

DEPARTMENT OF PHYSICS



DEPARTMENT PROFILE

Department was established in 2016 Started with a strength of 30 in MPC and 30 in MPCs Now the strength increased to 500 students. The department extended its wings in establishing a course in Electronics with MPS and MECs. All the courses are handled by Department of Physics. The department is rich enough in handling laboratory sessions with funds offered by Government, RUSA and regular Special Fee Fund.

The major equipment are as follows:

- Compound Pendulums
- Torsional Pendulums
- Bar Pendulums
- Sodium Lamps
- Mercury Lamps
- Diffraction Gratings
- Lasers
- Hot plates
 - Spectrometers

Every year the department conducts

- Student Seminars
- Assignments
- Internal Assessment Exams
- Laboratory Sessions

- Field trips ,Outreach Programmes, Science exhibitions'

On regular basis

To enhance the autonomy the department in collaboration with other departments (Chemistry, Zoology and Microbiology, Biotechnology) tried to introduce new experiments (III year Projects) which are in advance to the regular experiments listed by our affiliating University.

The department planned to do projects on Optics, Thin films, Bio-Physics.

Every year the department staff and students visit CSIR Institutes on CSIR Open Day and visit Scientific Institutes on National Science Day (NGRI, NIN, Survey of India, GSI). On the eve of National Science Day the department conducts Science Exhibition every year. Activities are done as a part of the curriculum

The Department of Physics creates and disseminates new knowledge; the department offers courses in Physics at the graduate level that will help, prepare the students for professional careers in Sciences, Education, Technology and Health care

1. VISION : TO ACHIEVE ACADEMIC AND RESEARCH EXCELLENCE IN ESSENTIAL TECHNOLOGIES OF PHYSICAL SCIENCES BY PROMOTING A CREATIVE ENVIRONMENT FOR LEARNING AND INNOVATION

2. MISSION: TO PROVIDE DYNAMIC, INNOVATIVE AND FLEXIBLE CURRICULUM WHICH EQUIP THE STUDENTS WITH THE NECESSARY PROBLEM DRIVEN SKILLS TO STRENGTHEN THEIR CAREER PROSPECTS AND POTENTIAL TO PURSUE HIGHER STUDIES

3. OBJECTIVES : TO MOULD THE STUDENTS INTO COMPETENT, SUCCESSFUL, AND PRACTICING SCIENCES IN THEIR CAREER AND/OR IN PURSUING THEIR HIGHER STUDIES THROUGH THE SPIRIT OF INNOVATION AND ENTREPRENEURSHIP TO ACQUIRE AND PRACTICE THE PROFESSION WITH ETHICS, INTEGRITY AND LEADERSHIP QUALITIES WITH DUE CONSIDERATION TO ENVIRONMENTAL ISSUES IN CONFORMANCE WITH SOCIETAL NEEDS

4. FACULTY

S.No	Name of the Teacher	Qualification	Specialization	Designation	Profile (provide your Google drive link)	Vidwan ID
1	Dr.Ch.KanchanaLatha	M.Sc,M.Phil,Ph.D(CSIR-NET)	Nanotechnology	Assistant Professor of Physics	View Document	244819
2	Dr.M.Sundara Murthy	M.Sc,Ph.D(CSIR-NET)	solar cells	Assistant Professor of Physics	View Document	244788
3	N.Anitha	M.Sc,(Ph.D)	Polymers	Contract Lecturer in Physics	View Document	245233

(Pls provide visiting faculty details also and mention about it in the last column)

5. BoS : [View Document](#)

6. PROGRAMMES & COURSES OFFERED : B.Sc& (MPC,MPC'S ,MPS and MEC'S)

7. CURRICULUM

Programme Specific Outcomes (PSO) : [View Document](#)
Course Outcomes (CO)

Syllabus (2021-22)

Physics: [View Document](#)

Electronics: [View Document](#)

Syllabus(2016-20)

Physics: [View Document](#)

Electronics: [View Document](#)

8. SEMINARS/WORKSHOPS/CONFERENCES/SYMPOSIUMS ORGANIZED (Last 5 yrs)

S.No	Title of the Programme	Sponsored By	Date	Link for the details of the program(provide your Google drive link)
1				View Document

9. Minor/ Major Research Projects completed by the Department : NIL

10. Jignasa Projects of the department (Ongoing) : 01(SWACHCH ANTARIKSH)

11. YouTube channel: YES

1) [View Document](#)

2) [View Document](#)

12 .e-AdhyayanKosh(link to the google drive where the videos/video lessons/ppts/notes is organized semester wise)

I [view document](#)

1) [View Document](#)

2) [View Document](#)

13.ACTIVITIES CONDUCTED (latest Completed academic year)

2020-21 [google drive link](#)

[View Document](#)

(2021-22)

[View Document](#)

*(GIVE A DETAILED REPORT OF EACH ACTIVITY)

14.TEACHER ACHIEVEMENTS

1) [View Document](#)

2) [View Document](#)

15. STUDENT and FACULTY ACHIEVEMENTS: [View Document](#)

**16. FUTURE PLANS :MOUS WITH DIFFERENT ACADEMIC AND RESEARCH BODIES-
INNOVATIVE TECHNOLOGIES AND STARS FOR DOING STUDY PROJECTS AND FIELD
VISITS TO DIFFERENT GOVERNMENT ORGANIZATIONS LIKE IMD(INDIAN
METEOROLOGICAL DEPARTMENT) ,AIRPORT, NGRI,IICT etc .**

**FULL INFRASTRUCTURE RESEARCH LAB FACILITIES FOR DOING LIVE PROJECTS
ESTABLISH PHYSICS –RESEARCH HUB**

**AS A FACULTY, GUIDE SHIP IS BEING PURSUED FOR GUIDING STUDENTS IN THEIR
Ph.D. WORK**

SELF-MOTIVATE MORE RESEARCH PAPER PUBLICATIONS

17. CONTACT US(Provide department mail ID): gdcwbegumpetphysicsdept2020@gmail.com