

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



Syllabus

3rd Year

[Effective from Session 2016-17]

- 1. B.Tech. Electronics Engineering**
- 2. B.Tech. Electronics & Communication Engineering**
- 3. B.Tech. Electronics & Telecommunication Engineering**

SEMESTER-V

No.	Subject Code	Name of the Subject	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Sessional Assessment			ESE		
						CT	TA	Total			
THEORY SUBJECTS											
1	NEC 501R	Integrated Circuits	3	1	0	30	20	50	100	150	4
2	NEC 502	Principles of Communication	3	1	0	30	20	50	100	150	4
3	NEC 503	Microprocessors	3	1	0	30	20	50	100	150	4
4	NIC 501	Control System -I	3	1	0	30	20	50	100	150	4
5	NEC 504	Antenna and Wave Propagation	2	1	0	15	10	25	50	75	3
6	NHU501	Engineering Economics	2	0	0	15	10	25	50	75	2
PRACTICAL/ DESIGN/ DRAWING											
7	NEC 551R	Integrated Circuits Lab	0	0	2	10	10	20	30	50	1
8	NIC 551	Control System Lab	0	0	2	10	10	20	30	50	1
9	NEC 552	Communication Lab - 1	0	0	2	10	10	20	30	50	1
10	NEC 553	Microprocessors Lab	0	0	2	10	10	20	30	50	1
11	NGP 501	GP						50		50	
		TOTAL	16	5	8					1000	25

CT Class Test

AT Attendance

TA Tutorial Assignment

ESE End Semester Examination

L/T/P Lecture/ Tutorial/ Practical

SEMESTER-VI

No.	Subject Code	Name of the Subject	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Sessional Assessment			ESE		
						CT	TA	Total			
THEORY SUBJECTS											
1	NEC 601	Microwave Engineering	3	1	0	30	20	50	100	150	4
2	NEC 602	Digital Communication	3	1	0	30	20	50	100	150	4
3	NEC 603	Integrated Circuit Technology	3	1	0	30	20	50	100	150	4
4	NEC 0_	Departmental Elective -I	3	1	0	30	20	50	100	150	4
5	NEC 0_	Departmental Elective - II	2	1	0	15	10	25	50	75	3
6	NHU601	Industrial Management	2	0	0	15	10	25	50	75	2
PRACTICAL/ DESIGN/ DRAWING											
7	NEC 651	Antenna and Microwave Lab	0	0	2	10	10	20	30	50	1
8	NEC 652	Communication Lab - II	0	0	2	10	10	20	30	50	1
9	NEC 653	CAD of Electronics Lab	0	0	2	10	10	20	30	50	1
10	NEC 654R	Seminar	0	0	1	10	10	20	-	20	1
11	NEC 655	Microcontrollers for Embedded Systems Lab	0	0	1	6	6	12	18	30	1
12	NGP 601	GP						50		50	
		TOTAL	16	5	8					1000	26

Departmental Elective –I

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|----|---------|--|
| 1. | NEC011 | Digital Signal Processing |
| 2. | NEC 012 | Computer Architecture and Organization |
| 3. | NEC 013 | Artificial Neural Network |
| 4. | NEC 014 | Advance Semiconductor Devices |
| 5. | NEC013R | Real Time Systems |

Departmental Elective - II

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|----|----------|--------------------------------------|
| 1. | NEC 021 | Industrial Electronics |
| 2. | NEC 022R | Microcontroller for Embedded Systems |
| 3. | NEC 023 | Analog Signal Processing |
| 4. | NEC 024R | Advance Digital Design using Verilog |