



**Teaching & Examination Scheme**  
**B.Tech. : Electronics & Communication Engineering**  
**2<sup>nd</sup> Year - III Semester**

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	3EC2-01	Advanced Engineering Mathematics-I	3	0	0	3	30	120	150	3
2	HSMC	3EC1-02/ 3EC1-03	Technical Communication/Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3	PCC	3EC4-04	Digital System Design	3	0	0	3	30	120	150	3
4		3EC4-05	Signal & Systems	3	0	0	3	30	120	150	3
5		3EC4-06	Network Theory	3	1	0	3	40	160	200	4
6		3EC4-07	Electronics Devices	3	1	0	3	40	160	200	4
			<b>Sub Total</b>	17	2	0		190	760	950	19
PRACTICAL & SESSIONAL											
8	PCC	3EC4-21	Electronics Devices Lab	0	0	2		30	20	50	1
9		3EC4-22	Digital System Design Lab	0	0	2		30	20	50	1
10		3EC4-23	Signal Processing Lab	0	0	2		30	20	50	1
11	ESC	3EC3-24	Computer Programming Lab-I	0	0	2		30	20	50	1
13	PSIT	3EC7-30	Industrial Training	0	0	1				50	1
14	SODE CA	3EC8-00	Social Outreach, Discipline & Extra Curricular Activities							25	0.5
			<b>Sub- Total</b>	0	0	9		120	80	275	5.5
			<b>TOTAL OF III SEMESTER</b>	17	2	9		310	840	1225	24.5

**L:** Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

**ETE:** End Term Exam, **IA:** Internal Assessment



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## SYLLABUS

II Year - III Semester: B.Tech. (Electronics & Communication Engineering)

### 3EC1-02/4EC1-02: Technical Communication

2 Credit

2L:0T:0P

Max. Marks: 100 (IA:20, ETE:80)

End Term Exam: 2 Hours

SN	Contents	Hours
1	<b>Introduction to Technical Communication-</b> Definition of technical communication, Aspects of technical communication, forms of technical communication, importance of technical communication, technical communication skills (Listening, speaking, writing, reading writing), linguistic ability, style in technical communication.	4
2	<b>Comprehension of Technical Materials/Texts and Information Design &amp; development-</b> Reading of technical texts, Reading and comprehending instructions and technical manuals, Interpreting and summarizing technical texts, Note-making. Introduction of different kinds of technical documents, Information collection, factors affecting information and document design, Strategies for organization, Information design and writing for print and online media.	6
3	<b>Technical Writing, Grammar and Editing-</b> Technical writing process, forms of technical discourse, Writing, drafts and revising, Basics of grammar, common error in writing and speaking, Study of advanced grammar, Editing strategies to achieve appropriate technical style, Introduction to advanced technical communication. Planning, drafting and writing Official Notes, Letters, E-mail, Resume, Job Application, Minutes of Meetings.	8
4	<b>Advanced Technical Writing-</b> Technical Reports, types of technical reports, Characteristics and formats and structure of technical reports. Technical Project Proposals, types of technical proposals, Characteristics and formats and structure of technical proposals. Technical Articles, types of technical articles, Writing strategies, structure and formats of technical articles.	8
<b>Total</b>		<b>26</b>