

Scheme of Instruction & Scheme of Examination
(Subjected to the approval of Osmania University, Hyderabad)

**Bachelor of Engineering (Mechanical Engineering)
with Honours Degree in Robotics**

Applicable for the students to be admitted in A.Y. 2020-21 (R-20)



**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS) HYDERABAD
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-20)
 (Subjected to the approval of Osmania University, Hyderabad)

B.E. (MECH) Honors Degree Program in Robotics (2020-2021)

| B.E (MECH) Honors Degree in Robotics | | | | | | | | |
|---|---|-----------------------|----------|----------|-----------------------|---------------|------------|-----------|
| S.No. | Name of the Course | Scheme of Instruction | | | Scheme of Examination | | | Credits |
| | | Hours per Week | | | Duration in Hrs | Maximum Marks | | |
| | | L | T | P | | SEE | CIE | |
| THEORY CUM PRACTICALS | | | | | | | | |
| 1. | Basics of Robotic Engineering (V-Semester) | 3 | - | - | 3 | 60 | 40 | 3 |
| 2. | Control Engineering (V-Semester) | 3 | - | - | 3 | 60 | 40 | 3 |
| 3. | Industry 4.0 (VI-Semester) | 3 | - | - | 3 | 60 | 40 | 3 |
| 4. | Robotics and Control (VII-Semester) | 3 | - | - | 3 | 60 | 40 | 3 |
| 5. | Robotics Lab (VII-Semester) | - | - | 2 | - | 50 | 30 | 1 |
| | TOTAL | 12 | 0 | 2 | | 290 | 190 | 13 |
| | GRAND TOTAL | 14 | | | | 480 | | 13 |
| 6. | MOOCs Course (Robotics related): 12 weeks durations | | | | (V or VI -Semester) | | | 3 |
| 7. | Minor Project | | | | (VI or VII -Semester) | | | 3 |
| | Total Credits: | | | | | | | 19 |