# Course Outcomes

## MSBTE prescribed syllabus, as per the Scheme ' I'

## Semester – I

| Abbreviation | Subject | Code |
|---|---|---|
| ENG | English | (22101) |

The theory, practical experiences and relevant soft skills associated with this course are to be taught and implemented, so that the student demonstrates the following industry oriented COS associated with the competency " Communicate in English in spoken and written form effectively ".

1) Formulate grammatically correct sentences.

2) Summarise comprehension passages

3) Compose dialogues and paragraphs for different situations.

4) Use relevant words as per context.

5) Deliver prepared speeches to express ideas, thoughts and emotions.

| BSC | Basic Physics & Basic Chemistry | (22102) |
|---|---|---|

The theory, practical experiences and relevant soft skills associated with this course are to be taught and implemented, so that the student demonstrates the following industry oriented COs associated with the competency " Solve broad-based engineering problems applying principles of physics and chemistry ".

1) Estimate errors in the measurement of physical quantities.

2) Apply the principles of electricity and magnetism to solve engineering problems.

3) Use the basic principles of heat and optics in related engineering applications.

4) Apply the catalysis process in industries.

5) Use corrosion preventive measures in industry.

6) Use relevant engineering materials in industry.

**BMS –**              **Basic Mathematics**                           **(22103)**

The theory, practical experiences and relevant soft skills associated with this course are to be taught and implemented, so that the student demonstrates the following industry oriented COs associated with the competency" Solve broad based technology problems using the principles of Basic Mathematics ".

1) Apply the concepts of algebra to solve engineering related problems.Developing the vocabulary.

2) Utilize basic concepts of trigonometry to solve elementary engineering problems.

3) Solve basic engineering problems under given conditions of straight lines.

4)  To Solve the problems based on measurement of regular closed figures and regular solids

5) Use basic concepts of statistics to solve engineering related problems.


**ICT –**               **Fundamentals of ICT**                        **(22001)**

The theory, practical experiences and relevant soft skills associated with this course are to be taught and implemented, so that the student demonstrates the following industry oriented COs associated with the competency "Use computers for internet services, electronic documentation, data analysis and slide presentation.

1) Use computer system and its peripherals.

2) Prepare business document using word processing tool.

3) Interpret data and represent it graphically using spreadsheet.

4)  Prepare professional presentations.

5) Use different types of web brousers.

**EGR–**              **Engineering Graphics ( CE/EE/ME )**              **(22002)**

The theory practical experiences and relevant soft skills associated with this course are to be taught and implemented so that the student demonstrates the following industry oriented COS associated with the competency "Prepare engineering drawing manually using prevailing drawing instruments ".

   1) Draw geometrical figures and engineering curves.

   2) Draw the views of given object using principles of orthographic projection. Draw isometric views of given component or from orthographic

projections.

3) Use drawing codes. conventions and symbols as per IS SP-46 in engineering drawing. Draw free hand sketches of given engineering elements.

4) Draw isometric views of given component or from orthographic projections.

**EGR–**          **Engineering Graphics ( CO/IF )**                    **(22003)**

The theory practical experiences and relevant soft skills associated with this course are to be taught and implemented, so that the student demonstrates the following industry oriented COs associated with the competency" Prepare engineering drawings manually using prevailing drawing instruments and computer aided drafting software".

1) Draw regular geometrical figures.

2) Use drawing codes, conventions and symbols as per IS SP-46 in engineering drawing.

3) Draw the views of given object using principles of orthographic projection.

4) Draw isometric views of given component or from orthographic projections.

5) Draw free hand sketches of given engineering elements.

6) Use computer aided drafting approach to create engineering drawings.