

"ROBOTICS ENGINEERING"

A Course Based on LEGO Mindstorms & TETRIX system



ABOUT THE COURSE

Experience the real fun of Engineering with Hands-On and Minds on Learning using state of the art Robotics systems. NMIT is the only institute in the Country to offer this Course. Here are the few learning outcomes of the Course

- Learn the fundamentals of Mechanical Design, Synthesis & Analysis
- Interface various forms of Sensors & Develop a Smart Robotic Systems
- Develop various forms of control behavior for the Robot
- Learn the Coding Skills & Develop RobotC Programs, See your robot interact with real world
- Solve Complex Open-Ended Engineering Challenges with the help of Mechanical, Control & Coding Skills acquired during the Course.

Some of the prominent foreign universities offering freshman course on Robotics using LEGO Mindstorm & TETRIX system:



Massachusetts
Institute of
Technology



STANFORD
UNIVERSITY



Cornell University



UNIVERSITY OF
CAMBRIDGE



UNIVERSITÄT
MANNHEIM



東京大学
THE UNIVERSITY OF TOKYO



THE UNIVERSITY OF
MELBOURNE



PRINCETON
UNIVERSITY

Course Title	Robotics Engineering-LEGO Mindstorm & TETRIX
Course Code	18CSO39/49
Nature of the Course	Open Elective
Credits	3
Course Offered by	Centre for Robotics Research, NMIT
Selection Process: Based on Merit Only	<ul style="list-style-type: none"> • Selection to Course via Robotics LEGO Entrance Test [ROLET] • Selection is based on Student Performance in ROLET and Previous Academic Performance
Intake	96 Students per Annum (48 Students per Semester)
Course Open for Branches	UG Programs of : AE, CSE, Civil, ISE, EEE, ECE & MECH
Course Offered for	3 rd Semester Students Only
Eligibility for Registrations to ROLET	<ul style="list-style-type: none"> • Minimum 60% Pass Percentage in SSLC and PUC/DIPLOMA • Minimum CGPA of 7 (Till 3rd Semester)
Registration Link	https://forms.gle/uaRdws3Snge6BrxWA
Nature of the ROLET	Online Test- Questions from 1 st Year BE Courses
Syllabus for ROLET	Elements of Mechanical, Electrical & Electronics, C Programming, Physics, Mathematics, Logical Reasoning, Aptitude & General Knowledge

KINDLY NOTE:

Students who take up this course in 2nd Year can either drop ONE Open Elective Course in higher semester or take up those courses as Value Added Course



IMPORTANT DATES

Registrations Open for CRR-ROLET AY 2020-21	09-02-2021
Last Date for Registration	15-02-2021
Confirmation of the Registration	17-02-2021
CRR-ROLET 2020-21 Test	20-02-2021

SCAN HERE FOR REGISTRATION



OR

**CLICK HERE
TO REGISTER**



For Any Queries, Kindly Contact