Physics Department Profile

The department of physics was established in the year 1997 along with the institute, and the physics department is used to follow the syllabus prescribed by JNTUH. In the year 2011, JNTUH sanctioned the autonomous status to the institute. Then the physics syllabus is modified to suit the changing needs of engineering curriculum. At present the faculty of physics is teaching two theory courses and one lab course. The Department has well-equipped laboratories and the experiments in engineering physics lab course are completely changed and entirely a new set of experiments that are relevant to the modified physics syllabus are introduced. Thus coherence between theory course and lab course is obtained.

The Department has requisite number of faculty members, striving to incorporate excellence in theory, practice and research. At present the department has strength of 12 teaching staff (3 professors, 2 Associate professors and 7 assistant professors) and one supporting staff. The department conducting conferences, workshops and FDPs for the benefit of students as well as faculty members to understand the latest trends. The faculty members are actively involved in research and more than 50 papers are published in Journals and conferences.

The physics Department is committed to achieve the following goals to serve the students.

1. Quality Instruction: To assure consistently high-quality instruction in all modes of delivery.

2. Student Success: To work collaboratively with other areas of the colleges to encourage students to achieve their educational goals and succeed in work and/or continued education.

3. Technology: To employ appropriate technologies effectively to enhance instruction and student learning.

4. Professional Development: To foster continuing education and professional development for faculty and staff.

ARSHIA FATHIMA
Areas of Interest: Luminescence, Nano Technology

Education
- M.Sc, (Physics) Acharya Nagarjuna University.
- B Ed, Acharya Nagarjuna University.
- B.Sc,(MPC) Acharya Nagarjuna University.

Publications
Areas of Interest: Green synthesis, Nanotechnology.

Education
- Ph.D. (Pursuing), JNTUH
- MSc(Physics), Jawaharlal Nehru Technological University - Hyderabad
- B.Sc. (MPC), Osmania University, Hyderabad

Selected Publications

Patrick, G
Areas of Interest: Material science, Physics in medicines

Education
- Ph.D., Osmania University, Hyderabad
- M. Sc. Osmania University, Hyderabad
- B. Sc. Osmania University, Hyderabad

Selected Publications
2. G Patrick et. al (2018), Studies on conversion of Thermal energy in to Electrical energy using ferromagnetic cobalt as core material, proceedings- National conference MSA, 120-124.

K. Vagdev
Areas of Interest: Condensed matter physics, solar cells, water purification

Education
- Ph.D., Jawaharlal Nehru Technological University, Anantapur
- M.Tech, Sri Venkateswara University, Tirupathi
- M.Sc, , Sri Venkateswara University, Tirupathi

R & D Projects
1. FIST project, DST

Selected Publications


G Kalpana
Areas of Interest: Nanotechnology and thin films and Luminescence

Education
- M.Sc.(Physics), Sri Padmavathi Mahila Viswa Vldyalayam, Tirupathi
- B.Ed., Osmania University, Hyderabad
- B.Sc. (MPCs), Sri Venkateswara University, Tirupathi

Selected Publications

J.KISHORE BABU
Areas of Interest: Luminescence, Crystal growth

Education
- Pursuing Ph.D., Acharya Nagarjuna University Guntur
- M.Sc.(Condensed Matter Physics), Acharya Nagarjuna University Guntur

Selected Publications


M Krishna
Areas of Interest: Material science and thin films

Education
- M.Sc.(Physics), Osmania University, Hyderabad
- B.Ed., Osmania University, Hyderabad
- B.Sc. (MPC), Kakatiya University, Karimnagar

Selected Publications


Sridhar Mandava
Areas of Interest: Solid State Physics, Electricity and Magnetism

Education

- Ph.D., Pursuing from JNTUH, Hyderabad.
- M.Tech (EM), from S.V University, Tirupati.
- M.Sc (Physics), from Acharya Nagarjuna University, Guntur.

Selected Publications


P. APARNA
Areas of Interest: semiconductor opto electronic devices, fiber optics,

Education

- M.Sc. (Physics) Hindu college, Acharya Nagarjuna University Guntur

Selected Publications