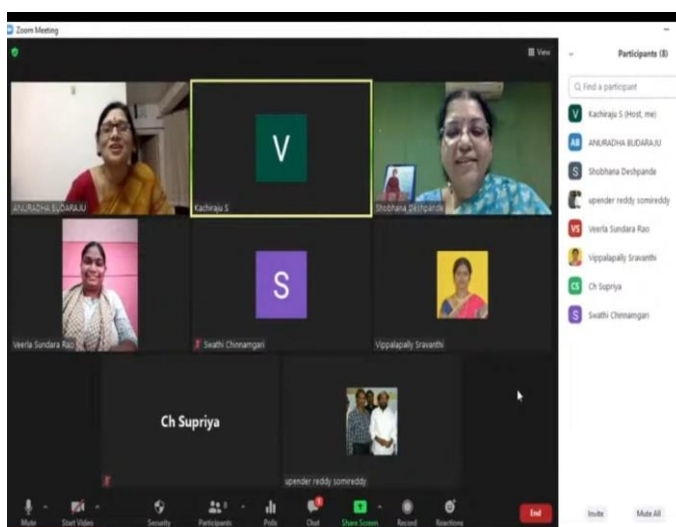
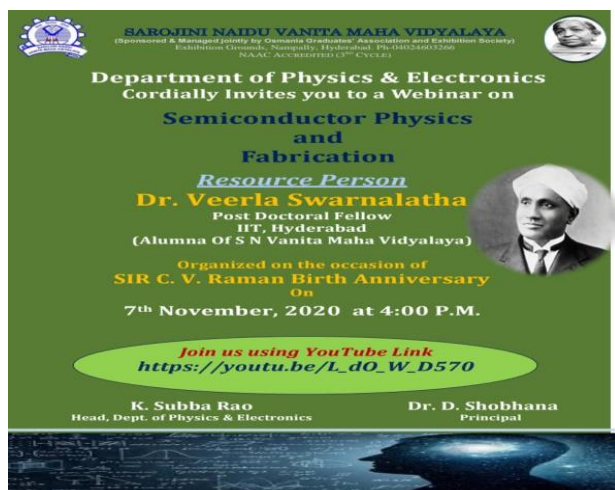


Prize winners of inter colleges essay writing competitions organised on account
of NSD-2022

2020-21



Guidance & Awareness for students appearing for Entrance Examination
Conducted by Various Central and State Universities



Guest Lecture by Dr.V,Swarnalatha (Post Doctoral Fellow) , Dept. of Physics,
IIT - Hyderabad (Alumnus of SNVMV)

07-11-2020



**Sarojini Naidu Vanita
Maha Vidyalaya**
(Sponsored & Managed jointly by Orissa Graduate Association and Exhibition Society)
Exhibition Society, Nayabadi, Hyderabad, Ph-04019301674
BMAC Accredited (India/Or)

Department of Physics & Electronics
is organising a Lecture on the occasion of
National Science Day
28th February, 2021 at 11:30 AM

**"Laboratory Plasmas &
Applications"**
by
Distinguished Speaker
G.Mohan Rao
Professor Emeritus
Dept. of Instrumentation & Applied Physics
Indian Institute of Science, Bangalore

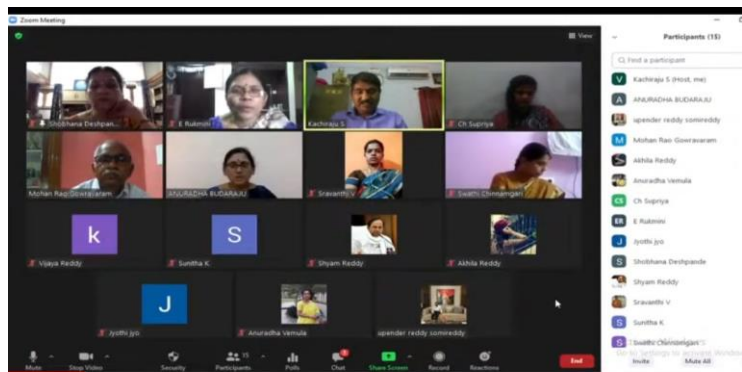
Please click on the link to join the session
<https://youtube.com/watch?v=2GuM4YY>



K. Subba Rao
Head, Dept. of Physics &
Electronics



Dr. D. Shobhana
Principal



Lecture on the occasion of National Science Day

798 views 2 yr ago ...more

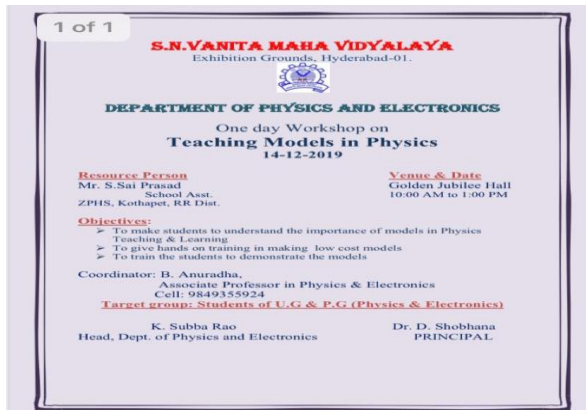


Sarojini Naidu Vanita Maha Vid... 1.98K



Guest Lecture by Dr.Mohan Rao (Prof. Emeritus) – Dept. Of Instrumentation & Applied Physics , IISc- Bangalore on 28-02-2021

2019-20



Mr.S. Sai Prasad explaining the importance of Teaching Models

14-12-2019.



Hands on Experience in making Models

14-12-2019



Book Bank Inauguration by principal Dr.D.Shobana

23-01-2020

2018-19



Inauguration of SPARK 2K19 – Chief Guest Prof. Ravi Kumar Member Secretary

TSCOST on 21-02-2019



Chief Guest interacting with the participants in intercollege competitions in ppt & Projects



Newspaper clippings pertaining to Inauguration of SPARK -2K19.





Dr.Ravi Chandra Scientist F ARCI delivering lecture & interacting with students

21-02-2019



Field trip to ARCI on 18-04-2019.