



## VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

IBRAHIMBAGH, HYDERABAD – 500 031

*ACCREDITED BY NAAC WITH 'A++' GRADE*

**For the attention of the students seeking admission under  
Category "A" (Convener Quota) & Category "B" (Management Quota)**

### Stream Based Open Electives for B.E. Programmes

Students who wish to join in the academic year 2026-2027 are hereby informed that they can pursue inter-disciplinary courses as open electives during their II and III year of study (Total Credits :11) . The following are the details of the stream based open electives offered:

Name of the Stream	III Semester (2 Credits)	IV Semester (3 Credits)	V Semester (3 Credits)	VI Semester (3 Credits)	Eligible Branches
<b>Artificial Intelligence &amp; Machine Learning (Offered by CSE)</b>	Programming essentials in Python	Mathematical computing for AI & ML with Python	Fundamentals of Artificial Intelligence	Fundamentals of Machine Learning	<b>Civil, ECE, EEE &amp; Mech.</b>
<b>Artificial Intelligence &amp; Machine Learning (Offered by IT)</b>	Computing using Python	Essentials of Mathematics for Machine learning using Python	Introduction to Artificial Intelligence	Introduction to Machine Learning	<b>Civil, ECE, EEE &amp; Mech.</b>
<b>Advanced Probability and Statistics (Offered by Mathematics)</b>	Number Theory and Boolean Algebra	Algebraic Structure	Theory of Estimation and Inference Theory	Advanced Probability & Statistical Methods	<b>CSE, CSE (AIML) &amp; IT</b>
<b>Robotics (Offered by Mechanical)</b>	Introduction to Industrial Robotics	Kinematics and Dynamics of Robotics	Drives and Control Systems for Robotics	Industry 4.0	<b>Civil, CSE (AIML) ECE, EEE &amp; IT</b>
<b>BFSI (Banking, Financial Services, and Insurance) (Offered by H&amp;SS)</b>	Financial Services	Fintech	Financial Analytics	Business Intelligence	<b>All Branches</b>
<b>Entrepreneurship course (Offered by H&amp;SS)</b>	Foundations of Entrepreneurship	Product Development and Validation	Startup Operations and Growth Strategies	Venture Launch and Investor Readiness	<b>All Branches</b>
<b>Management related Courses (Offered by H&amp;SS)</b>	Human Resource Management for Engineers	Finance Management for Engineers	Marketing Management for Engineers	Strategic Management for Engineers /Logistics and Supply Chain Management	<b>All Branches</b>
<b>Liberal Arts related Courses (Offered by H&amp;SS)</b>	Political Science	Sociology	Philosophy	Psychology	<b>All Branches</b>
<b>Communication Engineering Stream (Offered by ECE)</b>	Introduction to Signals and Systems	Modulation Theory and Techniques	Introduction to Communication Systems	Introduction to Wireless Communication Techniques	<b>CSE, CSE (AIML), EEE &amp; Mech.</b>

**Note: Students are allowed to choose only one stream, from among the above at the beginning of their III Semester.**

Principal