CO of 2nd Semester :

C109:

1. Students know about passage comprehension and vocabulary with synonyms and antonyms.
2. Knowledge on English grammer and improvement in writing skills.
3. Communication skill is improved with knowledge about professional and non verbal communications.

C110:

1. Students know basic chemistry of different materials used in industry.
2. Acquire knowledge on physical,inorganic,oraganic and industrial chemistry.
3. Students develop attitude to cope up with the continuous flow of new technology.

C111:

1. Understand the concept of Vector algebra, different types of vector products and its application to find the area of triangle and parallelogram.

2. Able to know functions & identify types of function. Know the concepts of Limit & continuity and apply this concept to solve the problem.

3. Learn the basics of Differentiation, methods to find derivatives of different functions and its application to find higher order & partial derivatives.

4. Know about fundamental of indefinite and definite integration, methods to integrate different kinds of function and its application to find the area under a curve.

5. Basic idea on differential equation and its solution.

C112:

1. Compute the force, moment & their application through solving of simple problems on coplanar forces.
2. Understand the concept of equilibrium of rigid bodies.
3. Know the existence of friction & its applications through solution of problems.
4. Locate the C.G. & find M.I. of different geometrical figures
5. Know the application of simple lifting machines and principles of dynamics.

C113:

1. To utilze the specific dimensions of communication skills i.e Reading, Writing, Listening, Thinking and Speaking.

2. To determine relevant technical style of communication and presentation at their workplace and to apply the same for academic uses.
3. Ability to write crisp resume and Job Application Letters employing appropriate language and Express the Engineering activites with effective presentation and report.

C114:

1. Knowledge about Preparations and focuses on the general properties (Chemical and physical) of different gases.
2. Ability to know the Strength of an unknown acids and bases. To perform sample testing in industries and also use data produced from the sample testing.
3. To understand the rationale and procedure ,separations for various cations and anions.

C115:

1. To demonstrate safety practice in various shops of the workshop.
2. To select suitable tools& equipments in following shops (a) Fitting (b) Sheet metal (c) Welding (Gas & Electrical) (d)Turning.
3. To select suitable materials for different process in the above shops.
4. To demonstrate the different processes adopted in the above shops.
5. To finish the jobs within stipulated time and with accuracy as per specifications

C116:

1. Acquire a brief or in-depth understanding on the latest developments/trends in the field of the science and technology.
2. Able to improve their communication skills (including written and oral communication), both in terms of presenting their own ideas and in understanding and discussing the ideas of others.
3. Develop the ability to find, evaluate, and use information from various sources, including academic journals, books, websites, and other reference materials.

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