

## Fluid Mechanics

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| <b>Author :</b>         | Pradnya R. Dixit   |
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## Product Description

**Fluid Mechanics** This book familiarizes the students to different domains of fluid Mechanics. This book includes fundamentals of fluid mechanics in total of six units as properties of fluids, fluid statics, buoyancy and flotation, fluid kinematics, fluid dynamics and dimensional analysis. Main purpose of this book is to help under graduate civil engineering students to understand and apply the basics of fluid mechanics to applications in engineering problems. The content of this book is aligned with the model curriculum of AICTE followed by concept of outcome-based education as per National Education Policy (NEP)2020. **Salient Features:**

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.



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Foreword Acknowledgement Preface Outcome Based Education Course Outcomes Guidelines For Teachers Guidelines For Students List Of Figures

- Properties of fluids
- Fluids statics
- Buoyancy and flotation
- Fluid kinematics
- Fluid dynamics
- Dimensional analysis

References and Suggested Readings CO-PO Attainment Table Index Laboratory Experiments

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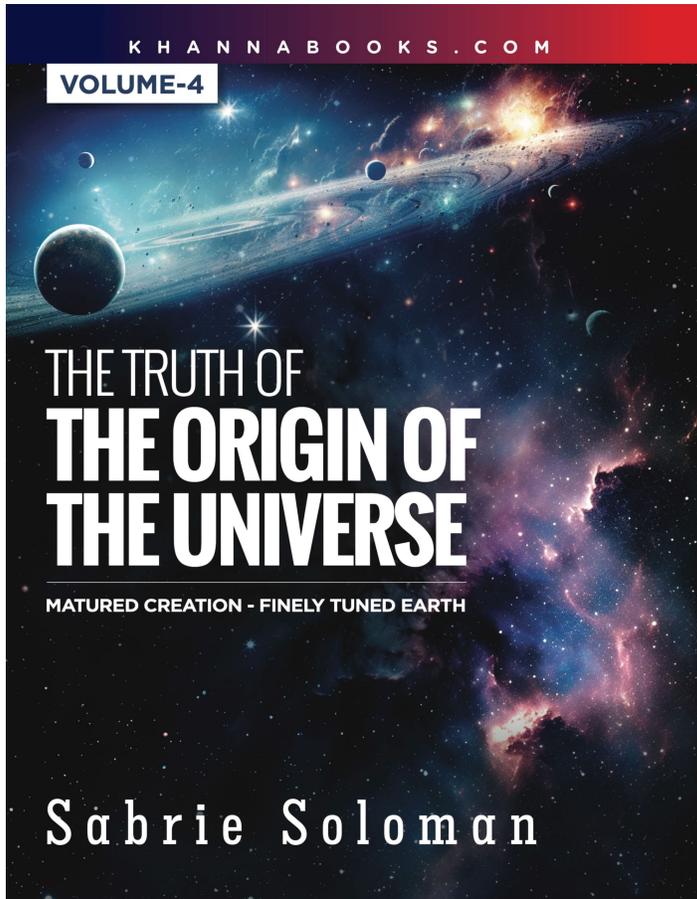
## Author

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**Dr. Shreenivas N. Londhe** Professor, Department of Civil Engineering Vishwakarma Institute of Information Technology, Pune **Dr. Pradnya R. Dixit** Associate Professor, Department of Civil Engineering Vishwakarma Institute of Information Technology, Pune

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## The Truth of The Origin of The Universe (Matured Creation-Finely Tuned Earth) Volume-4

|                         |   |
|-------------------------|---|
| <b>Author :</b>         | Sabrie Soloman                          |
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## Product Description

**Fully Matured Universe and Finely Tuned Earth.** The concept of a matured creation and a finely tuned Earth is a fascinating topic that has sparked much debate in the realms of science, religion, and philosophy. Proponents of this idea argue that the universe and the Earth were created in a state of maturity and perfection, with all the necessary conditions for life to thrive. One of the key arguments for a matured creation is the idea of fine-tuning in the universe. This concept suggests that the fundamental physical constants and laws of nature are precisely calibrated to allow for the existence of life as we know it. For example, if the strength of gravity or the electromagnetic force were even slightly different, life as we know it would not be possible. This level of precision has led some to suggest that a higher power must have orchestrated the creation of the universe with the express purpose of allowing life to flourish on Earth. Moreover, the Earth itself is viewed as a finely tuned machine that provides the perfect conditions for life. From the composition of the atmosphere to the distance of our planet from the sun, everything seems to be finely calibrated to allow for the existence living organisms. The intricate ecosystems that exist on Earth further demonstrate complexity and harmony of this finely tuned planet. **Chapters Covered in This Book:** 1. Young Universe –Young Earth. 2. Earth’s Magnetic Field – Earth Age. 3. Life in a finely Tuned Cosmos. 4. The entity of the Creator. 5. Uranus and Neptune are young planets. 6. 101 Evidence for a young Earth. 7. Isaac newton’s Recognition of the Creator.

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## Author

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Dr. Sabrie Soloman, Ph.D, Sc.D., MBA, PE- he is the Chairman & CEO of American Senso Rx, Inc., USA; Founder of Advanced manufacturing Technology Post Graduate Studies at Columbia University, NY, USA; Professor of Advanced Technology at Columbia University Dr. Soloman Authored numbers of technical books published and translated worldwide: Sensors Handbook (2 Editions, Sensors and Control Systems in Manufacturing (2 edition); Affordable Automation; introduction to Electromechanical Engineering; Modern Welding Technology; 3D Printing Technology ; 3D Bioprinting Technology & Design to name a few. Dr. Soloman holds numerous patents, Technical Awards, and several US Product Registrations. Dr. Soloman is considered an international authority on advanced manufacturing technology, robotics, biomedical engineering, pharmaceuticals, and automation in the microelectronic, automotive, beef, pork, poultry industries. He has been and continue to be instrumental in developing and implementing several industrial and modernization programs through the United Nations to Europe, Asia and African Countries. He is the first to introduce and implement unmanned flexible synchronous/asynchronous manufacturing systems in the microelectronic and the meat industries, and the first to incorporate advanced vision technology in wide array of robot/ microrobot manipulators. Dr. Soloman was selected to deliver the Us presidential closing address “innovative Remote Sensors Technology”, at the universal Design Conference”, New York, USA. Dr. Soloman was the President of the International Christian Union at New Castle-Upon-Tyne University. He debated the “Origin of the Universe” before numerous attendees presenting his case against intellectuals and proponents of Big Bang’s Singularity in Great Britain.

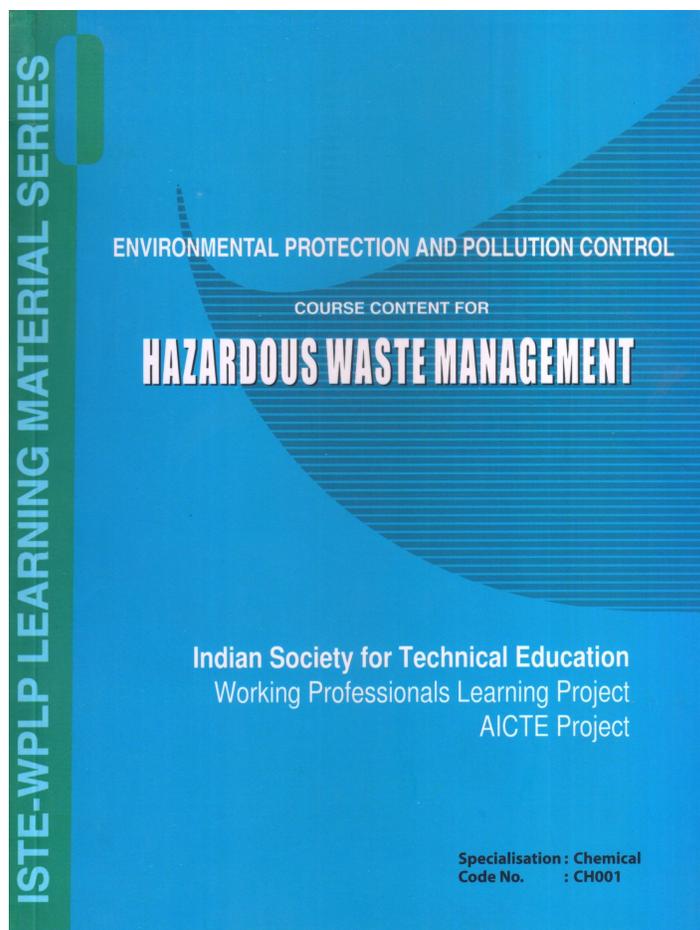
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## Hazardous Waste Management

|                         |   |
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| <b>Author :</b>         | G. V. Gore  |
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### Product Description

Environmental control is basically concerned with providing clean air and water, Since 1950's this concern has expanded into a wide range of activities, needing to find long lasting solutions for problems of global implications. One such topic is, Hazardous Waste Management. Typical solution to this problem involves, Monitoring, Treatment, Safe handling and Development of Control Technology. Thus, a new breed of scientists and technologists capable of dealing with transport, management and disposal of hazardous wastes is the need of hour. Hazardous Waste Management problems are essentially divided into Management of currently generated wastes and pre-existing dump sites. Both these options have created a demand for trained Professional and Technologists to assess, monitor, design and implement suitable techniques for Hazardous Waste and Control. This module aims to fulfill this need.



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**FOREWORD PREFACE Chapter 1:** An Introduction of Hazardous Waste. **Chapter 2:** Generation, Classification And Contentious. Issues Of Hazardous Wastes **Chapter 3:** Analysis Aspects Of Hazardous Compounds. **Chapter 4:** Physical And Chemical Treatment Of Hazardous Wastes. **Chapter 5:** Thermal And Biological Processes. **Chapter 6:** Storage, Transport Processes, Maintenance Of Hazardous Wastes Dumps, Cost Estimation. **Chapter 7:** Assessment Of Exposure Potential, System Analysis for Regional Planning Of Management Options, Legal Aspects, Acts, Notifications And Future Trends.

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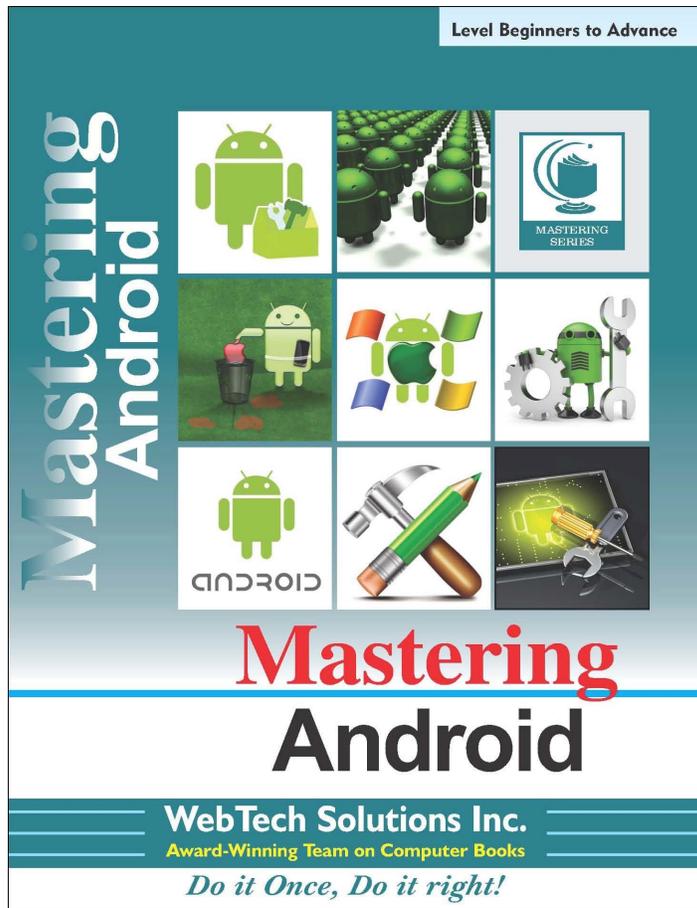
## Authors

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**Dr. J. R. Mudukavi** Principle Research Scientist Dept. of Chemical Engineering, Indian Institute of Science, Bangalore. **G. V. Gore** Consultant Eco Engineering, Bangalore.

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## Mastering Android

|                         |   |
|-------------------------|---|
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### Product Description

WebTech solutions Inc. is one of the pioneers of the technology industry. WebTech solution Inc. is a leading IT development company bringing the latest technologies in a short span of time. Its professional research team aims to deliver the latest information on the best way to analyze, develop, test, debug and tune best development skills including technical coding and theoretical concepts of IT. Its main aim is committed to excellence; excellence in its range and quality of publishing; excellence in dedication to its authors and excellence in the service it provides to the readers. By way of this book, Mastering PHP has become faster and easier as all the relevant information and step-by-step approach has been followed in simple plain English. It is designed very systemically and logically. The basic concepts have been taught in-depth with lots of examples and screen shots. A large number of unsolved as well as solved exercises have been included for the benefit of the readers.



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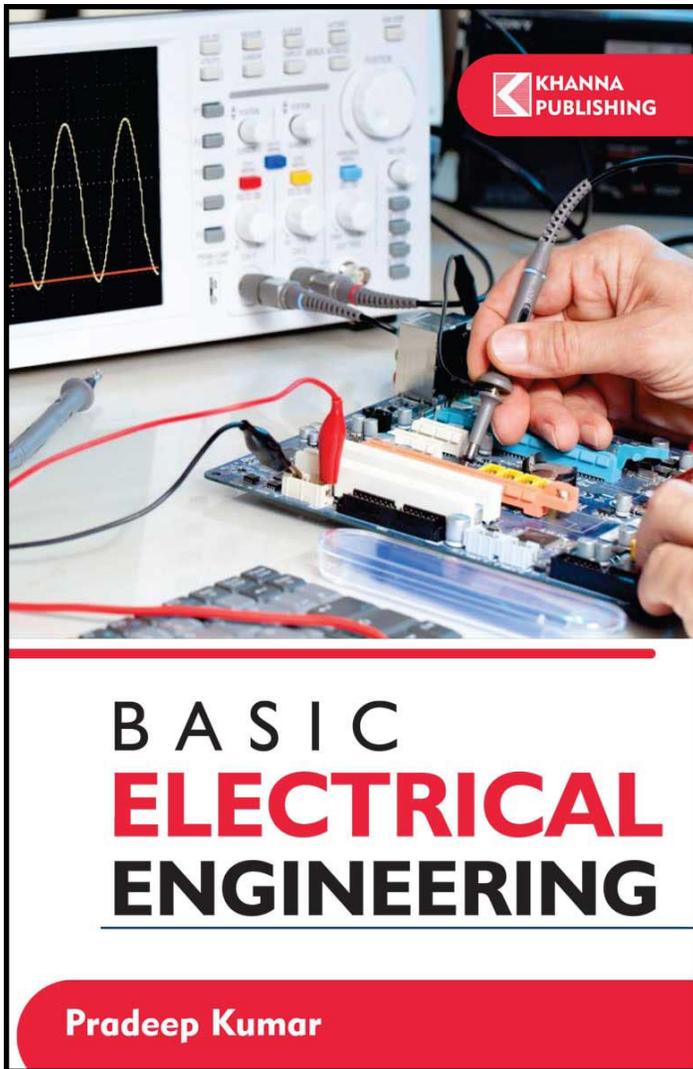
## Author

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## Basic Electrical Engineering

|                         |   |
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### Product Description

This book is intended to serve as a textbook for the B. Tech first year students which are common to all branches of engineering of the Uttar Pradesh Technical University (UPTU), Lucknow. This book includes the in-depth knowledge of network theorems, electric machines, and power systems. In this book the basic concepts, principles are clearly explained.

### Table of Contents

**Chapter 1:** Fundamental of Electric Circuits. **Chapter 2:** Network Theorem. **Chapter 3:** Steady State Analysis of Single Phase Ac Circuit. **Chapter 4:** Complex Number. **Chapter 5:** Three Phase System. **Chapter 6:** Magnetic Circuits. **Chapter 7:** Transformers. **Chapter 8:** Electric Machines. **Chapter 9:** Measuring Instruments.



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