

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY  
UTTAR PRADESH, LUCKNOW



EVALUATION SCHEME & SYLLABUS

FOR

OPEN ELECTIVES LIST

AS PER

AICTE MODEL CURRICULUM

[Effective from the Session: 2020-21 & 2021-22]

Note:

1. The Student shall choose an open Elective from the list in such a manner that he/she has not studied the same course in any form during the degree programme.
2. \* It is mandatory that for these subjects (KOE069, KOE076, KOE087, KOE097 & KOE098) only Trained Faculty (who had done the FDP for these courses) will teach the courses.

**B.Tech. VI Semester (2020-21)****OPEN ELECTIVE-I**

KOE060	IDEA TO BUSINESS MODEL
KOE061	REAL TIME SYSTEMS
KOE062	EMBEDDED SYSTEM
KOE063	INTRODUCTION TO MEMS
KOE064	OBJECT ORIENTED PROGRAMMING
KOE065	COMPUTER BASED NUMERICAL TECHNIQUES
KOE066	GIS & REMOTE SENSING
KOE067	BASICS OF DATA BASE MANAGEMENT SYSTEM
KOE068	SOFTWARE PROJECT MANAGEMENT
KOE069	UNDERSTANDING THE HUMAN BEING COMPREHENSIVELY- HUMAN ASPIRATIONS AND ITS FULFILLMENT

**B.Tech. VII Semester (2021-22)****OPEN ELECTIVE-II**

KOE-071	FILTER DESIGN
KOE-072	INTRODUCTION TO BIOTECHNOLOGY
KOE-073	MACHINE LEARNING
KOE-074	NON CONVENTIONAL ENERGY RESOURCES
KOE-075	OPERATIONS RESEARCH
KOE-076	VALUE RELATIONSHIP & ETHICAL HUMAN CONDUCT- FOR A HAPPY & HARMONIOUS SOCIETY

**B.Tech. VIII Semester (2021-22)****OPEN ELECTIVE -III**

KOE-081	CLOUD COMPUTING
KOE-082	BIO MEDICAL SIGNAL PROCESSING
KOE-083	ENTREPRENEURSHIP DEVELOPMENT
KOE-084	INTRODUCTION TO SMART GRID
KOE-085	QUALITY MANAGEMENT
KOE-086	INDUSTRIAL OPTIMIZATION TECHNIQUES
KOE-087	HUMAN VALUES IN MADHYASTH DARSHAN

**OPEN ELECTIVE -IV**

KOE-091	AUTOMATION AND ROBOTICS
KOE-092	COMPUTERIZED PROCESS CONTROL
KOE-093	DATABASE MANAGEMENT SYSTEM AND DATA MINING AND WAREHOUSING
KOE-094	DIGITAL AND SOCIAL MEDIA MARKETING
KOE-095	MODELING OF FIELD-EFFECT NANO DEVICES
KOE-096	MODELLING AND SIMULATION OF DYNAMIC SYSTEMS
KOE-097	HUMAN VALUES IN BUDDHA AND JAIN DARSHAN
KOE-098	HUMAN VALUES IN SANKHAY YOGA AND VEDANTA DARSAN