

ROBOT'S EYE VIEW OF FUN

Believe it, the future belongs to metal beings with artificial intelligence! This book will initiate you into the world of robots without making you go 'zzzz' along the way

ROBOTICS education is envisioned by students as a new area of cutting-edge scientific research in India as well as across the globe. Students find robotics highly attractive as it gives them encouragement to create new gadgets and devices of the future.

With a wide range of books in the market, which touch the technical aspects of Robotics very nicely, RoCK-BEE comes as a breather for those who are burdened with highly technical data of the subject matter.

The title, RoCK-BEE, is befitting the content — which happens to be trendy. Students sometimes become bewildered when they read about sensors, kinematics, dynamics and other mathematical calculations, so much so that they get misled by the aim of studying this wonderful subject (thanks to our pressure-builder education system). So, it is highly imperative for students to know about joy of learning, and the enjoyment of robotics as a research area. For that matter, any subject should be learnt with joy. RoCK-BEE puts the most technical subject of the present time in a very trendy and delicate way, and hence the title completely suits its content.

RoCK-BEE stands for Robotics Competition Knowledge Based Education in Engineering. It is a book about learning through experiments. The story unfolds with the inspiration of a true teacher, Arun Mitra, who guides his students in making robots for National Doordar-

shan-ROBOCON competitions. But he faces problems with Abhijeet Rathore and Danvir Singh, who are always fighting with each other despite working as opposition sub-team leaders in the same team. The cute and plump Vyom is a darling, who always invites problems for his plight, but Kishore is the saviour he relies upon. There are others experienced bullish seniors, including Jainesh, Ripudaman and Sanchit. Will Professor Mitra be able to guide a bunch of students who are not ready to gel into one team? Will Abhijeet and Danvir ever halt their cold

war and make up? Or will they remain permanent enemies? What happens in the Robocon final? Will this team ever reach the finals? What is the vision of Professor Mitra in handling unpolished roboticist? To know all this, one

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must read RoCK-BEE.

RoCK-BEE is for people who

want to know, how to learn in life. It tells about the values of life, learning concepts, importance of teachers and it makes one understand that there is a zing about life that has to be enjoyed in whatever condition one may be in. It is not only about Robotics -- it is about

the passion of following one's dreams. It is about believing in yourself and knowing that whatever you are doing is great work. It is about telling yourself that "I am not doing anything to prove anything to the world, but I am doing things because I love to do it". RoCK-BEE comes with a simple message — "All that is needed to do great work is to do what you love."

RoCK-BEE was released by Senior Director of Mumbai Doordarshan Lakshemendra Chopra and Executive President of Maharashtra Academy of Engineering and Education Research Vishwanath Karad at Pune during DD-Robocon, on March 06, 2010. The book is available online for all robot enthusiasts for Rs 250.

Manish Chauhan authored RoCK-BEE in his second-year masters in 'Design of Mechanical Equipment' at IIT Delhi. He successfully completed his Masters in 2010 with his Master's thesis being awarded with 'Padamshri M M Suri Award for Best Student Hardware Project' at IIT Delhi.

Subir Kumar Saha is a professor at IIT Delhi and mentor of the Robotics Club since 2002. Professor Saha has written three technical books — *Robotics* by IGNOU (Indira Gandhi National Open University); *Introduction to Robotics* by Tata McGraw-Hill (the Spanish version is available in Mexico), and *Dynamics and Balancing of Multibody Systems*, co-authored with Himanshu Chaudhary and published by Springer, Germany.

