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The Basics. If you want to know about what is mechanical engineering you can read an article written by Hareesh (Managing Editor of this Channel) by clicking here, as I will not go into those details again just to avoid repetition. Neither will I bore you with lots of theoretical stuff, but will take you straight to the Temple of a mechanical engineer which is the workshop.

[Fundamentals of Mechanical Engineering](#)

Force produced by fluid pressure When an object is fully or partially immersed in a fluid, due to the pressure difference of the fluid between the top and bottom of the object, buoyant force acts on the object causing it to float The net upward buoyancy force is equal to the magnitude of the weight of fluid displaced by the body Buoyancy is important for boats, ships, balloons, and airships

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**BASICS OF MECHANICAL ENGINEERING**

Basics of Mechanical Engineering systematically develops the concepts and principles essential for understanding engineering thermodynamics, mechanics and strength of materials. This book is meant for first year B. Tech students of various technical universities. It will also be helpful for candidates preparing for various competitive examinations.

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Throughout the study of Engineering Mechanics the principles of three Newton's Laws of Motion are used invariably.

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Atmospheric Pressure, Gauge Pressure and Absolute Pressure. Measurement of Pressure. Total Pressure and ...