



Annexure

Honor subjects offered by the department of Mechanical Engineering (R20)

1. Honor subjects:

POOL 1 (III Year- I Sem)

- i. Micro-Electro Mechanical Systems (MEMS)
- ii. Quality engineering and management
- iii. Composite materials
- iv. Smart Manufacturing.

POOL 2 (III Year - II Sem)

- i. Fuels and Combustion Thermodynamics
- ii. Reliability Engineering
- iii. Inventory control and supply chain management
- iv. Mechanical Vibrations

POOL 3 (IV Year- I Sem)

- i. Design for Manufacturing & Assembly
- ii. Vehicle Dynamics
- iii. Introduction to Fracture Mechanics
- iv. Advanced Fluid Mechanics

POOL 4 (IV Year - II Sem)

- i. Computational Fluid Dynamics
- ii. Machine Tool Design
- iii. Concurrent Engineering
- iv. Autonomous Vehicles

Prof. B NagaRaju
Chairman BOS.



**Minor subjects offered by the department of Mechanical Engineering (R20)
for other departments**

1. Generalized Minor subjects:

- i. Elements of Mechanical Engineering
- ii. Principles of Manufacturing processes
- iii. Fundamentals of Mechanical Design
- iv. Operations Research
- v. Automobile Engineering
- vi. Waste to energy conversion

2. Specialized minor in Robotics:

- i. Principles of Robotics
- ii. Robot Kinematics
- iii. Elements of Mechatronics
- iv. Pneumatics and Hydraulics
- v. Machine Vision Systems
- vi. Autonomous Vehicles

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