Textbook of FLUID MECHANICS

Book · July 2024

CITATIONS
0

READS
616

2 authors:

Ajay Yadav
Nepal Engineering College
24 PUBLICATIONS **21** CITATIONS
SEE PROFILE

Sanjog Chhetri Sapkota
Sharda University
43 PUBLICATIONS **101** CITATIONS
SEE PROFILE

Er. Ajay Yadav

Er. Ajay Yadav (DEAN LIST) is a dedicated researcher and lecturer at Fast Track Engineering Institute and Eternal Academy. A consistently outstanding student, he earned the title of University Topper by achieving a perfect 4.0 SGPA in the Second and Third Year University Board Exams during his undergraduate studies. Ajay was awarded a merit-based full scholarship from Pokhara University to pursue his bachelor's degree and distinguished himself by receiving the prestigious Geo-tec Award for securing the highest marks in Soil Mechanics, Foundation Engineering, and Geology. Additionally, he actively participated in the B+NeSDG program, co-funded by the European Union. He has authored several textbooks, including "Hydropower," "Design of Steel and Timber," and "Fluid Mechanics", showcasing his dedication and expertise in engineering.

Er. Sanjog Chhetri Sapkota

Er. Sanjog Chhetri Sapkota is a civil engineering gold medalist from India. He is a PhD aspirant engaged in several interdisciplinary research projects and collaboration internationally. Beyond academia, Sanjog's entrepreneurial spirit and commitment to innovation are evident. He holds numerous design and innovation patents in India, a testament to his pioneering solutions in civil engineering. His research integrates advanced soft computing techniques like machine learning and deep learning to address several civil engineering problems, including liquefaction, prediction modeling of sustainable concrete, discharge modeling, and monitoring of structures using sensors. He has completed over 50 papers solving different existing civil engineering problems and is on the verge of publication in a reputed international journal.

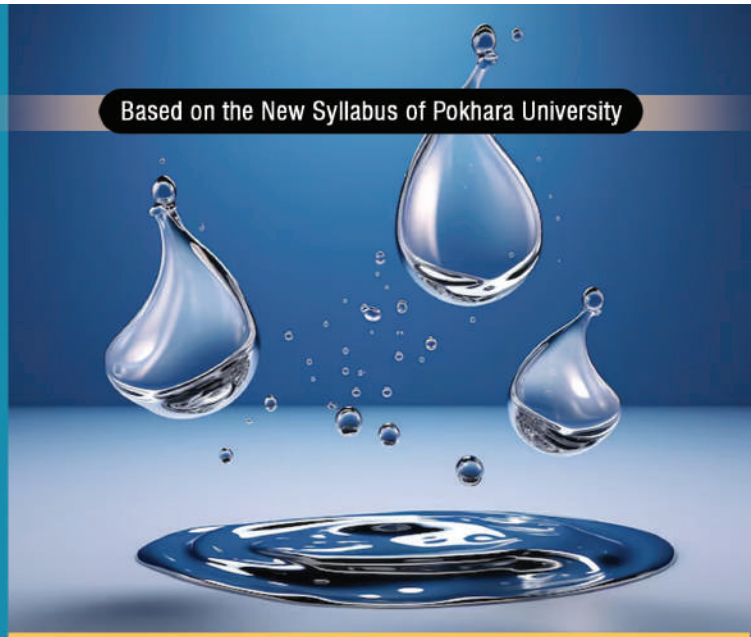
Distributor: Sugam Stationery Suppliers
Koteshwor, Kathmandu
Phone: 9841599592
E-mail: sugamstationery@gmail.com

9789937167536

Price Rs. 500/-

Textbook of **Fluid Mechanics**

Based on the New Syllabus of Pokhara University



Textbook of

FLUID MECHANICS

For **BE Civil, Civil and Rural and Diploma Holders**

Er. Ajay Yadav Er. Sanjog Chhetri Sapkota

A Text Book of

FLUID MECHANICS

Bachelor of Engineering

II Year / I Part

Authors

Er. Ajay Yadav

Er. Sanjog Chhetri Sapkota

Sincerely Thanks To

Er. Swostika Shrestha **Er. Sumit Paudel**

Er. Tushar Singh **Er. Dipak Dahal**

Distributor

Sugam Stationary Suppliers

Koteshwor, Kathmandu

Phone: 9841599592

Book: Fluid Mechanics
Bachelor of Engineering
II Year / I Part

Authors

Er. Ajay Yadav

Gmail: ajayy018804@nec.edu.np

Face book: yadavajay52@yahoo.com

Contact Number: 9845751227, 9823487956

Er. Sanjog Chhetri Sapkota

Gmail: sanjogchhetrisapkota@gmail.com

Distributor

Sugam Stationary Suppliers

Koteshwor, Kathmandu

Phone: 9841599592

Email: sugamstationery@gmail.com

First Edition : 2081/82

Price : Rs. 500.00

ISBN :

Printed in Nepal

...✍ Preface

FLUID MECHANICS is the backbone of the Civil Engineering. This book provides a succinct, yet rigorous coverage of **FLUID MECHANICS** and fulfills the requirement of student minimizing the time for searching different books in libraries. This book covers all the syllabi of this subject prescribed by **Pokhara University**. This book has been divided into eight Chapters. Each chapter starts with an introduction of subject matter, develops the theory, sufficient worked out examples and PoU past question solution has been included in this book to fulfill entire need of readers. The subject matter has been presented in the simple unambiguous language which is easy to comprehend.

Any suggestion for the improvement of this book will be thankfully acknowledge and incorporated.

May, 2024

Er. Ajay Yadav

Er. Sanjog Chhetri Sapkota

Dedicated

To

My Parents

Shree Ram Prasad Yadav

&

Nirmala Devi Yadav

Table of Contents