Mahatma Phule Shikshan Sanstha's

KARMAVEER BHAURAO PATIL COLLEGE,
URUN-ISLAMPUR

DEPARTMENT OF PHYSICS

Activity

B. Sc. I- Foundation Course

Date: 23/06/2025

Notice

All B.Sc. I students are hereby informed that the "Foundation Course", organized by the Faculty of Science, Karmaveer Bhaurao Patil College, Urun-Islampur, will be held from 23/06/2025 to 26/06/2025 at Room No. G-14.

You are requested to be present sharply at 11:00 AM.

Head
Department of Physics
Karmaveer Bhaurao Patil College
Urun-Islampur, Dist-Sangli-415409

Head of Department

Mahatma Phule Shikshan Sanstha's

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Photo Gallery

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B. Sc. I- Foundation Course

Date: 23/06/2025

Activity Title: B.Sc. I - Induction Programme 2025

Target Audience: B.Sc. - I Students

❖ **Objective of the Activity:**

The objective of this course was to introduce newly admitted B.Sc. I students to the Department of Physics, provide an overview of the subject, explain the curriculum, and inform them about academic and career opportunities in physics.

❖ **Summary of the Activity:**

The Faculty of Science at Karmaveer Bhaurao Patil College, Urun-Islampur, successfully conducted a four-day B.Sc. I –Foundation course from 23rd to 26th June 2025. As part of the Foundation Course for newly admitted students, the Department of Physics conducted an orientation session on 23/06/2025. The session aimed at familiarizing students with the department's academic structure, expectations, and future prospects in the field of physics.

Introduction to the Subject of Physics and Its Significance:

The session began with an engaging introduction to physics, highlighting its importance as a fundamental branch of science that explains natural phenomena through concepts such as motion, energy, force, matter, and radiation. The role of physics in technological advancement and its applications in various fields such as medicine, engineering, communication, and space science was emphasized. Students were encouraged to appreciate physics not only as an academic subject but also as a means to understand and interpret the world around them.

Overview of Career Opportunities in Physics:

The students were provided with a broad perspective on the diverse career paths available to physics graduates. This included careers in research (scientific laboratories, DRDO, ISRO, BARC), teaching and academia, applied physics in engineering fields, and opportunities in the private sector such as data analysis, software development, electronics, and renewable

energy. Information was also given about competitive exams like NET, GATE, and SET, which are crucial for higher studies and academic careers.

- **Theory Syllabus Explanation and Subject-Wise Coverage:**

A detailed walkthrough of the first-year B.Sc. Physics theory syllabus was provided. Each semester's curriculum was outlined, highlighting core topics like mechanics, thermodynamics, optics, electricity, and magnetism. Emphasis was placed on conceptual understanding, mathematical formulation, and real-life applications. Reference books and study materials were suggested to help students prepare effectively.

- **Practical Syllabus Discussion Including Lab Activities and Expectations:**

The practical syllabus was introduced to familiarize students with the laboratory component of the course. Key experiments to be performed in the semester were discussed, and students were informed about lab safety protocols, observation book maintenance, and punctuality. The importance of hands-on experience in reinforcing theoretical concepts was stressed. The structure of the practical batches and assessment criteria for each experiment were also shared.

- **Detailed Explanation of the Paper Structure for Both Theory and Practical Examinations:**

The examination pattern was clearly explained, covering the number of papers per semester, the format of the question papers (such as types of questions – short answer, long answer, numerical problems), and the time allotted for each exam. For practical exams, students were informed about the components such as experiment performance, viva voce, and journal evaluation. Internal assessment components like class tests, assignments, and attendance were also mentioned.

- **Discussion on the Marking Scheme for Internal and External Evaluations:**

The marking scheme was thoroughly explained to ensure transparency and prepare students for academic assessments. For theory papers, the division of marks between internal assessment (e.g., assignments, tutorials, class tests) and external university exams was clarified. Similarly, for practicals, the distribution of marks across experiment performance, viva, journal, and overall conduct was discussed. Students were advised on how to maximize their scores through

consistent performance throughout the semester.

❖ **Outcome of the Activity:**

- Students gained clarity on the subject of physics and its scope
- They became familiar with the syllabus, examination structure, and evaluation methods
- The session helped reduce anxiety among students by providing a clear academic roadmap
- It encouraged students to take an active interest in the subject from the very beginning

❖ **Feedback:**

Students appreciated the clear and informative presentation of the syllabus and examination pattern. They found the session useful in understanding career possibilities in the field of physics. Many students expressed that the activity helped reduce their initial anxiety and gave them a clear direction. Students suggested that such sessions be conducted regularly at the start of every academic year.

❖ **Conclusion:**

The Foundation Course session conducted by the Department of Physics was highly beneficial for first-year students. It successfully introduced them to the department, clarified academic expectations, and motivated them to take active interest in the subject. The positive feedback reflects the effectiveness of the session in preparing students for a smooth academic transition.Such orientation sessions play a vital role in building confidence among new students and promoting a better understanding of their chosen field of study.

"Foundation course"

Monday 23rd June 2025

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	Name	Sign.
1]	Dipali Dattatray Suryawanshi	Suryawanshi
2]	Pranali Ashok Shinde	Shinde
3]	Diksha Sanjay Suryawanshi	DS
4]	Vaishnavi Sunil pawar	Pawar.
5]	Snehal Ramesh Phadatare	Snehal
6]	Nikita Kiran Vilkar	NK
7]	Aditya Dipak Panake	Panake
8]	Aryan Rajendra Pal	AryanPal.
9]	Harshvardhan Maruti Apugade	Apugade
10]	Shreyash Sunil	Bake.
11]	Makarand Shivaji Patil	MPatil
12]	Aditya Sandip Patil	Apatil
13]	Sandesh Bhaskar Kadam	Bkadam
14]	Swaraj Rajesh Jadhav	SRJ.
15]	Sumit Anandrao Mali	Samali
16]	Vaishanavi Bhagwat Shendage	VBS
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18]	Sumit Anandrao Mali	Samali
19]	Aryan Rajendra Pal	AryanPal.
20	Sushant Krishnat Nimbas	S.K.N
21]	Poonam Dilip Jadhav.	PDJadhav
22]	Sakshi krushna kursunge	Sakshi..