



KDK College of Engineering, Nagpur 440024

Scheme and Syllabus for
Bachelor of Technology (Electronics and Telecommunication Engineering)

Submitted by
Board of Studies in Electronics and Telecommunication Engineering

2024-25

B.Tech. Sem-II (Electronics and Telecommunication Engineering -Major)

S N	Course Category	Course Code	Name of Course	BoS	Teaching Scheme (hrs.)			Total Credit	Examination Scheme					
					Theory				Practical					
					(Th)	TU	P		Exam Hrs.	MSE	CA	ESE	CA	ESE
1	BSC-III	2BET01T	Applied Mathematics-II	ASH	3	1	-	4	3	30	20	50	-	-
2	BSC-IV	2BET02T	Applied Chemistry	ASH	3	-	-	3	3	30	20	50	-	-
3	BSC-IV	2BET02P	Applied Chemistry Lab	ASH	-	-	2	1	-	-	-	-	25	25
4	ESC-III	2BET03T	Object Oriented Programming	ETC	3	-	-	3	3	30	20	50	-	-
5	ESC-III	2BET03P	Object Oriented Programming Lab	ETC	-	-	2	1	-	-	-	-	25	25
6	PCC-1	2BET04T	Digital Electronics Design	ETC	2	-	-	2	2	15	10	25	-	-
7	IKS-I	2BIK01T	Refer IKS Basket	ASH	2	-	-	2	2	15	10	25	-	-
8	SEC-I	2BSE01P	Refer SEC Basket	ETC	-	-	4	2	-	-	-	-	50	50
9	CC-II	2BCC01P	Refer CC Basket	ASH	-	-	4	2	-	-	-	-	50	50
Total					13	1	12	20	-	120	80	200	200	100
Total Marks (Theory & Practical)										400			300	
Total Marks (II Semester)										700				

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Change

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COURSE CODE				
SEM	B.Tech.	Branch	Subject S.N.	T/P
1	B	ET	01	T

Exit option: Award of UG Certificate in Major with 40 credits and an additional 8 credits (see Exit Courses) in skill-based courses, internship, mini projects etc.

B.Tech. in Electronics and Telecommunication Engineering (Exit Level I)
 Offline/Online (ESSC-India / NSQF skill) Certification Course as below
 (Additional 8 Credits)

SN	Course Category	Course Code	Name of Course	BoS	Teaching Scheme (hrs.)			Total Credit	Examination Scheme					
									Theory				Practical	
					(Th)	TU	P		Exam Hrs.	MSE	CA	ESE	CA	ESE
1	Exit Course	ETEXT01P	Electronic Sensors for Industrial applications Lab	ETC	-	-	2	1	-	-	-	-	25	25
2	Exit Course	ETEXT02P	Microcontroller and Applications Lab	ETC	-	-	2	1	-	-	-	-	25	25
3	Exit Course	ETEXT03P	Internship	ETC	-	-	-	6	-	-	-	-	-	200
Total					-	-	4	8	-	-	-	-	50	250
Total Marks (Exit Courses)										300				

EXIT COURSE CODE			
Branch	EXIT	Subject S.N.	T/P
ET	EXT	01	T

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PRINCIPAL
 K.D.X.COLLEGE OF ENGG.
 NAGPUR-21



**4-Years Bachelor's degree (B.Tech.) in Engg. /Tech. with
Multidisciplinary Minor**

LIST OF INDIAN KNOWLEDGE SYSTEM COURSES (IKS)

S. N.	Course Code	Course Name
1	1BIK01T-A / 2BIK01T-A	Indian Knowledge System
2	1BIK01T-B / 2BIK01T-B	Consciousness Studies
3	1BIK01T-C / 2BIK01T-C	Preserving Art, Culture and Tradition
4	1BIK01T-D / 2BIK01T-D	Wellness, traditional medicines and yoga
5	1BIK01T-E / 2BIK01T-E	Glimpses of ancient Science and Technology
6	1BIK01T-F / 2BIK01T-F	Foundation literature of Indian civilization

LIST OF CO-CURRICULAR COURSES (CC1 & CC2)

S. N.	Course Code	Course Name
1	1BCC01P-A / 2BCC01P-A	Yoga/ Sports Recreation
2	1BCC01P-B / 2BCC01P-B	Fundamentals of Indian Classical Dance: Kathak
3	1BCC01P-C / 2BCC01P-C	Music
4	1BCC01P-D / 2BCC01P-D	Chess
5	1BCC01P-E / 2BCC01P-E	Introduction to Language and Culture – Japanese/ Spanish/ German
6	1BCC01P-F / 2BCC01P-F	Basics of Vedic Maths
7	1BCC01P-G / 2BCC01P-G	Self-defense Essentials and Basics
8	1BCC01P-H / 2BCC01P-H	Basket Ball
9	1BCC01P-I / 2BCC01P-I	Athletics
10	1BCC01P-J / 2BCC01P-J	Painting

LIST OF ABILITY ENHANCEMENT COURSES (AEC) OFFERED

S. N.	Course Code	Course Name
1	1BAE01T-A / 2BAE01T-A	Professional Communication
2	1BAE01T-B / 2BAE01T-B	Business Communication Skill
3	1BAE01T-C / 2BAE01T-C	English for Professional Aptitude

Note: IKS, CC and AEC courses are offered by Applied Science Board and Humanities

LIST OF SKILL ENHANCEMENT COURSES (SEC)

(Electronics & Telecommunication Engineering)

Offered by Departmental BOS

S. N.	Course Code	BoS	Course Name
1	2BSE01P-A	ETC	Electronic Workshop-II
2	2BSE01P-B	ETC	Digital Marketing
3	2BSE01P-C	ETC	Web Design Technology

			June 2024	1.00	Applicable for AY 2024-25 onwards
Chairman, BoS	Dean (Acad.)	Principal	Date of release	Version	

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NAGPUR-24.

