

## PHYSICS

1. **About the course:-** M.Sc. in Physics with following courses : Classical Mechanics (100 Marks), Mathematical Methods in Physics (100 Marks), Quantum Mechanics (200 Marks), Solid State Physics(100 Marks), Basic Electronics(100 Marks), Statistical Mechanics(100 Marks), Nuclear and Particle Physics(100 Marks), Advanced Quantum Mechanics(100 Marks), Classical Electrodynamics (100 Marks), Advanced Condensed Matter Physics (*Special Paper, 200 Marks*), Computational Methods in Physics Practical (100 Marks), Modern Physics Practical (100 Marks), Electronics Practical (100 Marks), Solid state Physics Practical (100 Marks), Dissertation or Project (200 Marks). Total 1800 marks.

2. **Establishment of the Department:- 2013**

3. **Vision:**

- To develop to become a center of excellence in Physics education and research,
- To act as a springboard for students to realize their highest dreams as scientists and as citizens of the world
- to empower the students with a global outlook harmoniously with personal and social aspirations.

4. **Mission:** - The Department strives to

- Inculcate a love for physics in students' minds by exposing them to the ceaseless process of exploring the hidden laws of nature behind her mysteries.
- Expose the students to the advances in physics and science in different areas of research around the world.
- Make students aware of the prospects that physics offers to grow in life.

## 6. Faculty Member Details:-



	<p><b>Name:</b> Prof. Lambodar Prasad Singh</p> <p><b>Designation:</b> Former Professor, Utkal University, Bhubaneswar</p> <p><b>Qualification:</b> Ph.D.</p> <p><b>Specialization:</b> Particle Physics &amp; Cosmology</p> <p><b>Phone No:</b> +91-9937624505</p> <p><b>E-mail Id:</b> lambodar_uu@yahoo.co.in</p>
	<p><b>Name:</b> Prof. Naresh Chandra Mishra</p> <p><b>Designation:</b> Former Professor, Utkal University, Bhubaneswar</p> <p><b>Qualification:</b> Ph.D.</p> <p><b>Specialization:</b> Condensed Matter Physics &amp; Nanophysics</p> <p><b>Phone No:</b> +91-9437889778</p> <p><b>E-mail Id:</b> nareshcmishra@gmail.com</p>
	<p><b>Name:</b> Prof. Gourang Chandra Mohanty</p> <p><b>Designation:</b> Retd. Professor of Physics, Former Principal(SAG) Khallikote College, Berhampur</p> <p><b>Qualification:</b> Ph.D.</p> <p><b>Specialization:</b> Condensed Matter Physics</p> <p><b>Phone No:</b> +91-9437273107</p> <p><b>E-mail Id:</b> gmohanty_2008@rediffmail.com</p>

	<p><b>Name:</b> Prof. Prafulla Kumar Mishra</p> <p><b>Designation:</b> Retd. Reader in Physics, Principal, SCS Autonomous College, Puri</p> <p><b>Qualification:</b> Ph.D.</p> <p><b>Specialization:</b> Condensed Matter Physics</p> <p><b>Phone No:</b> +91-9338217698</p> <p><b>E-mail Id:</b> pragyanm59@gmail.com</p>
	<p><b>Name:</b> Dr. Subrat Kumar Kar</p> <p><b>Designation:</b> Lecturer</p> <p><b>Qualification:</b> Ph.D.</p> <p><b>Specialization:</b> Condensed Matter Physics</p> <p><b>Phone No:</b> +91-9853267345</p> <p><b>E-mail Id:</b> skarnit@gmail.com</p>
	<p><b>Name:</b> Mr. Bibhuti Bhusan Sahoo</p> <p><b>Designation:</b> Lecturer</p> <p><b>Qualification:</b> Ph.D. (Submitted)</p> <p><b>Specialization:</b> Condensed Matter Physics</p> <p><b>Phone No:</b> +91-8908491264</p> <p><b>E-mail Id:</b> sahoobibhuti93@gmail.com</p>

	<p><b>Name:</b> Mr. Keshb Chandra Moharana,  <b>Designation:</b> Lab Instructor  <b>Qualification:</b> B.Sc.  <b>Phone No:</b> +91-9853155704  <b>E-mail</b>  <b>Id:</b> keshabmaharana234@gmail.com</p>
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### **8.Distinguished Alumni:-**

	<p><b>Name:</b> SACHIDANANDA BARIK  <b>Academic Session:-</b> 2014-16  <b>Organization:</b> Raman Research Institute,  Bangaluru  <b>Designation:</b> Ph.D. Scholar</p>
	<p><b>Name:</b> ASWINI KUMAR BURMA  <b>Academic Session:-</b> 2015-17  <b>Organization:</b> I.O.P., Bhubaneswar  <b>Designation:</b> Ph.D. Scholar</p>
	<p><b>Name:</b> LAXMIPRIYA SAHOO  <b>Academic Session:-</b> 2016-18  <b>Organization:</b> I.I.T., Bhubaneswar  <b>Designation:</b> Ph.D. Scholar</p>

	<b>Name:</b> SURYA MOHANTY <b>Academic Session:-</b> 2016-18 <b>Organization:</b> I.I.S.E.R, Thiruanantapuram <b>Designation:</b> Ph.D. Scholar
	<b>Name:</b> RASHMI RANJAN ROUTARAY <b>Academic Session:-</b> 2018-20 <b>Organization:</b> Institute of Condensed Matter and Nanosciences (IMCN) – MODL clusterPolytechnic School of Leuven (EPL) Chemin des Etoiles, 8 box L7.03.01 – 1348, Louvain-la-Neuve <b>Designation:</b> Ph.D. Scholar

### 9.Seminar/Internship/Study Tour Conducted by Department:-

Date	Topics	Members present
06-02-2023	Study tour to Institute of Physics, Bhubaneswar	P.G. Physics Students (2021 and 2022 Admn. Batch) and Faculties
16-09-2023	Outreach Programme for Science Students <i>Jointly Organized by Institute of Physics,Bhubaneswar &amp; Udayanath Autonomous College of Science &amp; Technology, Adaspur, Cuttack</i>	Students and Staffs
16-09-2023	Future Sources of Energy	Students and Staffs
16-09-2023	Nanoscience & Nanotechnology	Students and Staffs
16-09-2023	Fun Science demonstration	Students and Staffs