

Department of Physics

Established in the year 2008, the department of Physics is thriving in the making its students learn with zeal. **Physics is tough** is not the sentence uttered by our students. Instead we make it “**Physics is interesting**”. We make students heartily like the subject and then they are automatically inclined towards learning.





Vision:

“Teachers who love teaching teach students love learning”

The department of Physics aspires to witness the manifestation of Physics Department into a powerful department creating passion and curiosity in the young minds to pursue higher education in Physics and thereby creating premier institution and center for pursuit of excellence.

Mission:

To encourage its students to pursue higher education in Physics

To render its students, quality education in physics.

To create a pleasant learning atmosphere with theory and experiments.

To refer to as many sources of teaching and learning, making use of modern technology.

To use ICT wherever necessary.

About the faculty:

At Present the department has a single faculty member.

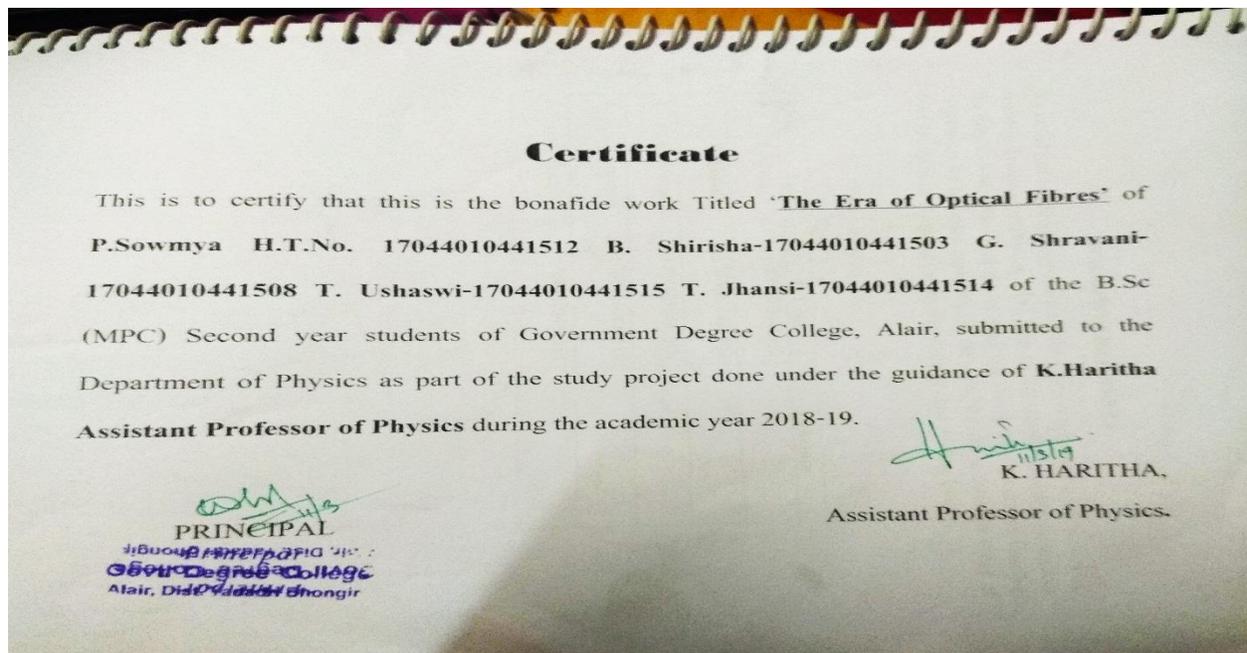
Name of the faculty: K.Haritha,

Asst. Prof. of Physics. M.Sc.(Physics), APSET, B.Ed, M.Phil .

(Pursuing PhD at BITS Pilani, Hyderabad registered in January, 2016.)

Departmental Activities:

Project works: The students with a team of 5 members, B.Sc. II year actively took part in the project work titled “The era of Optical Fibre”, a rapidly developing technology in the electronic communication field.



- Demonstration of B.Sc., Physics Experiments - YouTube :

Few experiments of B.Sc., Physics are planned to be uploaded to the YouTube,

As a part of it I have uploaded an experiment Volume Resonator on the YouTube channel. Link: <https://youtu.be/sUxWcxserWg>

Assignments: Assignment works are given to the students to be done during the Dusshera vacation. They are advised to look into various sources like books, research articles, IIT websites etc.

Students' seminars: Seminars concept is introduced to bring out the teaching abilities of the students, if they have aspire to take up teaching profession. If they teach, they will learn the topic thoroughly and stage fear can be overcome.





Science Quiz:



A quiz programme was organized by the science departments of the college on 1-3-2019 on the occasion of National Science Day.



Encouraging in article writing for presentation in National seminars:

This is taken up as the Best practice by the Physics department, the students are given topics like Working of a Super Capacitor, Mechanical

properties of nature material, Record of Lowest temperatures achieved so far, how to write the references in the bibliography etc.

Social Responsibility: The students are encouraged to take up tutoring to the school students in the adjacent Social Welfare hostel after college hours, as part of social responsibility.

- PG Entrance coaching is offered after the college hours free of cost to the students of our college, we are thinking of extending this practice to the other college students also, so that our admissions can be improved in the coming years.
- The handwritten notes/study material is made available in the form of *PDF* which can be accessed by the smart phone and can be shared among the students. Important Questions are also given after each unit.

social responsibility: Three students from B.Sc III year are interested in teaching, so they go and teach in the adjacent Social Welfare Hostel for 30 minutes daily after the college hours. This is done as a part of social responsibility.

Challenges and future goals:

- We need to improve the strength of MPC/MPCs students, this is our immediate goal.
- Laboratory has to be enriched with modern equipment.
- The dream is to see more number of students pursue their Masters degree in Physics.

