

B-TECH Electronics & Communication Engineering

COURSE COU COMES

SEM 1-II

MATHEMATICS-I

CO 1:- write the matrix representation of a set of linear equations and to analyze the solution of the system of equations

CO 2:- find the Eigen values and Eigen vectors which come across under linear transformations

CO 3:- find the extreme values of functions of two variables with/ without constraints.●

CO 4:- Identify whether the given first order DE is exact or not●

CO 5:- solve higher order DE's and apply them for solving some real world problems

ENGINEERING CHEMISTRY

CO 1:- Students will gain the basic knowledge of electrochemical procedures related to corrosion and its control

CO 2:- They can understand the basic properties of water and its usage in domestic and industrial purposes

CO 3:- They learn the use of fundamental principles to make predictions about the general properties of materials.

CO 4:- They can predict potential applications of chemistry and practical utility in order to become good engineers and entrepreneurs.

ENGINEERING PHYSICS - I

CO 1:- Learn principle, working of various laser systems and light propagation

CO 2:- Learn principle, working of various laser systems and light propagation through optical fibers.

CO 3:- Distinguish various crystal systems and understand atomic packing factor.

CO 4:- Know the various defects in crystals.

PROFESSIONAL COMMUNICATION IN ENGLISH

CO 1:- Use English Language effectively in spoken and written forms.

CO 2:- Comprehend the given texts and respond appropriately.

CO 3:- Communicate confidently in formal and informal contexts.

ENGINEERING MECHANICS

CO 1:- To understand the resolving forces and moments for a given force system

CO 2:- To analyze the types of friction for moving bodies and problems related to friction.

CO 3:- To determine the centroid and second moment of area

BEEE

CO 1:- To analyze and solve problems of electrical circuits using network laws and theorems.

CO 2:- To identify and characterize diodes and various types of transistors

ENGLISH LANGUAGE COMMUNICATION SKILLS (ELCS) LAB

CO 1:- Better understanding of nuances of English language through audio- visual experience and group activities

CO 2:- Neutralization of accent for intelligibility

CO 3:- Speaking skills with clarity and confidence which in turn enhances their employability skills.

ENGINEERING WORKSHOP

CO 1:- Study and practice on machine tools and their operations

CO 2:- Practice on manufacturing of components using workshop trades including plumbing, fitting, carpentry, foundry, house wiring and welding

CO 3:- Identify and apply suitable tools for different trades of Engineering processes including drilling, material removing, measuring, chiseling.

CO 4:- Apply basic electrical engineering knowledge for house wiring practice.