

**NTR GOVERNMENT DEGREE COLLEGE (W)
MAHABUBNAGAR**

DEPARTMENT OF PHYSICS

Significant Achievements: 2020-2021

- Academic year 2020-2021 - a pandemic year, Physics department tried to engage students in different co curricular activities by conducting different activities.
- Department conducted Online Quiz from 14-07-2020 to 17-07-2020 and issued e- certificates to around 300 students.
- Department celebrated “Energy conservation week” from 14-12-2020 to 20-12-2020 by giving awareness on importance of energy conservation to students and assignments on the Theme 2020 :Conserve Energy & Save the Future.
- In CPGET-2020 entrance examination, 4 students achieved better ranks & our 2 students N. Prasanna & Saniya Begum got M.Sc. Physics admission in Palamuru University.
- Department organized Extension Lecture on the topic “Oscillations” by Smt. Nuzhat Naseem, Asst. Professor Physics ,Govt. Degree College Shadnagar on 17-02-2021.
- Physics department celebrated National Science Day on 02-03-2021 to recall the historic invention “Ramen Effect” by Indian Noble Laureate Sir C.V.Raman on 28th Feb.

- Organized an online Extension Lecture through ZOOM APP on the Topic “Photo Electric Effect” by Sri. B. Uday Kumar, Asst. Professor Dr.BRR Govt. Degree College Jadcherla on 26-06-2021
- Students of Telangana Social Welfare Residential Degree College for women (TSWRDCW), Mahabubnagar visited final year physics Laboratory of N.T.R Govt. Degree College (W), mahabubnagar in March 2021 & the faculty of physics department provided services to those students in conducting/ demonstrating the practical for SEM V MPC III yr students.



Date	Proposed Activity	Date-2021	If conducted, Give the description	If not, Give the reason	Remarks
15 week 28-02-2021	national science day	Feb-2021	national science day celebrated by Dept. of Physics on 02.02.2021 students were motivated to participate in this programme.		



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online classes during pandemic

12:22

Cloud Participants (71)

Search

- S Saranya Jabon
- M Nandini
- M Anshukthir
- A Sai Supriya
- A pravalka
- Ahaen
- Ajitha333
- Anjali D
- anusha
- D. shailaja
- D. akhila
- D birudha
- D neelitha

Extension Lecture

Extension Lecture is conducted by the Dept. of physics by Smt. NUZHAT NASEEM Asst. Prof. in physics of G.D.C., Shadnagar. on 17.02.2021 at college, on the topic "OSCILLATIONS" for the class M.R.C & M.P.Cs I year students.



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Extension Lecture conducted by Sri. Uday Kumar Sir, Asst. Prof. in physics, Dr. B.R.R. college, Tadcherla on 26.06.2021 in online mode. Topic: Photo electric effect.

Experimental Setup (ప్రయోగ అమరిక)

Photoelectric Effect (కాంతి విద్యుత్ ఫలితం)

The photoelectric effect was first observed by Heinrich Hertz in the year 1887.

The process of emission of electrons from a metal surface by the incidence of light of suitable frequency is called Photoelectric Effect.

- The electrons emitted in this effect are called photoelectrons.
- The current due to these photoelectrons is called photoelectric current.

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