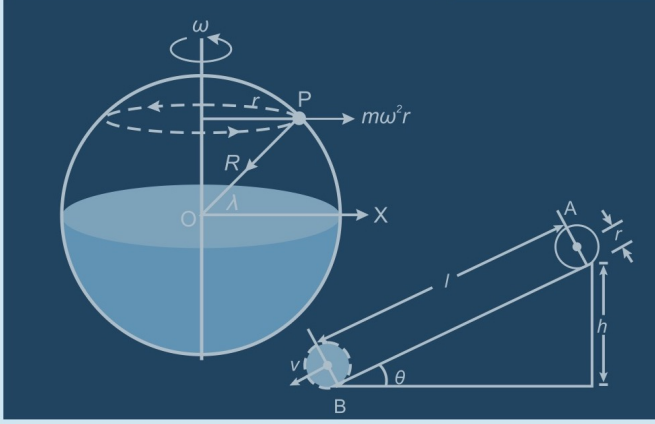


மாதிரி பாடத்திட்டத்தின்படி AICTE - ஆல் யரிந்நுரைக்கப்பட்ட பாடப்புத்தகம்

வெளிப்பாடு அடிப்படையிலான கல்வியின்படி வழுவமைக்கப்பட்டது

தேசிய கல்விக் கொள்கை 2020



# இயற்பியல்

இயந்திரவியல் - ஓர் அறிமுகம்

(ஆய்வக கையேட்டுடன்)



ஏ.பி. பட்டாச்சார்யா | அடானு நாக்

## Physics (Introduction to Mechanics) (with Lab Manual)

<b>Author :</b>	A. B. Bhattacharya
<b>ISBN 13 :</b>	978-93-91505-76-9
<b>ISBN 10 :</b>	93-91505-76-7
<b>E-ISBN 13 :</b>	978-93-91505-76-9
<b>Edition :</b>	First
<b>Pages :</b>	252
<b>Type of book :</b>	Paperback
<b>Weight (g) :</b>	330.00
<b>Year :</b>	2022
<b>Language :</b>	Tamil
<b>Publisher :</b>	Khanna Publishing House
<b>M.R.P :</b>	Rs 344.00
<b>Categories :</b>	<a href="#">AICTE Prescribed Textbooks,</a> <a href="#">Tamil Books</a>
<b>Condition Type :</b>	New
<b>Country Origin :</b>	India



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

## Product Description

**Physics: Introduction to Mechanics** has been written for the first year students of B Tech Engineering Degree Courses of all Indian Universities following the guideline and syllabus as recommended by AICTE. The book, written in a very simple and lucid way, will be very much helpful to reinforce understanding of different aspects to meet the engineering student's needs. Writing a text-cum manual of this category poses several challenges providing enough content without sacrificing the essentials, highlighting the key features, presenting in a novel format and building informative assessment. This book on engineering physics will prepare students to apply the knowledge of Mechanics to tackle 21 century and onward engineering challenges and address the related questions.

### Some Salient features of the book:

- € €1. Expose basic science to the engineering students to the fundamentals of physics and to enable them to get an insight of the subject.
- € €2. To develop knowledge on critical questions solved and supplementary problems covering all type of medium and advanced level
- € €3. Under problems in a very logical and systematic manner.
- € €4. Some essential information for the user the

## Table of Contents

**Foreword Acknowledgement Preface**

**Outcome Based Education**

**Course Outcomes Abbreviations and Symbols List of Figures Guidelines for Teachers Guidelines for**

**Students Unit 1:** Introductory Mechanics. **Unit 2:** Conservation Principles. **Unit 3:** Dynamics of Particles. **Unit 4:**

Oscillations. **Unit 5:** Rotational Motion. **Unit 6:** Dynamics of a Right Body. **Table of Physical Constants**

**Appendices Annexures References for Further learning CO and PO Attainment Table Index**



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

---

## Authors

---

**Prof. A. B. Bhattacharya**, Pro-Vice-Chancellor of JIS University, did his M. Sc. and Ph. D. degree in Physics from the University of Calcutta. He did his Post-doc from the Massachusetts Institute of Technology, USA and subsequently joined in the Department of Physics, Kalyani University. He has published 256 Research papers in high-impact Journals and over 150 proceeding papers in conferences. He has successfully guided 24 scholars for their Ph.D. and has written a large number of invited articles in many Journals. He is the author of 29 textbooks written for engineering and science students and also for general readers from many reputed publishers like Infinity Science Press, Taylor & Francis, etc. International Institute of Success Awareness honored him with their most coveted Institutional and globally reputed “Glory of India Gold Medal” for remarkable contributions to India’s national prestige. He is a Life Fellow of the Institution of Electronics and Telecommunication Engineers. **Dr. Atanu Nag** did his M. Sc. in 2007 and Ph. D. in 2013 from the University of Kalyani. He has published over 50 Journal papers and 5 books for Science & Engineering students. Presently he is the Head and Associate Professor in the Department of Physics, Modern Institute of Engineering & Technology, Hooghly, West Bengal.

---

