

Pre-Engineering Bootcamp



Demonstrations:

- Programming - Python
- Web development - HTML , PHP
- Data Structures - Mysql
- Machine Learning - Object Recognition
- Digital Circuit - Smart Switch
- Analog Circuit - Automatic Night Light
- Microcontroller - Home Automation
- PCB Designing
- CAD Designing
- 3D Printing
- Robotic Arm
- AC Lines
- Motor: DC, AC, Servo, Stepper, BLDC
- Switch Gears
- Renewable Energy

- ★ Prepare the students to choose the right field of interest
- ★ Carefully designed by Real Engineering experts
- ★ Exclusively Designed for 10th, 11th and 12th Standard Students.
- ★ 14 days - 4 branches Covered
- ★ Computer Science Engineering
- ★ Electronics & Communication Engineering
- ★ Mechanical Engineering
- ★ Electrical Engineering
- ★ Application based demonstrations
- ★ Perfect blend of live demonstration with knowledge based theory
- ★ Instant Doubts solving
- ★ Digital Certification by Makxenia
- ★ Access to relevant materials
- ★ Counselling Round choice selection tricks
- ★ Career Option in each branch

Course Content

Day 1: Introduction to Engineering. Myths and Facts about engineering. Colleges and their Ranking, IITs vs NITs vs CGOEs, Private Colleges. Branch selection tips and tricks. First Year common curriculum,

Day 2: Computer Science Engineering : Introduction , Course and Curriculum. Introduction to each course and what will be the outcome.

Day 3: Computer Science Engineering : Programming Practicals, Insight into Web Development, Data Structures, Recent Trends of AI & ML

Day 4: Computer Science Engineering : Career options, Internships, Masters and Post graduations, Advantages and Disadvantages.

Day 5: Electronics Engineering : Introduction , Electronics Engineering Variants, Course and Curriculum. Introduction to each course and what will be the outcome.

Day 6: Electronics Engineering : Circuits, Analog and Digital, Embedded Systems, Programming Microcontrollers, recent trends in Electronics, ARM, Nano tech, VLSI, Embedded, IoT

Day 7: Electronics Engineering : Career options, Internships, Masters and Post graduations, Advantages and Disadvantages.

Day 8: Mechanical Engineering : Introduction, Course and Curriculum. Introduction to each course and what will be the outcome.

Day 9: Mechanical Engineering : Cad Design, Robotics, Flexible Manufacturing System, 3D printing CNC

Day 10: Mechanical Engineering : Career options, Internships, Masters and Post graduations., Advantages and Disadvantages.

Day 11: Electrical Engineering : Introduction, and it's variants Course and Curriculum. Introduction to each course and what will be the outcome.

Day 12: Electrical Engineering : Current and Voltages, Electrical Networks, Motors, Switch Gears, smart grid

Day 13: Electrical Engineering : Career options, Internships, Masters and Post graduations., Advantages and Disadvantages.

Day 14: Engineering Final Overview, Taking best out of the 4 years of engineering, Career Options in general and Tips, GATE, M.Tech, M.S. Private Jobs, Govt Jobs, Entrepreneurship