



NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

Approved by UGC, AICTE and Affiliated to APJ Abdul Kalam Technological University
Re-Accredited by NAAC with 'A' Grade and NBA Accredited UG Programmes (CSE and MTR)
An ISO 9001:2015 certified Institution
Email : principal@neerc.ac.in



1.1.1 - The Institution ensures effective curriculum delivery through a well-planned and documented process

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PRINCIPAL
Nehru College of Engineering and
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Nira Gardens, Pampady
Thiruvilwamala, Thrissur - 680568



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - June 2022 to December 2022

MCA S3, Int MCA S9/S7/S5/S3, B.Des S5/S3, B.Arch S9

Jun-22				Jul-22				Aug-22			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Wed	1			Fri	1		5	Mon	1	Commencement of classes for MCA S3, Int MCA S3, B.Des S3/S5	25
Thu	2			Sat	2			Tue	2		26
Fri	3			Sun	3			Wed	3		27
Sat	4			Mon	4	Commencement of classes for B.Arch S9	6	Thu	4		28
Sun	5			Tue	5		7	Fri	5		29
Mon	6			Wed	6		8	Sat	6		
Tue	7			Thu	7		9	Sun	7		
Wed	8			Fri	8		10	Mon	8		30
Thu	9			Sat	9	Bakrid		Tue	9	Muharram	
Fri	10			Sun	10			Wed	10	Commencement of classes for Int MCA S5	31
Sat	11			Mon	11		11	Thu	11		32
Sun	12			Tue	12		12	Fri	12		33
Mon	13			Wed	13		13	Sat	13		
Tue	14			Thu	14		14	Sun	14		
Wed	15			Fri	15		15	Mon	15	Independence Day	
Thu	16			Sat	16			Tue	16		34
Fri	17			Sun	17			Wed	17		35
Sat	18			Mon	18		16	Thu	18	Sreekrishna Jayanthi	
Sun	19			Tue	19		17	Fri	19	First CC Meeting for Int MCA S7/S9, B.Arch S9	36
Mon	20			Wed	20		18	Sat	20		37
Tue	21			Thu	21		19	Sun	21		
Wed	22			Fri	22		20	Mon	22	Course Selection and Mapping Begins for Int MCA S7/S9, B.Arch S9, MCA S3, Int MCA S3/S5, B.Des S3/S5	38
Thu	23			Sat	23			Tue	23		39
Fri	24			Sun	24			Wed	24	Course Selection and Mapping Ends for Int MCA S7/S9, B.Arch S9, MCA S3, Int MCA S3/S5, B.Des S3/S5	40
Sat	25			Mon	25		21	Thu	25	First CC Meeting for MCA S3, Int MCA S3/S5, B.Des S3/S5	41
Sun	26			Tue	26		22	Fri	26		42
Mon	27	Commencement of classes for Int MCA S7/S9	1	Wed	27		23	Sat	27	First Series test to be completed for Int MCA S7/S9, B.Arch S9	43
Tue	28		2	Thu	28	Karkadaka Vavu		Sun	28		
Wed	29		3	Fri	29		24	Mon	29		44
Thu	30		4	Sat	30			Tue	30		45
				Sun	31			Wed	31		46



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - June 2022 to December 2022

MCA S3, Int MCA S9/S7/S5/S3, B.Des S5/S3, B.Arch S9

Sep-22				Oct-22				Nov-22			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	
Thu	1		47	Sat	1		65	Tue	1		87
Fri	2		48	Sun	2	Gandhi Jayanthi		Wed	2		88
Sat	3			Mon	3		66	Thu	3		89
Sun	4			Tue	4	Mahanavami		Fri	4		90
Mon	5			Wed	5	Vijayadasami		Sat	5		91
Tue	6			Thu	6		67	Sun	6		
Wed	7	First Onam		Fri	7		68	Mon	7		92
Thu	8	Thiruvonam		Sat	8	Milad-i-sherif		Tue	8	Commencement of End Semester Examination for Int MCA S9, B.Arch S9	93
Fri	9	Third Onam		Sun	9			Wed	9	Commencement of End Semester Examination for Int MCA S7	94
Sat	10	Fourth Onam		Mon	10		69	Thu	10		95
Sun	11			Tue	11		70	Fri	11	Second Series test to be completed for MCA S3, Int MCA S3/S5, B.Des S3/S5	96
Mon	12		49	Wed	12		71	Sat	12		
Tue	13		50	Thu	13		72	Sun	13		
Wed	14	Second CC Meeting for Int MCA S7/S9, B.Arch S9	51	Fri	14		73	Mon	14		97
Thu	15		52	Sat	15	Second Series test to be completed for Int MCA S7/S9, B.Arch S9	74	Tue	15		98
Fri	16		53	Sun	16			Wed	16		99
Sat	17		54	Mon	17		75	Thu	17	Third CC Meeting for MCA S3, Int MCA S3/S5, B.Des S3/S5	100
Sun	18			Tue	18		76	Fri	18		101
Mon	19	Exam Registration begins for Int MCA S7/S9, B.Arch S9, MCA S3, Int MCA S3/S5, B.Des S3/S5	55	Wed	19		77	Sat	19		102
Tue	20		56	Thu	20	Second CC Meeting for MCA S3, Int MCA S3/S5, B.Des S3/S5	78	Sun	20		
Wed	21	Sree Narayana Guru Samadhi Day		Fri	21	Third CC Meeting for Int MCA S7/S9, B.Arch S9	79	Mon	21		103
Thu	22		57	Sat	22		80	Tue	22		104
Fri	23		58	Sun	23			Wed	23		105
Sat	24	Exam Registration ends for Int MCA S7/S9, B.Arch S9, MCA S3, Int MCA S3/S5, B.Des S3/S5	59	Mon	24	Deepavali		Thu	24		106
Sun	25			Tue	25		81	Fri	25	Publish IA Marks for MCA S3, Int MCA S3/S5, B.Des S3/S5	107
Mon	26		60	Wed	26		82	Sat	26	Class Ends Publish Attendance for MCA S3, Int MCA S3/S5, B.Des S3/S5	108
Tue	27		61	Thu	27		83	Sun	27		
Wed	28		62	Fri	28	Publish IA Marks for Int MCA S7/S9, B.Arch S9	84	Mon	28		109
Thu	29		63	Sat	29	Class Ends Publish Attendance for Int MCA S7/S9, B.Arch S9	85	Tue	29		110
Fri	30	First Series test to be completed for Int MCA S3, Int MCA S3/S5, B.Des S3/S5	64	Sun	30			Wed	30		111
				Mon	31		86				



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - June 2022 to December 2022

MCA S3, Int MCA S9/S7/S5/S3, B.Des S5/S3, B.Arch S9

Dec-22			
Days	Date	Description	Class
Thu	1		112
Fri	2		113
Sat	3		114
Sun	4		
Mon	5		115
Tue	6		116
Wed	7	Commencement of End Semester Examination for Int MCA S5, B.Des S5	117
Thu	8	Commencement of End Semester Examination for MCA S3, Int MCA S3, B.Des S3	118
Fri	9		119
Sat	10		
Sun	11		
Mon	12		
Tue	13		
Wed	14		
Thu	15		
Fri	16		
Sat	17		
Sun	18		
Mon	19		
Tue	20		
Wed	21		
Thu	22		
Fri	23		
Sat	24		
Sun	25	Christmas	
Mon	26		
Tue	27		
Wed	28		
Thu	29		
Fri	30		
Sat	31		



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - January 2023 to June 2023

INT MCA S4/S6

Apr-23				May-23				Jun-23		
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description
Sat	1			Mon	1	May Day		Thu	1	Third CC meeting for INT MCA S4/S6
Sun	2			Tue	2			Fri	2	
Mon	3		52	Wed	3			Sat	3	
Tue	4		53	Thu	4			Sun	4	
Wed	5		54	Fri	5			Mon	5	
Thu	6	Maundy Thursday		Sat	6			Tue	6	Second Series test to be completed for INT MCA S4/S6
Fri	7	Good Friday		Sun	7			Wed	7	
Sat	8			Mon	8			Thu	8	Publish IA Marks for INT MCA S4/S6
Sun	9	Easter		Tue	9			Fri	9	Class Ends Publish Attendance for INT MCA S4/S6
Mon	10		55	Wed	10			Sat	10	
Tue	11		56	Thu	11			Sun	11	
Wed	12		57	Fri	12			Mon	12	
Thu	13		58	Sat	13			Tue	13	
Fri	14	Dr.B.R. Ambedkar Jayanthi		Sun	14			Wed	14	
Sat	15	Vishu		Mon	15			Thu	15	
Sun	16			Tue	16			Fri	16	
Mon	17		59	Wed	17			Sat	17	
Tue	18		60	Thu	18			Sun	18	
Wed	19		61	Fri	19			Mon	19	Commencement of End Semester Examination for INT MCA S4/S6
Thu	20		62	Sat	20			Tue	20	
Fri	21	Eid-UI-Fitr		Sun	21			Wed	21	
Sat	22			Mon	22			Thu	22	
Sun	23			Tue	23			Fri	23	
Mon	24	Exam Registration begins for INT MCA S4/S6	63	Wed	24			Sat	24	
Tue	25		64	Thu	25			Sun	25	
Wed	26		65	Fri	26			Mon	26	
Thu	27		66	Sat	27			Tue	27	
Fri	28	Exam Registration ends for INT MCA S4/S6	67	Sun	28			Wed	28	Bakrid
Sat	29			Mon	29			Thu	29	
Sun	30			Tue	30			Fri	30	
				Wed	31					



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - January 2023 to June 2023

INT MCA S4/S6

Jan-23		Feb-23				Mar-23				
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description
Sun	1			Wed	1		9	Wed	1	
Mon	2	Mannam Jayanthi		Thu	2		10	Thu	2	
Tue	3			Fri	3		11	Fri	3	
Wed	4			Sat	4			Sat	4	
Thu	5			Sun	5			Sun	5	
Fri	6			Mon	6		12	Mon	6	
Sat	7			Tue	7		13	Tue	7	
Sun	8			Wed	8		14	Wed	8	
Mon	9			Thu	9		15	Thu	9	First Series test to be completed for INT MCA S4/S6
Tue	10			Fri	10	First CC Meeting for INT MCA S4/S6	16	Fri	10	
Wed	11			Sat	11			Sat	11	
Thu	12			Sun	12			Sun	12	
Fri	13			Mon	13		17	Mon	13	
Sat	14			Tue	14		18	Tue	14	
Sun	15			Wed	15		19	Wed	15	
Mon	16			Thu	16		20	Thu	16	Second CC meeting for INT MCA S4/S6
Tue	17			Fri	17		21	Fri	17	
Wed	18			Sat	18	Shivaratri		Sat	18	
Thu	19	Commencement of classes for INT MCA S4/S6	1	Sun	19			Sun	19	
Fri	20		2	Mon	20		22	Mon	20	
Sat	21			Tue	21		23	Tue	21	
Sun	22			Wed	22		24	Wed	22	
Mon	23		3	Thu	23		25	Thu	23	
Tue	24		4	Fri	24		26	Fri	24	
Wed	25		5	Sat	25			Sat	25	
Thu	26	Republic Day		Sun	26			Sun	26	
Fri	27		6	Mon	27		27	Mon	27	
Sat	28			Tue	28		28	Tue	28	
Sun	29							Wed	29	
Mon	30							Thu	30	
Tue	31							Fri	31	



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - January 2023 to June 2023

INT MCA S4/S6

Even Semester(2022-2023)

Sl.No	Important Events	Important Dates
1	Commencement of classes for INT MCA S4/S6	19-01-2023
2	First CC Meeting for INT MCA S4/S6	10-02-2023
3	Second CC meeting for INT MCA S4/S6	16-03-2023
4	Third CC meeting for INT MCA S4/S6	01-06-2023
5	First Series test to be completed for INT MCA S4/S6	09-03-2023
6	Second Series test to be completed for INT MCA S4/S6	04-05-2023
7	Exam Registration begins for INT MCA S4/S6	24-04-2023
8	Exam Registration ends for INT MCA S4/S6	28-04-2023
9	Publish IA Marks for INT MCA S4/S6	08-06-2023
10	Class Ends Publish Attendance for INT MCA S4/S6	09-06-2023
11	Commencement of End Semester Examination for INT MCA S4/S6	19-06-2023



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - September 2022 to January 2023

B.Tech S7/S5/S3, BHMCT S5/S3, M.Plan S3, M.Arch S3

Sep-22				Oct-22				Nov-22			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Thu	1			Sat	1		17	Tue	1		39
Fri	2			Sun	2	Gandhi Jayanthi		Wed	2		40
Sat	3			Mon	3		18	Thu	3		41
Sun	4			Tue	4	Mahanavami		Fri	4		42
Mon	5			Wed	5	Vijayadasami		Sat	5		43
Tue	6			Thu	6		19	Sun	6		
Wed	7	First Onam		Fri	7		20	Mon	7		44
Thu	8	Thiruvonam		Sat	8	Milad-i-sherif		Tue	8		45
Fri	9	Third Onam		Sun	9			Wed	9		46
Sat	10	Fourth Onam		Mon	10		21	Thu	10		47
Sun	11			Tue	11		22	Fri	11	First Series test to be completed for B.Tech S7/S5/S3, BHMCT S5/S3, M.Arch S3, M.Plan S3	48
Mon	12	Commencement of classes for B.Tech S3, BHMCT S5	1	Wed	12	Course Selection and Mapping Begins for B.Tech S5, BHMCT S3, M.Arch S3, M.Plan S3	23	Sat	12		
Tue	13	Commencement of classes for B.Tech S7	2	Thu	13		24	Sun	13		
Wed	14		3	Fri	14		25	Mon	14		49
Thu	15		4	Sat	15		26	Tue	15		50
Fri	16		5	Sun	16			Wed	16		51
Sat	17		6	Mon	17		27	Thu	17		52
Sun	18			Tue	18	Course Selection and Mapping Ends for B.Tech S5, BHMCT S3, M.Arch S3, M.Plan S3	28	Fri	18		53
Mon	19	Commencement of classes for B.Tech S5, M.Arch S3, M.Plan S3	7	Wed	19		29	Sat	19		54
Tue	20		8	Thu	20		30	Sun	20		
Wed	21	Sree Narayana Guru Samadhi Day		Fri	21		31	Mon	21	Exam Registration begins for B.Tech S7/S5/S3, BHMCT S5/S3, M.Arch S3, M.Plan S3	55
Thu	22	Commencement of classes for BHMCT S3	9	Sat	22		32	Tue	22	Second CC Meetings for B.Tech S7/S5/S3, BHMCT S5/S3, M.Arch S3,	56
Fri	23		10	Sun	23			Wed	23		57
Sat	24		11	Mon	24	Deepavali		Thu	24		58
Sun	25			Tue	25		33	Fri	25		59
Mon	26	Course Selection and Mapping Begins for B.Tech S7/S3, BHMCT S5	12	Wed	26		34	Sat	26		60
Tue	27	First CC Meetings for B.Tech S7/S5/S3, BHMCT S5/S3, M.Arch S3, M.Plan S3	13	Thu	27		35	Sun	27		
Wed	28		14	Fri	28		36	Mon	28		61
Thu	29		15	Sat	29		37	Tue	29		62
Fri	30	Course Selection and Mapping Ends for B.Tech S7/S3, BHMCT S5	16	Sun	30			Wed	30	Exam Registration ends for B.Tech S7/S5/S3, BHMCT S5/S3, M.Arch S3, M.Plan S3	63
				Mon	31		38				



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - September 2022 to January 2023

B.Tech S7/S5/S3, BHMCT S5/S3, M.Plan S3, M.Arch S3

Dec-22				Jan-23			
Days	Date	Description		Days	Date	Description	Class
Thu	1		64	Sun	1		
Fri	2		65	Mon	2	Mannam Jayanthi	
Sat	3		66	Tue	3	Third CC Meetings for B.Tech S5, BHMCT S3, M.Arch S3, M.Plan S3 Commencement of End Semester Examination for B.Tech S3, BHMCT S5	83
Sun	4			Wed	4	Commencement of End Semester Examination for B.Tech S7	84
Mon	5		67	Thu	5		85
Tue	6		68	Fri	6	Publish IA Marks for B.Tech S5, BHMCT S3, M.Arch S3, M.Plan S3	86
Wed	7		69	Sat	7	Class Ends Publish Attendance for B.Tech S5, BHMCT S3, M.Arch S3, M.Plan S3	87
Thu	8		70	Sun	8		
Fri	9	Second Series test to be completed for B.Tech S7/S3, BHMCT S5	71	Mon	9		88
Sat	10			Tue	10		89
Sun	11			Wed	11		90
Mon	12		72	Thu	12		91
Tue	13		73	Fri	13		92
Wed	14	Second Series test to be completed for B.Tech S5, BHMCT S3, M.Arch S3, M.Plan S3	74	Sat	14		
Thu	15		75	Sun	15		
Fri	16		76	Mon	16	Commencement of End Semester Examination for B.Tech S5, BHMCT S3, M.Arch S3, M.Plan S3	93
Sat	17	Third CC Meetings for B.Tech S7/S3, BHMCT S5	77	Tue	17		94
Sun	18			Wed	18		95
Mon	19		78	Thu	19		96
Tue	20	Publish IA Marks for B.Tech S3, BHMCT S5	79	Fri	20		97
Wed	21	Class Ends Publish Attendance for B.Tech S3, BHMCT S5	80	Sat	21		98
Thu	22	Publish IA Marks for B.Tech S7	81	Sun	22		
Fri	23	Class Ends Publish Attendance for B.Tech S7	82	Mon	23		
Sat	24			Tue	24		
Sun	25	Christmas		Wed	25		
Mon	26			Thu	26	Republic Day	
Tue	27			Fri	27		
Wed	28			Sat	28		
Thu	29			Sun	29		
Fri	30			Mon	30		
Sat	31			Tue	31		



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**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY****Academic Calendar - September 2022 to January 2023****B.Tech S7/S5/S3, BHMCT S5/S3, M.Plan S3, M.Arch S3****Odd Semester(2022-2023)**

Sl.No	Important Events	Important Dates
1	Commencement of classes for B.Tech S3, BHMCT S5	12-09-2022
2	Commencement of classes for B.Tech S7	13-09-2022
3	Commencement of classes for B.Tech S5, M.Arch S3, M.Plan S3	19-09-2022
4	Commencement of classes for BHMCT S3	22-09-2022
5	First and Second CC Meetings for B.Tech S7/S5/S3,BHMCT S5/S3,M.Arch S3, M.Plan S3	27-09-2022, 22-11-2022
6	Third CC Meetings for B.Tech S7/S3, BHMCT S5	17-12-2022
7	Third CC Meetings for B.Tech S5, BHMCT S3,M.Arch S3, M.Plan S3	03-01-2023
8	Course Selection and Mapping Begins for B.Tech S7/S3, BHMCT S5	26-09-2022
9	Course Selection and Mapping Ends for B.Tech S7/S3, BHMCT S5	30-09-2022
10	Course Selection and Mapping Begins for B.Tech S5, BHMCT S3,M.Arch S3, M.Plan S3	12-10-2022
11	Course Selection and Mapping Ends for B.Tech S5, BHMCT S3,M.Arch S3, M.Plan S3	18-10-2022
12	First Series test to be completed for B.Tech S7/S5/S3,BHMCT S5/S3, M.Arch S3, M.Plan S3	11-11-2022
13	Second Series test to be completed for B.Tech S7/S3, BHMCT S5	09-12-2022
14	Second Series test to be completed for B.Tech S5, BHMCT S3,M.Arch S3, M.Plan S3	14-12-2022
15	Exam Registration begins for B.Tech S7/S5/S3,BHMCT S5/S3,M.Arch S3, M.Plan S3	21-11-2022
16	Exam Registration ends for B.Tech S7/S5/S3,BHMCT S5/S3,M.Arch S3, M.Plan S3	30-11-2022
17	Publish IA Marks for B.Tech S3, BHMCT S5	20-12-2022
18	Class Ends Publish Attendance for B.Tech S3, BHMCT S5	21-12-2022
19	Publish IA Marks for B.Tech S7	22-12-2022
20	Class Ends Publish Attendance for B.Tech S7	23-12-2022
21	Publish IA Marks for B.Tech S5,BHMCT S3, M.Arch S3, M.Plan S3	06-01-2023
22	Class Ends Publish Attendance for B.Tech S5,BHMCT S3, M.Arch S3, M.Plan S3	07-01-2023
23	M.Arch S3, M.Plan S3 Jury Examination	09-01-2023
24	Commencement of End Semester Examination for B.Tech S3, BHMCT S5	03-01-2023
25	Commencement of End Semester Examination for B.Tech S7	04-01-2023
26	Commencement of End Semester Examination for B.Tech S5,BHMCT S3, M.Arch S3, M.Plan S3	16-01-2023



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - January 2023 to July 2023

B.Tech S4/S6, B.Arch S4/S6/S8, BHMCT S4/S6

Jan-23			Feb-23				Mar-23			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description
Sun	1			Wed	1		7	Wed	1	
Mon	2	Mannam Jayanthi		Thu	2		8	Thu	2	
Tue	3			Fri	3		9	Fri	3	
Wed	4			Sat	4			Sat	4	
Thu	5			Sun	5			Sun	5	
Fri	6			Mon	6	Commencement of classes for B.Tech S4/S6, BHMCT S6/S4	10	Mon	6	
Sat	7			Tue	7		11	Tue	7	
Sun	8			Wed	8		12	Wed	8	
Mon	9			Thu	9		13	Thu	9	First Series test to be completed for B.Arch S8
Tue	10			Fri	10	First CC Meeting for B.Arch S4/S6/S8, B.Tech S4/S6, BHMCT S4/S6	14	Fri	10	
Wed	11			Sat	11			Sat	11	
Thu	12			Sun	12			Sun	12	
Fri	13			Mon	13		15	Mon	13	
Sat	14			Tue	14		16	Tue	14	
Sun	15			Wed	15		17	Wed	15	
Mon	16			Thu	16		18	Thu	16	
Tue	17			Fri	17		19	Fri	17	
Wed	18			Sat	18	Shivaratri		Sat	18	
Thu	19			Sun	19			Sun	19	
Fri	20			Mon	20		20	Mon	20	
Sat	21			Tue	21		21	Tue	21	
Sun	22			Wed	22		22	Wed	22	First Series test to be completed for B.Arch S4/S6, B.Tech S4/S6, BHMCT S6/S4
Mon	23	Commencement of classes for B.Arch S8	1	Thu	23		23	Thu	23	
Tue	24		2	Fri	24		24	Fri	24	
Wed	25		3	Sat	25			Sat	25	
Thu	26	Republic Day		Sun	26			Sun	26	
Fri	27		4	Mon	27		25	Mon	27	
Sat	28			Tue	28		26	Tue	28	
Sun	29							Wed	29	Second CC meeting for B.Arch S4/S6/S8, B.Tech S4/S6, BHMCT S4/S6
Mon	30	Commencement of classes for B.Arch S4/S6	5					Thu	30	
Tue	31		6					Fri	31	




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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - January 2023 to July 2023

B.Tech S4/S6, B.Arch S4/S6/S8, BHMCT S4/S6

Apr-23				May-23				Jun-23			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	
Sat	1			Mon	1	May Day		Thu	1	Exam Registration begins for B.Arch S4/S6/S8, B.Tech S4/S6, BHMCT S4/S6.	
Sun	2			Tue	2			Fri	2		
Mon	3		50	Wed	3			Sat	3		
Tue	4		51	Thu	4			Sun	4		
Wed	5		52	Fri	5			Mon	5	Second Series test to be completed for B.Arch S8	
Thu	6	Maundy Thursday		Sat	6			Tue	6		
Fri	7	Good Friday		Sun	7			Wed	7		
Sat	8			Mon	8			Thu	8	Exam Registration ends for B.Arch S4/S6/S8, B.Tech S4/S6, BHMCT S4/S6.	
Sun	9	Easter		Tue	9			Fri	9	Third CC meeting for B.Tech S4/S6, B.Arch S4/S6/S8, BHMCT S4/S6	
Mon	10		53	Wed	10			Sat	10		
Tue	11		54	Thu	11			Sun	11		
Wed	12		55	Fri	12			Mon	12		
Thu	13		56	Sat	13			Tue	13		
Fri	14	Dr.B.R. Ambedkar Jayanthi		Sun	14			Wed	14	Second Series test to be completed for B.Arch S4/S6	
Sat	15	Vishu		Mon	15			Thu	15	Publish IA Marks for B.Arch S8	
Sun	16			Tue	16			Fri	16	Class Ends Publish Attendance for B.Arch S8 Second Series test to be completed for B.Tech S4/S6, BHMCT S4/S6	
Mon	17		57	Wed	17			Sat	17		
Tue	18		58	Thu	18			Sun	18		
Wed	19		59	Fri	19			Mon	19		
Thu	20		60	Sat	20			Tue	20	B.Arch S8 Jury begins	
Fri	21	Eid-UI-Fitr		Sun	21			Wed	21		
Sat	22			Mon	22			Thu	22	Publish IA Marks for B.Arch S4/S6.	
Sun	23			Tue	23			Fri	23	Class Ends Publish Attendance for B.Arch S4/S6	
Mon	24		61	Wed	24			Sat	24		
Tue	25		62	Thu	25			Sun	25		
Wed	26		63	Fri	26			Mon	26	Publish IA Marks for B.Tech S4/S6, BHMCT S4/S6 Commencement of End Semester Examination for B.Arch S8 B Arch S4/S6 Jury begins	
Thu	27		64	Sat	27			Tue	27	Class Ends Publish Attendance for B.Tech S4/S6, BHMCT S4/S6	
Fri	28		65	Sun	28			Wed	28	Bakrid	
Sat	29			Mon	29			Thu	29		
Sun	30			Tue	30			Fri	30		
				Wed	31						



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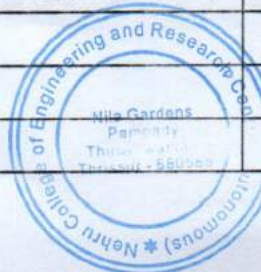


APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - January 2023 to July 2023

B.Tech S4/S6, B.Arch S4/S6/S8, BHMCT S4/S6

Jul-23		Aug-23				Sep-23				
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description
Sat	1			Tue	1			Fri	1	
Sun	2			Wed	2			Sat	2	
Mon	3	Commencement of End Semester Examination for B.Arch S6/S4	87	Thu	3			Sun	3	
Tue	4		88	Fri	4			Mon	4	
Wed	5		89	Sat	5			Tue	5	
Thu	6		90	Sun	6			Wed	6	Sreekrishna Jayanthi
Fri	7	Commencement of End Semester Examination for B.Tech S4/S6, BHMCT S6/S4	91	Mon	7			Thu	7	
Sat	8			Tue	8			Fri	8	
Sun	9			Wed	9			Sat	9	
Mon	10		92	Thu	10			Sun	10	
Tue	11		93	Fri	11			Mon	11	
Wed	12		94	Sat	12			Tue	12	
Thu	13		95	Sun	13			Wed	13	
Fri	14		96	Mon	14			Thu	14	
Sat	15			Tue	15	Independence Day		Fri	15	
Sun	16			Wed	16			Sat	16	
Mon	17	Karkadaka Vavu		Thu	17			Sun	17	
Tue	18		97	Fri	18			Mon	18	
Wed	19		98	Sat	19			Tue	19	
Thu	20		99	Sun	20			Wed	20	
Fri	21		100	Mon	21			Thu	21	
Sat	22			Tue	22			Fri	22	Sree Narayana Guru Samadhi
Sun	23			Wed	23			Sat	23	
Mon	24			Thu	24			Sun	24	
Tue	25			Fri	25			Mon	25	
Wed	26			Sat	26			Tue	26	
Thu	27			Sun	27			Wed	27	Milad-I-Sherif
Fri	28	Muharram		Mon	28	First Onam		Thu	28	
Sat	29			Tue	29	Thiruvonam		Fri	29	
Sun	30			Wed	30	Third Onam		Sat	30	
Mon	31			Thu	31	Fourth Onam				



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - January 2023 to July 2023

B.Tech S4/S6, B.Arch S4/S6/S8, BHMCT S4/S6

Even Semester(2022-2023)

Sl.No	Important Events	Important Dates
1	Commencement of classes for B.Arch S8	23-01-2023
2	Commencement of classes for B.Arch S4/S6	30-01-2023
3	Commencement of classes for B.Tech S4/S6, BHMCT S6/S4	06-02-2023
4	First CC Meeting for B.Arch S4/S6/S8, B.Tech S4/S6, BHMCT S4/S6	10-02-2023
5	Second CC meeting for B.Arch S4/S6/S8, B.Tech S4/S6, BHMCT S4/S6	29-03-2023
6	Third CC meeting for B.Arch S4/S6/S8, B.Tech S4/S6, BHMCT S4/S6	09-06-2023
7	First Series test to be completed for B.Arch S8	09-03-2023
8	First Series test to be completed for B.Arch S4/S6, B.Tech S4/S6, BHMCT S6/S4	22-03-2023
9	Summer Vacation for B.Tech S4/S6, B.Arch S4/S6/S8, BHMCT S4/S6*	01-05-2023 to 30-05-2023*
10	Exam Registration begins for B.Arch S4/S6/S8, B.Tech S4/S6, BHMCT S4/S6.	01-06-2023
11	Exam Registration ends for B.Arch S4/S6/S8, B.Tech S4/S6, BHMCT S4/S6.	08-06-2023
12	Second Series test to be completed for B.Arch S8	05-06-2023
13	Second Series test to be completed for B.Arch S4/S6	14-06-2023
14	Second Series test to be completed for B.Tech S4/S6, BHMCT S4/S6	16-06-2023
15	Publish IA Marks for B.Arch S8	15-06-2023
16	Class Ends Publish Attendance for B.Arch S8	16-06-2023
17	Publish IA Marks for B.Arch S4/S6.	22-06-2023
18	Class Ends Publish Attendance for B.Arch S4/S6	23-06-2023
19	Publish IA Marks for B.Tech S4/S6, BHMCT S4/S6	26-06-2023
20	Class Ends Publish Attendance for B.Tech S4/S6, BHMCT S4/S6	27-06-2023
21	B.Arch S8 Jury	20-06-2023, 21-06-2023
22	B.Arch S4/S6 Jury	26-06-2023, 27-06-2023
23	Commencement of End Semester Examination for B.Arch S8	26-06-2023
24	Commencement of End Semester Examination for B.Arch S4/S6,	03-07-2023
25	Commencement of End Semester Examination for B.Tech S4/S6, BHMCT S4/S6	07-07-2023



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - August 2022 to January 2023

B.Arch S7/S5/S3, BHMCT S7, MBA S3, M.Tech S3

Aug-22				Sep-22				Oct-22			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Mon	1			Thu	1		14	Sat	1		32
Tue	2			Fri	2		15	Sun	2	Gandhi Jayanthi	
Wed	3			Sat	3			Mon	3	First Series test to be completed for M.Tech S3, BHMCT S7	33
Thu	4			Sun	4			Tue	4	Mahanavami	
Fri	5			Mon	5			Wed	5	Vijayadasami	
Sat	6			Tue	6			Thu	6		34
Sun	7			Wed	7	First Onam		Fri	7		35
Mon	8			Thu	8	Thiruvonam		Sat	8	Milad-i-sherif	
Tue	9	Muharram		Fri	9	Third Onam		Sun	9		
Wed	10			Sat	10	Fourth Onam		Mon	10	Second CC meeting for M.Tech S3, BHMCT S7	36
Thu	11			Sun	11			Tue	11		37
Fri	12			Mon	12		16	Wed	12		38
Sat	13			Tue	13		17	Thu	13		39
Sun	14			Wed	14		18	Fri	14		40
Mon	15	Independence Day		Thu	15		19	Sat	15		41
Tue	16	Commencement of classes for M.Tech S3, BHMCT S7	1	Fri	16		20	Sun	16		
Wed	17		2	Sat	17		21	Mon	17		42
Thu	18	Sreekrishna Jayanthi		Sun	18			Tue	18		43
Fri	19		3	Mon	19	First CC meeting for MBA S3, B.Arch S7/S5/S3	22	Wed	19	First Series test to be completed for MBA S3, B.Arch S5/S3	44
Sat	20		4	Tue	20		23	Thu	20		45
Sun	21			Wed	21	Sree Narayana Guru Samadhi		Fri	21		46
Mon	22		5	Thu	22		24	Sat	22		47
Tue	23		6	Fri	23		25	Sun	23		
Wed	24		7	Sat	24	Course Selection and Mapping Begins for M.Tech S3, BHMCT S7, MBA S3, B.Arch S7/S5/S3	26	Mon	24	Deepavali	
Thu	25		8	Sun	25			Tue	25	Second CC meeting for MBA S3, B.Arch S7/S5/S3 Exam Registration begins for M.Tech S3, BHMCT S7, MBA S3, B.Arch S7/S5/S3	48
Fri	26		9	Mon	26		27	Wed	26		49
Sat	27		10	Tue	27		28	Thu	27		50
Sun	28			Wed	28		29	Fri	28		51
Mon	29	Commencement of classes for MBA S3, B.Arch S5/S3, B.Arch S7 (Practical Training) First CC meeting for M.Tech S3, BHMCT S7	11	Thu	29	Course Selection and Mapping Ends for M.Tech S3, BHMCT S7, MBA S3, B.Arch S7/S5/S3	30	Sat	29	Exam Registration ends for M.Tech S3, BHMCT S7, MBA S3, B.Arch S7/S5/S3	52
Tue	30		12	Fri	30		31	Sun	30		
Wed	31		13					Mon	31		53




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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - August 2022 to January 2023

B.Arch S7/S5/S3, BHMCT S7, MBA S3, M.Tech S3

Nov-22			Dec-22				Jan-23		
Days	Date	Description	Days	Date	Description	Class	Days	Date	Description
Tue	1		Thu	1		79	Sun	1	
Wed	2		Fri	2	Second Series test to be completed for MBA S3, B.Arch S5/S3	80	Mon	2	Mannam Jayanthi
Thu	3		Sat	3		81	Tue	3	Commencement of End Semester Examination for MBA S3, B.Arch S3/S5
Fri	4		Sun	4			Wed	4	
Sat	5		Mon	5		82	Thu	5	
Sun	6		Tue	6		83	Fri	6	
Mon	7		Wed	7	Third CC meeting for MBA S3, B.Arch S7/S5/S3	84	Sat	7	
Tue	8		Thu	8		85	Sun	8	
Wed	9		Fri	9		86	Mon	9	
Thu	10		Sat	10			Tue	10	
Fri	11		Sun	11			Wed	11	
Sat	12		Mon	12	Commencement of End Semester Examination for M.Tech S3, BHMCT S7	87	Thu	12	
Sun	13		Tue	13		88	Fri	13	
Mon	14		Wed	14	Publish IA Marks for MBA S3, B.Arch S5/S3	89	Sat	14	
Tue	15		Thu	15	Class Ends Publish Attendance for MBA S3, B.Arch S5/S3	90	Sun	15	
Wed	16	Second Series test to be completed for M.Tech S3, BHMCT S7	Fri	16		91	Mon	16	Practical Training Ends for B.Arch S7
Thu	17		Sat	17		92	Tue	17	
Fri	18		Sun	18			Wed	18	
Sat	19		Mon	19		93	Thu	19	Jury Evaluation B.Arch S7
Sun	20		Tue	20		94	Fri	20	
Mon	21		Wed	21		95	Sat	21	
Tue	22		Thu	22		96	Sun	22	
Wed	23	Third CC meeting for M.Tech S3, BHMCT S7	Fri	23		97	Mon	23	
Thu	24		Sat	24			Tue	24	
Fri	25		Sun	25	Christmas		Wed	25	
Sat	26		Mon	26			Thu	26	Republic Day
Sun	27		Tue	27			Fri	27	
Mon	28		Wed	28			Sat	28	
Tue	29	Publish IA Marks for M.Tech S3, BHMCT S7	Thu	29			Sun	29	
Wed	30	Class Ends Publish Attendance for M.Tech S3, BHMCT S7	Fri	30			Mon	30	
			Sat	31			Tue	31	



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**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY****Academic Calendar - August 2022 to January 2023****B.Arch S7/S5/S3, BHMCT S7, MBA S3, M.Tech S3****Odd Semester(2022-2023)**

Sl.No	Important Events	Important Dates
1	Commencement of classes for M.Tech S3, BHMCT S7	16-08-2022
2	Commencement of classes for MBA S3, B.Arch S5/S3	29-08-2022
3	Commencement of Practical Training for B.Arch S7	29-08-2022
4	CC Meetings for M.Tech S3, BHMCT S7	29-08-2022, 10-10-2022, 23-11-2022
5	CC Meetings for MBA S3, B.Arch S7/S5/S3	19-09-2022, 25-10-2022, 7-12-2022
6	Course Selection and Mapping Begins for M.Tech S3, BHMCT S7, MBA S3, B.Arch S7/S5/S3	24-09-2022
7	Course Selection and Mapping Ends for M.Tech S3, BHMCT S7, MBA S3, B.Arch S7/S5/S3	29-09-2022
8	First Series test to be completed for M.Tech S3, BHMCT S7	03-10-2022
9	First Series test to be completed for MBA S3, B.Arch S5/S3	19-10-2022
10	Second Series test to be completed for M.Tech S3, BHMCT S7	16-11-2022
11	Second Series test to be completed for MBA S3, B.Arch S5/S3	02-12-2022
12	Exam Registration begins for M.Tech S3, BHMCT S7, MBA S3, B.Arch S7/S5/S3	25-10-2022
13	Exam Registration ends for M.Tech S3, BHMCT S7, MBA S3, B.Arch S7/S5/S3	29-10-2022
14	Publish IA Marks for M.Tech S3, BHMCT S7	29-11-2022
15	Class Ends Publish Attendance for M.Tech S3, BHMCT S7	30-11-2022
16	Publish IA Marks for MBA S3, B.Arch S5/S3	14-12-2022
17	Class Ends Publish Attendance for MBA S3, B.Arch S5/S3	15-12-2022
18	Practical Training Ends for B.Arch S7	16-01-2023
19	Jury Evaluation B.Arch S7	19-01-2023
20	Commencement of End Semester Examination for M.Tech S3, BHMCT S7	12-12-2022
21	Commencement of End Semester Examination for MBA S3, B.Arch S3/S5	03-01-2023

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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - January 2023 to June 2023

MBA S4, M.Arch S4, M.Plan S4, MCA S4, B.Tech S8, B.Des S8

Jan-23		Feb-23				Mar-23					
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Sun	1			Wed	1	Commencement of classes for MBA S4	9	Wed	1		29
Mon	2	Mannam Jayanthi		Thu	2		10	Thu	2		30
Tue	3			Fri	3		11	Fri	3		31
Wed	4			Sat	4			Sat	4		
Thu	5			Sun	5			Sun	5		
Fri	6			Mon	6		12	Mon	6		32
Sat	7			Tue	7		13	Tue	7		33
Sun	8			Wed	8		14	Wed	8		34
Mon	9			Thu	9		15	Thu	9	Project Evaluation-I MBA S4	35
Tue	10			Fri	10	First CC Meeting for MBA S4, MCA S4, B.Tech S8	16	Fri	10		36
Wed	11			Sat	11			Sat	11		
Thu	12			Sun	12			Sun	12		
Fri	13			Mon	13		17	Mon	13		37
Sat	14			Tue	14		18	Tue	14		38
Sun	15			Wed	15		19	Wed	15		39
Mon	16			Thu	16		20	Thu	16	Second CC meeting for MCA S4	40
Tue	17			Fri	17		21	Fri	17		41
Wed	18			Sat	18	Shivaratri		Sat	18		
Thu	19	Commencement of classes for B.Des S8, MCA S4.	1	Sun	19			Sun	19		
Fri	20		2	Mon	20		22	Mon	20		42
Sat	21			Tue	21		23	Tue	21		43
Sun	22			Wed	22		24	Wed	22	First Series test to be completed for MBA S4, B.Tech S8	44
Mon	23		3	Thu	23		25	Thu	23		45
Tue	24		4	Fri	24		26	Fri	24		46
Wed	25		5	Sat	25			Sat	25		
Thu	26	Republic Day		Sun	26			Sun	26		
Fri	27		6	Mon	27		27	Mon	27		47
Sat	28			Tue	28	First interim evaluation for MCA S4 Jury Evaluation-I for M.Plan S4, M.Arch S4	28	Tue	28		48
Sun	29			Wed	29			Wed	29	Second CC meeting for MBA S4, B.Tech S8.	49
Mon	30	Commencement of classes for B.Tech S8, M.Arch S4, M.Plan S4	7	Thu	30			Thu	30		50
Tue	31		8	Fri	31			Fri	31	Second interim evaluation for MCA S4 Jury Evaluation -II for M.Plan S4, M.Arch S4	51



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - January 2023 to June 2023

MBA S4, M.Arch S4, M.Plan S4, MCA S4, B.Tech S8, B.Des S8

Apr-23				May-23				Jun-23			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Sat	1			Mon	1	May Day		Thu	1		90
Sun	2			Tue	2		68	Fri	2		91
Mon	3		52	Wed	3		69	Sat	3		
Tue	4		53	Thu	4		70	Sun	4		
Wed	5		54	Fri	5		71	Mon	5	Commencement of End Semester Examination for B.Tech S8, MBA S4	92
Thu	6	Maundy Thursday		Sat	6			Tue	6		93
Fri	7	Good Friday		Sun	7			Wed	7	External Jury Evaluation and Viva Voce for M.Arch S4, M.Plan S4	94
Sat	8			Mon	8		72	Thu	8		95
Sun	9	Easter		Tue	9		73	Fri	9		96
Mon	10		55	Wed	10		74	Sat	10		
Tue	11		56	Thu	11		75	Sun	11		
Wed	12		57	Fri	12	Third CC meeting for MBA S4, B.Tech S8.	76	Mon	12		97
Thu	13		58	Sat	13			Tue	13		98
Fri	14	Dr.B.R. Ambedkar Jayanthi		Sun	14			Wed	14		99
Sat	15	Vishu		Mon	15	Third interim evaluation for MCA S4	77	Thu	15		100
Sun	16			Tue	16		78	Fri	16		101
Mon	17	Exam Registration begins for MBA S4, M.Arch S4, M.Plan S4, MCA S4, B.Tech S8, B.Des S8	59	Wed	17	Publish IA Marks for MCA S4, B.Des S8.	79	Sat	17		
Tue	18		60	Thu	18	Class Ends Publish Attendance for MCA S4, B.Des S8	80	Sun	18		
Wed	19		61	Fri	19	Second Series test to be completed for B.Tech S8, MBA S4. Project Evaluation-II MBA S4	81	Mon	19		102
Thu	20		62	Sat	20			Tue	20		103
Fri	21	Eid-UI-Fitr		Sun	21			Wed	21		104
Sat	22			Mon	22	External Project evaluation for B.Des S8 begins	82	Thu	22		105
Sun	23			Tue	23		83	Fri	23		106
Mon	24		63	Wed	24		84	Sat	24		
Tue	25		64	Thu	25	Publish IA Marks for B.Tech S8, MBA S4	85	Sun	25		
Wed	26		65	Fri	26	Class Ends Publish Attendance for B.Tech S8, MBA S4 Jury Evaluation -IV for M.Plan S4, M.Arch S4 External Project evaluation and Viva voce for MCA S4 begins	86	Mon	26		107
Thu	27	Exam Registration ends for MBA S4, M.Arch S4, M.Plan S4, MCA S4, B.Tech S8, B.Des S8	66	Sat	27			Tue	27		108
Fri	28	Third CC meeting for MCA S4 Jury Evaluation-III for M.Plan S4, M.Arch S4	67	Sun	28			Wed	28	Bakrid	
Sat	29			Mon	29		87	Thu	29		109
Sun	30			Tue	30	Publish IA Marks for M.Arch S4, M.Plan S4	88	Fri	30		110
				Wed	31	Class Ends Publish Attendance for M.Arch S4, M.Plan S4	89				



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - February 2023 to September 2023

MBA S2 & M.Tech S2

Aug-23		Sep-23					Oct-23			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description
Tue	1		60	Fri	1			Sun	1	
Wed	2		61	Sat	2			Mon	2	Gandhi Jayanthi
Thu	3		62	Sun	3			Tue	3	
Fri	4		63	Mon	4	Commencement of End Semester Examination for MBA S2	78	Wed	4	
Sat	5			Tue	5		79	Thu	5	
Sun	6			Wed	6	Sreekrishna Jayanthi		Fri	6	
Mon	7		64	Thu	7		80	Sat	7	
Tue	8		65	Fri	8		81	Sun	8	
Wed	9		66	Sat	9			Mon	9	
Thu	10		67	Sun	10			Tue	10	
Fri	11		68	Mon	11		82	Wed	11	
Sat	12			Tue	12		83	Thu	12	
Sun	13			Wed	13	Third DLAC meeting for M.Tech S2	84	Fri	13	
Mon	14		69	Thu	14		85	Sat	14	
Tue	15	Independence Day		Fri	15		86	Sun	15	
Wed	16		70	Sat	16			Mon	16	
Thu	17	Series test to be completed for M.Tech S2	71	Sun	17			Tue	17	
Fri	18	Second Series test to be completed for MBA S2	72	Mon	18		87	Wed	18	
Sat	19			Tue	19		88	Thu	19	
Sun	20			Wed	20	Publish IA Marks for M.Tech S2	89	Fri	20	
Mon	21		73	Thu	21	Class Ends Publish Attendance for M.Tech S2	90	Sat	21	
Tue	22	Third CC meeting for MBA S2	74	Fri	22	Sree Narayana Guru Samadhi		Sun	22	
Wed	23		75	Sat	23			Mon	23	Mahanavami
Thu	24	Publish IA Marks for MBA S2	76	Sun	24			Tue	24	Vijayadasami
Fri	25	Class Ends Publish Attendance for MBA S2	77	Mon	25		91	Wed	25	
Sat	26			Tue	26		92	Thu	26	
Sun	27			Wed	27	Milad-I-Sherif		Fri	27	
Mon	28	First Onam		Thu	28		93	Sat	28	
Tue	29	Thiruvonam		Fri	29	Commencement of End Semester Examination for M.Tech S2	94	Sun	29	
Wed	30	Third Onam		Sat	30			Mon	30	
Thu	31	Fourth Onam						Tue	31	




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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - February 2023 to September 2023

MBA S2 & M.Tech S2

May-23				Jun-23				Jul-23			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	
Mon	1	May Day		Thu	1			Sat	1		
Tue	2			Fri	2			Sun	2		
Wed	3			Sat	3			Mon	3	Exam Registration begins for MBA S2, M.Tech S2	
Thu	4			Sun	4			Tue	4		
Fri	5			Mon	5			Wed	5		
Sat	6			Tue	6			Thu	6		
Sun	7			Wed	7			Fri	7		
Mon	8			Thu	8			Sat	8		
Tue	9			Fri	9			Sun	9		
Wed	10			Sat	10			Mon	10		
Thu	11			Sun	11			Tue	11		
Fri	12			Mon	12			Wed	12	Exam Registration ends for MBA S2, M.Tech S2	
Sat	13			Tue	13			Thu	13		
Sun	14			Wed	14			Fri	14		
Mon	15			Thu	15			Sat	15		
Tue	16			Fri	16			Sun	16		
Wed	17			Sat	17			Mon	17	Karkadaka Vavu	
Thu	18			Sun	18			Tue	18	Second CC meeting for MBA S2, Second DLAC meeting for M.Tech S2	
Fri	19			Mon	19			Wed	19		
Sat	20			Tue	20			Thu	20		
Sun	21			Wed	21			Fri	21		
Mon	22			Thu	22			Sat	22		
Tue	23			Fri	23			Sun	23		
Wed	24			Sat	24			Mon	24		
Thu	25			Sun	25			Tue	25		
Fri	26			Mon	26			Wed	26		
Sat	27			Tue	27			Thu	27		
Sun	28			Wed	28	Bakrid		Fri	28	Muharram	
Mon	29			Thu	29			Sat	29		
Tue	30			Fri	30			Sun	30		
Wed	31							Mon	31		



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - February 2023 to September 2023

MBA S2 & M.Tech S2

Feb-23		Mar-23		Apr-23						
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description
Wed	1			Wed	1		3	Sat	1	
Thu	2			Thu	2		4	Sun	2	
Fri	3			Fri	3		5	Mon	3	
Sat	4			Sat	4			Tue	4	
Sun	5			Sun	5			Wed	5	Course Selction and Course Mapping Ends for MBA S2,M.Tech S2
Mon	6			Mon	6		6	Thu	6	Maundy Thursday
Tue	7			Tue	7		7	Fri	7	Good Friday
Wed	8			Wed	8		8	Sat	8	
Thu	9			Thu	9	First CC Meeting for MBA S2	9	Sun	9	Easter
Fri	10			Fri	10		10	Mon	10	
Sat	11			Sat	11			Tue	11	
Sun	12			Sun	12			Wed	12	
Mon	13			Mon	13		11	Thu	13	
Tue	14			Tue	14		12	Fri	14	Dr.B.R. Ambedkar Jayanthi
Wed	15			Wed	15		13	Sat	15	Vishu
Thu	16			Thu	16		14	Sun	16	
Fri	17			Fri	17		15	Mon	17	
Sat	18	Shivaratri		Sat	18			Tue	18	
Sun	19			Sun	19			Wed	19	First Series test to be completed for MBA S2
Mon	20			Mon	20	Commencement of classes for M.Tech S2	16	Thu	20	
Tue	21			Tue	21	Course Selction and Course Mapping Begins for MBA S2,M.Tech S2	17	Fri	21	Eid-UI-Fitr
Wed	22			Wed	22		18	Sat	22	
Thu	23			Thu	23		19	Sun	23	
Fri	24			Fri	24	First DLAC Meeting for M.Tech S2	20	Mon	24	
Sat	25			Sat	25			Tue	25	
Sun	26			Sun	26			Wed	26	
Mon	27	Commencement of classes for MBA S2	1	Mon	27		21	Thu	27	
Tue	28		2	Tue	28		22	Fri	28	
				Wed	29		23	Sat	29	
				Thu	30		24	Sun	30	
				Fri	31		25			



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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Academic Calendar - February 2023 to September 2023

MBA S2 & M.Tech S2

Even Semester(2022-2023)

Sl.No	Important Events	Important Dates
1	Commencement of classes for MBA S2	27-02-2023
2	First CC Meeting for MBA S2	09-03-2023
3	Commencement of classes for M.Tech S2	20-03-2023
4	Course Selection and Course Mapping Begins for MBA S2,M.Tech S2	21-03-2023
5	First DLAC Meeting for M.Tech S2	24-03-2023
6	Course Selection and Course Mapping Ends for MBA S2,M.Tech S2	05-04-2023
7	First Series test to be completed for MBA S2	19-04-2023
8	Summer Vacation for MBA S2,M.Tech S2	01-05-2023 to 30-06-2023*
9	Exam Registration begins for MBA S2,M.Tech S2	03-07-2023
10	Exam Registration ends for MBA S2,M.Tech S2	12-07-2023
11	Second CC meeting for MBA S2, Second DLAC Meeting for M.Tech S2	18-07-2023
12	Series test to be completed for M.Tech S2	17-08-2023
13	Second Series test to be completed for MBA S2	18-08-2023
14	Third CC meeting for MBA S2	22-08-2023
15	Publish IA Marks for MBA S2	24-08-2023
16	Class Ends Publish Attendance for MBA S2	25-08-2023
17	Commencement of End Semester Examination for MBA S2	04-09-2023
18	Third DLAC meeting for M.Tech S2	13-09-2023
19	Second Series test to be completed for M.Tech S2	15-09-2023
20	Publish IA Marks for M.Tech S2	20-09-2023
21	Class Ends Publish Attendance for M.Tech S2	21-09-2023
22	Commencement of End Semester Examination for M.Tech S2	29-09-2023

Important Note * -The M. Tech S2/MBA S2 students have to undertake their mandatory internships as per the curriculum (As per the curriculum the internship is prior to the commencement of the third semester), for a duration of 6 to 8 weeks during the months of May and June 2023.



Sairajapathy

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NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE, PAMPADY

Academic Calendar -September 2022– January 2023 (S3, S5 and S7 B.TECH)

Day	September-22		October-22			November-22		
Thu	1		1	Sat	17	1	Tue	39
Fri	2		2	Sun	Gandhi Jayanthi	2	Wed	40
Sat	3		3	Mon	18 Completion of Module-II (S3)	3	Thu	41
Sun	4		4	Tue	Mahanavami	4	Fri	42
Mon	5	Onam vacation	5	Wed	Vijayadasami	5	Sat	43 .Series Test-I(S3, S5 & S7)
Tue	6		6	Thu	19 Completion of Module-I (S7)	6	Sun	
Wed	7		7	Fri	20 Completion of Module-I (S5)	7	Mon	44.Series Test-I(S3, S5 & S7)
Thu	8		8	Sat		8	Tue	45.Completion of Module-V (S3) .Series Test-I(S3, S5 & S7)
Fri	9		9	Sun		9	Wed	46.Completion of Module-IV (S7)
Sat	10		10	Mon	21	10	Thu	47 Completion of Module-IV (S5)
Sun	11		11	Tue	22	11	Fri	48
Mon	12	1.Commencement of Classes-S3 B.Tech	12	Wed	23.Course selection and mapping begins for S5 B.Tech	12	Sat	
Tue	13	2.Commencement of Classes-S7 B.Tech	13	Thu	24	13	Sun	
Wed	14	3	14	Fri	25	14	Mon	49
Thu	15	4	15	Sat	26	15	Tue	50
Fri	16	5	16	Sun		16	Wed	51
Sat	17	6	17	Mon	27. Completion of Module-III (S3)	17	Thu	52
Sun	18		18	Tue	28.Course selection and mapping ends for S5 B.Tech Completion of Module-II (S7)	18	Fri	53
Mon	19	7.Commencement of Classes-S5 B.Tech	19	Wed	29 Completion of Module-II (S5)	19	Sat	54 Completion of Module-VI (S3)
Tue	20	8	20	Thu	30	20	Sun	
Wed	21	Sree Narayana Guru Samadhi Day	21	Fri	31	21	Mon	55.Exam registration begins-S3/S5/S7 B.Tech Completion of Module-V (S7)
Thu	22	9 Completion of Module-I (S3)	22	Sat	32	22	Tue	56. Second CC meeting for S3/S5/S7 B.Tech Completion of Module-V (S5)
Fri	23	10	23	Sun		23	Wed	57
Sat	24	11	24	Mon	Deepavali	24	Thu	58
Sun	25		25	Tue	33	25	Fri	59
Mon	26	12.Course selection and mapping begins for S3 and S7 B.Tech	26	Wed	34	26	Sat	60
Tue	27	13.First CC meeting for S3/S5/S7 B.Tech	27	Thu	35	27	Sun	
Wed	28	14	28	Fri	36 Completion of Module-IV(S3)	28	Mon	61
Thu	29	15	29	Sat	37. Completion of Module-III (S7)	29	Tue	62
Fri	30	16.Course selection and mapping ends for S3 and S7 B.Tech	30	Sun		30	Wed	63.Exam registration ends-S3/S5/S7 B.Tech

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Sat			31	Mon	38 Completion of Module-III (S5)		
Day	December-22		January-23				
Thu	1	64 Completion of Module-VI (S7)	1	Sun			
Fri	2	65 Completion of Module-VI (S5)	2	Mon	Mannam Jayanthi		
Sat	3	66	3	Tue	83.Third CC meeting for S5 B.Tech Commencement of End semester Examination for S3 B.Tech		
Sun	4		4	Wed	84.Commencement of End semester Examination for S7 B.Tech		
Mon	5	67 ..Series Test-II(S3, S5 & S7)	5	Thu	85 Revision		
Tue	6	68..Series Test-II(S3, S5 & S7)	6	Fri	86.Publish IA marks for S5 B.Tech		
Wed	7	69..Series Test-II(S3, S5 & S7)	7	Sat	87.Class Ends/Publish attendance for S5 B.Tech.		
Thu	8	70 Revision	8	Sun			
Fri	9	71Revision	9	Mon	88		
Sat	10		10	Tue	89		
Sun	11		11	Wed	90		
Mon	12	72 Revision	12	Thu	91		
Tue	13	73 Revision	13	Fri	92		
Wed	14	74 Revision	14	Sat			
Thu	15	75 Revision	15	Sun			
Fri	16	76 Revision	16	Mon	93.Commencement of End semester Examination for S5 B.Tech		
Sat	17	77.Revision Third CC meeting for S3/S7 B.Tech	17	Tue	94		
Sun	18		18	Wed	95		
Mon	19	78 Revision	19	Thu	96		
Tue	20	79.Publish IA marks for S3 B.Tech	20	Fri	97		
Wed	21	80.Class Ends/Publish attendance for S3 B.Tech.	21	Sat	98		
Thu	22	81.Publish IA marks for S7 B.Tech	22	Sun			
Fri	23	82.Class Ends/Publish attendance for S7 B.Tech.	23	Mon			
Sat	24		24	Tue			
Sun	25	Christmas vacation	25	Wed			
Mon	26		26	Thu	Republic Day		
Tue	27		27	Fri			
Wed	28		28	Sat			
Thu	29		29	Sun			
Fri	30		30	Mon			
Sat	31		31	Tue			




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Note: Conduct one workshop/seminar per branch.

NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE, PAMPADY

Academic Calendar -January -June 2023 (S4 and S6 B.TECH)

Day	January-23	February-23	March-23
Sun	1	1 Wed	1 Wed 19
Mon	2 Mannam Jayanthi	2 Thu	2 Thu 20
Tue	3	3 Fri	3 Fri 21
Wed	4	4 Sat	4 Sat 22
Thu	5	5 Sun	5 Sun
Fri	6	6 Mon	6 Mon 23
Sat	7	7 Tue	7 Tue 24
Sun	8	8 Wed	8 Wed 25
Mon	9	9 Thu	9 Thu 26
Tue	10	10 Fri	10 Fri 27 Completion of Module-II (S4/S6)
Wed	11	11 Sat	11 Sat
Thu	12	12 Sun	12 Sun
Fri	13	13 Mon	13 Mon 28
Sat	14	14 Tue	14 Tue 29
Sun	15	15 Wed	15 Wed 30
Mon	16	16 Thu	16 Thu 31
Tue	17	17 Fri	17 Fri 32
Wed	18	18 Sat	18 Sat
Thu	19	19 Sun	19 Sun
Fri	20	20 Mon	20 Mon 33. Series Test-I(S4.S6)
Sat	21	21 Tue	21 Tue 34. Series Test-I(S4.S6)
Sun	22	22 Wed	22 Wed 35. Series Test-I(S4.S6)
Mon	23	23 Thu	23 Thu 36
Tue	24	24 Fri	24 Fri 37
Wed	25	25 Sat	25 Sat 38
Thu	26 Republic Day	26 Sun	26 Sun
Fri	27	27 Mon	27 Mon 39
Sat	28	28 Tue	28 Tue 40
Sun	29	29 Wed	29 Wed 41. Second CC Meeting for B.Tech S4/S6
Mon	30	30 Thu	30 Thu 42 Completion of Module-III (S4/S6)
Tue	31	31 Fri	31 Fri 43




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April-23			May-23			June-23		
Sat	1	44	1	Mon	May Day	1	Thu	60. Exam Registration Begins for B.Tech S4/S6
Sun	2		2	Tue		2	Fri	61
Mon	3	45	3	Wed		3	Sat	62
Tue	4		4	Thu		4	Sun	
Wed	5	46	5	Fri		5	Mon	63
Thu	6	Maundy Thursday	6	Sat		6	Tue	64. Completion of Module-V (S4/S6)
Fri	7	Good Friday	7	Sun		7	Wed	65
Sat	8		8	Mon		8	Thu	66. Exam Registration ends for B.Tech S4/S6
Sun	9	Easter	9	Tue		9	Fri	67. Third CC Meeting for B.Tech S4/S6
Mon	10	47	10	Wed		10	Sat	
Tue	11	48	11	Thu		11	Sun	
Wed	12	49	12	Fri		12	Mon	68
Thu	13	50	13	Sat		13	Tue	69
Fri	14	Dr.B R Ambedkar Jayanthi	14	Sun		14	Wed	70. Series Test-II(S4,S6.)
Sat	15	Vishu	15	Mon		15	Thu	71. Series Test-II(S4,S6.)
Sun	16		16	Tue		16	Fri	72. Series Test-II(S4,S6.)
Mon	17	51	17	Wed		17	Sat	
Tue	18	52	18	Thu		18	Sun	
Wed	19	53	19	Fri		19	Mon	73. Revision
Thu	20	54 Completion of Module-IV (S4/S6)	20	Sat		20	Tue	74. Revision
Fri	21		21	Sun		21	Wed	75. Revision
Sat	22	55	22	Mon		22	Thu	76. Revision
Sun	23		23	Tue		23	Fri	77. Revision
Mon	24	56	24	Wed		24	Sat	78. Revision
Tue	25	57	25	Thu	International Conference	25	Sun	
Wed	26	58	26	Fri	International Conference	26	Mon	79. Revision /Publish Attendance for B.Tech S4/S6.
Thu	27	59	27	Sat	International Conference	27	Tue	80. Class Ends. Publish Attendance for B.Tech S4/S6
Fri	28	60	28	Sun		28	Wed	Bakrid
Sat	29	61	29	Mon		29	Thu	
Sun	30		30	Tue		30	Fri	
Mon	31		31	Wed				





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July-23			August-23			September-23		
	1		1	Tue		1	Fri	Onam Vacation
Sun	2		2	Wed		2	Sat	
Mon	3		3	Thu		3	Sun	
Tue	4		4	Fri		4	Mon	
Wed	5		5	Sat		5	Tue	
Thu	6		6	Sun		6	Wed	Sreekrishna Jayanthi
Fri	7	Commencement of End semester Examination for S4, S6	7	Mon		7	Thu	
Sat	8		8	Tue		8	Fri	
Sun	9		9	Wed		9	Sat	
Mon	10		10	Thu		10	Sun	
Tue	11		11	Fri		11	Mon	
Wed	12		12	Sat		12	Tue	
Thu	13		13	Sun		13	Wed	
Fri	14		14	Mon		14	Thu	
Sat	15		15	Tue	Independence Day	15	Fri	
Sun	16		16	Wed		16	Sat	
Mon	17	Karkidaka Vavu	17	Thu		17	Sun	
Tue	18		18	Fri		18	Mon	
Wed	19		19	Sat		19	Tue	
Thu	20		20	Sun		20	Wed	
Fri	21		21	Mon		21	Thu	
Sat	22		22	Tue		22	Fri	
Sun	23		23	Wed		23	Sat	
Mon	24		24	Thu		24	Sun	
Tue	25		25	Fri		25	Mon	
Wed	26		26	Sat	Onam Vacation	26	Tue	
Thu	27		27	Sun		27	Wed	
Fri	28	Muharam	28	Mon		28	Thu	
Sat	29		29	Tue		29	Fri	
Sun	30		30	Wed		30	Sat	
Mon	31		31	Thu				

- * Conduct one workshop/seminar per branch.
- * Class test to be conducted after the completion of 4 hrs of classes.
- * Question bank with answers should be provided.
- * May 4th onwards Project completion/Revision of S8
- * June 7th onwards Revision/Tuition class/Remedial classes for S4 and S6




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NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE, PAMPADY

Academic Calendar -January -June 2023 (S8 B.TECH)

Day	January-23	February-23	March-23
Sun	1	1 Wed 3	1 Wed 25
Mon	2 Mannam Jayanthi	2 Thu 4	2 Thu 26
Tue	3	3 Fri 5.Course Selection and Mappingbegins for B.Tech S8	3 Fri 27 Completion of Module-II (S8)
Wed	4	4 Sat 6	4 Sat 28
Thu	5	5 Sun	5 Sun
Fri	6	6 Mon 7	6 Mon 29
Sat	7	7 Tue 8	7 Tue 30
Sun	8	8 Wed 9	8 Wed 31
Mon	9	9 Thu 10	9 Thu 32
Tue	10	10 Fri 11 First CC Meeting for B.Tech S8	10 Fri 33
Wed	11	11 Sat	11 Sat
Thu	12	12 Sun	12 Sun
Fri	13	13 Mon 12	13 Mon 34
Sat	14	14 Tue 13	14 Tue 35
Sun	15	15 Wed 14. Course Selection and Mapping ends for B.Tech S8	15 Wed 36
Mon	16	16 Thu 15	16 Thu 37
Tue	17	17 Fri 16	17 Fri 38
Wed	18	18 Sat Shivaratri	18 Sat
Thu	19	19 Sun	19 Sun
Fri	20	20 Mon 17	20 Mon 39. Series Test-I(S8)
Sat	21	21 Tue 18 Completion of Module-I(S8)	21 Tue 40. Series Test-I(S8)
Sun	22	22 Wed 19	22 Wed 41. Series Test-I(S8)
Mon	23	23 Thu 20	23 Thu 42
Tue	24	24 Fri 21	24 Fri 43
Wed	25	25 Sat 22	25 Sat 44
Thu	26 Republic Day	26 Sun	26 Sun
Fri	27	27 Mon 23	27 Mon 45
Sat	28	28 Tue 24	28 Tue 46 Completion of Module-III (S8)
Sun	29		29 Wed 47.Second CC Meeting for B.Tech S8
Mon	30 1. Commencement of classes for B.Tech S8		30 Thu 48
Tue	31 2		31 Fri 49



Nehru College of Engineering and Research Centre (Autonomous)
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Day	April-23			May-23			June-23		
Sat	1	50		1	Mon	May Day	1	Thu	92
Sun	2			2	Tue	68	2	Fri	93
Mon	3	51		3	Wed	69.Completion of Module-V(S8)	3	Sat	
Tue	4			4	Thu	70.Third CC Meeting for B.Tech S8	4	Sun	
Wed	5	52		5	Fri	71	5	Mon	Commencement of End Semester Examination for B.Tech S8.
Thu	6	Maundy Thursday		6	Sat	72	6	Tue	
Fri	7	Good Friday		7	Sun		7	Wed	
Sat	8			8	Mon	73	8	Thu	
Sun	9	Easter		9	Tue	74	9	Fri	
Mon	10	53		10	Wed	75	10	Sat	
Tue	11	54		11	Thu	76	11	Sun	
Wed	12	55		12	Fri	77	12	Mon	
Thu	13	56		13	Sat		13	Tue	
Fri	14	Dr.B R Ambedkar Jayanthi		14	Sun		14	Wed	
Sat	15	Vishu		15	Mon	78	15	Thu	
Sun	16			16	Tue	79	16	Fri	
Mon	17	57.Exam Registration Begins for B.Tech S8 Completion of Module-IV(S8)		17	Wed	80.Series Test-II(S8)	17	Sat	
Tue	18	58		18	Thu	81.Series Test-II(S8)	18	Sun	
Wed	19	59		19	Fri	82.Series Test-II(S8)	19	Mon	
Thu	20	60		20	Sat		20	Tue	
Fri	21			21	Sun		21	Wed	
Sat	22	61		22	Mon	83-Revision	22	Thu	
Sun	23			23	Tue	84.Revision	23	Fri	
Mon	24	62		24	Wed	85.Revision	24	Sat	
Tue	25	63		25	Thu	86.Revision/Publish attendance for B.Tech S8. International Conference	25	Sun	
Wed	26	64		26	Fri	87.Class Ends for B.Tech S8. International Conference	26	Mon	
Thu	27	65		27	Sat	88. International Conference	27	Tue	
Fri	28	66		28	Sun		28	Wed	Bakrid
Sat	29	67		29	Mon	89	29	Thu	
Sun	30			30	Tue	90	30	Fri	
				31	Wed	91			



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 Thiruvilwamala, Thrissur - 680588

NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE, PAMPADY

Academic Calendar - February 2023-September 2023 (S2 B.TECH)

Day	February-23		March-23		April-23	
Wed	1		1	Wed	1	Sat 17
Thu	2		2	Thu	2	Sun
Fri	3		3	Fri	3	Mon 18 Completion of Module II
Sat	4		4	Sat	4	Tue 19
Sun	5		5	Sun	5	Wed 20.Course selection and course mapping ends for B.Tech S2
Mon	6		6	Mon	6	Thu Maundy Thursday
Tue	7		7	Tue	7	Fri Good Friday
Wed	8		8	Wed	8	Sat
Thu	9		9	Thu	9	Sun Easter
Fri	10		10	Fri	10	Mon 21
Sat	11		11	Sat	11	Tue 22
Sun	12		12	Sun	12	Wed 23
Mon	13		13	Mon	13	Thu 24 1. Commencement of classes for B.Tech S2.
Tue	14		14	Tue	14	Fri 2 Dr.B.R Ambedkar Jayanthi
Wed	15		15	Wed	15	Sat 3 Vishu
Thu	16		16	Thu	16	Sun 4
Fri	17		17	Fri	17	Mon 5 25
Sat	18	Shivaratri	18	Sat	18	Tue 26
Sun	19		19	Sun	19	Wed 27 Completion of Module III
Mon	20		20	Mon	20	Thu 6 28
Tue	21		21	Tue	21	Fri 7.Course selection and course mapping begins for B.Tech S2 Eid-UI-Fitr
Wed	22		22	Wed	22	Sat 8 29
Thu	23		23	Thu	23	Sun 9 Completion of Module I
Fri	24		24	Fri	24	Mon 10.First C C Meeting for B.Tech S2. 30
Sat	25		25	Sat	25	Tue 11 31
Sun	26		26	Sun	26	Wed 12 32
Mon	27		27	Mon	27	Thu 13 33
Tue	28		28	Tue	28	Fri 14 34
			29	Wed	29	Sat 15 35
			30	Thu	30	Sun 16 IB
			31	Fri		



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Day	May-23		June-23			July-23		
Mon	1	May Day	1	Thu	36 Completion of Module IV	1	Sat	59
Tue	2		2	Fri	37	2	Sun	
Wed	3		3	Sat	38	3	Mon	60
Thu	4		4	Sun		4	Tue	61
Fri	5		5	Mon	39	5	Wed	62
Sat	6		6	Tue	40	6	Thu	63
Sun	7		7	Wed	41. Series Test-I(FN &AN)	7	Fri	64
Mon	8		8	Thu	42. Series Test-I(FN &AN)	8	Sat	
Tue	9		9	Fri	43. Series Test-I(FN &AN)	9	Sun	
Wed	10		10	Sat		10	Mon	65
Thu	11		11	Sun		11	Tue	66
Fri	12		12	Mon	44	12	Wed	67. Exam Registration ends for B.Tech S2
Sat	13		13	Tue	45	13	Thu	68
Sun	14		14	Wed	46	14	Fri	69
Mon	15		15	Thu	47. Second C C Meeting for B.Tech S2.	15	Sat	
Tue	16		16	Fri	48	16	Sun	
Wed	17		17	Sat		17	Mon	Karkidaka Vavu
Thu	18		18	Sun		18	Tue	70
Fri	19		19	Mon	49	19	Wed	71
Sat	20		20	Tue	50	20	Thu	72
Sun	21		21	Wed	51	21	Fri	73
Mon	22		22	Thu	52	22	Sat	74
Tue	23		23	Fri	53	23	Sun	
Wed	24		24	Sat	54	24	Mon	75.Series Test-II
Thu	25		25	Sun		25	Tue	76.Series Test-II
Fri	26		26	Mon	55	26	Wed	77.Series Test-II
Sat	27		27	Tue	56	27	Thu	78
Sun	28		28	Wed	Bakrid	28	Fri	Muharam
Mon	29		29	Thu	57	29	Sat	79
Tue	30		30	Fri	58..Exam Registration begins for B.Tech S2	30	Sun	
Wed	31					31	Mon	80




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Day	August-23			September-23			October-23		
Tue	1	81.Third C C Meeting for B.Tech S2.	1	Fri	Onam Vacation	1	Sun		
Wed	2	82	2	Sat		2	Mon	Gandhi Jayanthi	
Thu	3	83.Publish IA marks for B.Tech S2.	3	Sun		3	Tue		
Fri	4	84.Class Ends. Publish attendance for B.Tech S2.	4	Mon		4	Wed		
Sat	5		5	Tue		5	Thu		
Sun	6		6	Wed	Sreekrishna Jayanthi	6	Fri		
Mon	7		7	Thu		7	Sat		
Tue	8		8	Fri		8	Sun		
Wed	9		9	Sat		9	Mon		
Thu	10		10	Sun		10	Tue		
Fri	11		11	Mon		11	Wed		
Sat	12		12	Tue		12	Thu		
Sun	13		13	Wed		13	Fri		
Mon	14	Commencement of End semester Examination for B.Tech S2.	14	Thu		14	Sat		
Tue	15	Independence Day	15	Fri		15	Sun		
Wed	16		16	Sat		16	Mon		
Thu	17		17	Sun		17	Tue		
Fri	18		18	Mon		18	Wed		
Sat	19		19	Tue		19	Thu		
Sun	20		20	Wed		20	Fri		
Mon	21		21	Thu		21	Sat		
Tue	22		22	Fri	Sreenarayana Guru Samadhi	22	Sun		
Wed	23		23	Sat		23	Mon	Mahanavami	
Thu	24		24	Sun		24	Tue	Vijayadasami	
Fri	25		25	Mon		25	Wed		
Sat	26	Onam Vacation	26	Tue		26	Thu		
Sun	27		27	Wed	Milad-I-Sherif	27	Fri		
Mon	28		28	Thu		28	Sat		
Tue	29		29	Fri		29	Sun		
Wed	30		30	Sat		30	Mon		
Thu	31					31	Tue		

Note: Conduct one workshop/seminar per branch.



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NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

PAMPADY, THIRUVILWAMALA - 680 588

(ACCREDITED BY NAAC)

CONTACT CLASS TIME TABLE

Since 1968

Name of the Department:		DEPARMENT OF COMPUTER SCIENCE & ENGINEERING-NBA ACCREDITED							
Name of the Programme:		M.TECH							
Year & Semester:		I Yr-II			Academic Year:		2022-2023		
Batch:		2022-24			With effect from:		20/03/2023		
PERIOD	I	II	INTERVAL	III	LUNCH	IV	V	INTERVAL	VI
DAY	9:00am-10:00am	10:00am-11:00am		11:10am-12:10pm		01:00pm-02:00pm	02:00pm-03:00pm		03:10pm-04:00pm
MONDAY	222ECS035	222TCS004		222ECS014		222ECS014	222TCS100		222TCS100
TUESDAY	222TCS100	222LCS100		222EEC084		222PCS100	222PCS100		222EEC084
WEDNESDAY	222TCS004	222TCS004		222TCS004		222TCS100	222ECS035		222ECS035
THURSDAY	222EEC084	222TCS004		222EEC084		222ECS014	222ECS014		222ECS035
FRIDAY	222PCS100	222ECS035		222ECS014		222TCS100	222LCS100		222LCS100
STAFF ADVISOR		BABY V							
SLOT	SUBJECT CODE	NAME OF SUBJECT			NAME OF FACULTY		NO OF HRS/WEEK		
A	222TCS100	ADVANCED DATA STRUCTURES AND ALGORITHMS			Dr.SWATHY K		5		
B	222TCS004	NETWORK SECURITY			Ms. SWATHY		5		
C	222ECS035	SYSTEMS SECURITY			Ms.MINU AUGUSTINE		5		
D	222ECS014	INTERNET OF THINGS			MS.LEYA M S		5		
E	222EEC084	MEMS AND SENSORS			Ms. KIRAN		3		
S	222PCS100	MINI PROJECT			Mr SANTHOSH B		3		
T	222LCS100	COMPUTING LAB 2			MR. VIPIN		3		

TIME TABLE COORDINATORS

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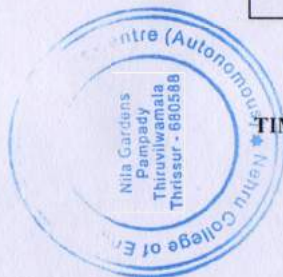
12/03/2023

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NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE		
PAMPADY, THIRUVILWAMALA - 680 588		
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CONTACT CLASS TIME TABLE		

Name of the Department:		DEPARMENT OF COMPUTER SCIENCE & ENGINEERING-NBA ACCREDITED					
Name of the Programme:		B.Tech					
Year & Semester:		IV Yr-VIII (B BATCH)			Academic Year:		2022-2023
Batch:		2019-2023			With effect from:		30/01/2023
PERIOD	I	II	III	IV	V	VI	
TIME DAY	9:00am-10:00am	10:00am-11:00am	11:10am-12:10pm	01:00pm-02:00pm	02:00pm-03:00pm	03:10pm-04:00pm	
MONDAY	CST 402	CST 424/CST 434	CST 402(T)	CST 458/CST 468	CST466/CST 476	CST466/CST 476	
TUESDAY	CST 458/CST 468	CST466/CST 476	CST466/CST 476(T)	CST 424/CST 434	CST 458/CST 468(T)	CST 404	L U N C H
WEDNESDAY	CST 424/CST 434	CST 404	CST 402	CST 458/CST 468	CST 424/CST 434(T)	CST 402	
THURSDAY	PROJECT CSD 416			PROJECT CSD 416			
FRIDAY	PROJECT CSD 416			PROJECT CSD 416			
SATURDAY	PROJECT CSD 416						
STAFF ADVISOR		Ms.Silja Varghese					
SLOT	SUBJECT CODE	NAME OF SUBJECT	NAME OF FACULTY	NO OF HRS/WEEK			
A	CST 402	DISTRIBUTED COMPUTING	Ms. SHIJI S	4			
B	CST 424	PROGRAMMING PARADIGMS	MS. LEYA M.S	4			
B	CST 434	NETWORK SECURITY PROTOCOLS	Ms.BETSY JOY	4			
C	CST 466	DATA MINING	Ms. PRAVEENA K	4			
C	CST 476	MOBILE COMPUTING	Ms. ISHWARYA S	4			
D	CST 458	SOFTWARE TESTING	Dr. K. SIVAKUMAR	4			
D	CST 468	BIO INFORMATICS	Mr. VIPIN K M	4			
T	CST 404	COMPREHENSIVE COURSE VIVA	Ms.LAYA ROSE	2			
U	CSD 416	PROJECT PHASE -II	MS. SHRUTHY /BETSY JOY	12			



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Silja

Praveena
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Silja Varghese
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Thiruvilwamala, Thrissur - 680588

NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE							
PAMPADY, THIRUVILWAMALA - 680 588							
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CONTACT CLASS TIME TABLE							
Name of the Department:		DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING-NBA ACCREDITED					
Name of the Programme:		B.Tech					
Year & Semester:		IV Yr-VIII (A BATCH)		Academic Year:		2022-2023	
Batch:		2019-2023		With effect from:		27/03/2023	
PERIOD	I	II	III	L U N C H	IV	V	VI
TIME DAY	9:00am-10:00am	10:00am-11:00am	11:10am-12:10pm		01:00pm-02:00pm	02:00pm-03:00pm	03:10pm-04:00pm
MONDAY	CST 402	CST 424/CST 434	CST 402(T)		CST 458/CST 468	CST466/CST 476	CST466/CST 476
TUESDAY	CST 458/CST 468	CST466/CST 476	CST466/CST 476(T)		CST 424/CST 434	CST 458/CST 468(T)	CST 402
WEDNESDAY	CST 424/CST 434	CST 402	CST 404		CST 458/CST 468	CST 424/CST 434(T)	CST 404
THURSDAY	PROJECT CSD 416				PROJECT CSD 416		
FRIDAY	PROJECT CSD 416				PROJECT CSD 416		
SATURDAY	PROJECT CSD 416						
STAFF ADVISOR		Mr. VIPIN K M					

SLOT	SUBJECT CODE	NAME OF SUBJECT	NAME OF FACULTY	NO OF HRS/WEEK
A	CST 402	DISTRIBUTED COMPUTING	Ms. RADHIKA K MANJUSHA	4
B	CST 424	PROGRAMMING PARADIGMS	MS. LEYA M.S	4
B	CST 434	NETWORK SECURITY PROTOCOLS	Ms.BETSY JOY	4
C	CST 466	DATA MINING	Ms. PRAVEENA K	4
C	CST 476	MOBILE COMPUTING	Ms. ISHWARYA S	4
D	CST 458	SOFTWARE TESTING	Dr. K. SIVAKUMAR	4
D	CST 468	BIO INFORMATICS	Mr. VIPIN K M	4
T	CST 404	COMPREHENSIVE COURSE VIVA	Dr SWATHI K	2
U	CSD 416	PROJECT PHASE -II	MS.LINTA A T/LEYA MS	12





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Thiruvilwamala, Thrissur - 680588

		NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE PAMPADY, THIRUVILWAMALA - 680 588 (ACCREDITED BY NAAC) CONTACT CLASS TIME TABLE					
Name of the Department:		DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING - NBA ACCREDITED					
Name of the Programme:		B.Tech					
Year & Semester :		III Yr - VI -(A BATCH)				Academic Year:	
Batch:		2020-2024				2022-2023	
						With effect from:	
						06-02-2023	
PERIOD	I	II	III	IV	V	VI	
TIME DAY	9:00am-10:00am	10:00am-11:00am	11:10am-12:10pm	01:00pm-02:00pm	02:00pm-03:00pm	03:10pm-04:00pm	
MONDAY	CST 306	CST 302(T)	CST 304	CST 302	CST 322/332/362	ADD ON	
TUESDAY	CSI. 332			CSD 334			
WEDNESDAY	CST 306(T)	CST 304	CST 306	HUT 300	CST 302	CST 304	
THURSDAY	CST 322/332/362	CST 302	CST 322/332/362(T)	HUT 300	CST 302	PLACEMENT	
FRIDAY	CST 302	HUT 300	CST 304(T)	LIBRARY	CST 306	CST 308	
SATURDAY	ADD ON	CST 306	CST 322/332/362	CST 308	CST 304	HUT 300	
STAFF ADVISOR		MS. SMITA UNNIKRISHNAN					

SLOT	SUBJECT CODE	NAME OF SUBJECT	NAME OF FACULTY	NO OF HRS/WEEK
A	CST 302	COMPILER DESIGN	Ms. ATHIRA P B	6
B	CST 304	COMPUTER GRAPHICS AND IMAGE PROCESSING	Mr. VIPIN K M	5
C	CST 306	ALGORITHM ANALYSIS AND DESIGN	MS.LINTA A T	5
D	CST 322	DATA ANALYTICS	Ms. MINU AUGUSTINE	4
D	CST 332	FOUNDATIONS OF SECURITY IN COMPUTING	Ms.SMITA UNNIKRISHNAN	4
D	CST 362	PROGRAMMING IN PYTHON	Ms.SREEJI S	4
E	HUT 300	INDUSTRIAL ECONOMICS & FOREIGN TRADE	Dr K SUBASHINI	4
F	CST 308	COMPREHENSIVE COURSE WORK	Ms. SWATHY	2
S	CSL 332	NETWORKING LAB	Ms. RADHIKA K MANJUSHA / Ms SHIJI S	3
T	CSD 334	MINIPROJECT	SMITA UNNIKRISHNAN/ Ms.SREEJI S	3
	VAC	BLOCKCHAIN	Ms.SWATHY	2
		LIBRARY	Ms. LEYA M S	1
		PLACEMENT	Ms.LINTA A T	1



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NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
PAMPADY, THIRUVILWAMALA - 680 588
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CONTACT CLASS TIME TABLE

Name of the Department:		DEPARMENT OF COMPUTER SCIENCE & ENGINEERING - NBA ACCREDITED						
Name of the Programme:		B.Tech						
Year & Semester :		III Yr - VI -(B BATCH)			Academic Year:		2022-2023	
Batch:		2020-2024			With effect from:		06-02-2023	
PERIOD	I	II	III	L U N C H	IV	V	VI	
TIME DAY	9:00am-10:00am	10:00am-11:00am	11:10am-12:10pm		01:00pm-02:00pm	02:00pm-03:00pm	03:10pm-04:00pm	
MONDAY	CST 302	CST 308	CST 306(T)		CST 304	CST 322/332/362	HUT 300	
TUESDAY	CST 302(T)	HUT 300	CST 306		CSL 332			
WEDNESDAY	CST 304	CST 302	CST 306		HUT 300	ADD ON	CST 306	
THURSDAY	CST 322/332/362	CST 304	CST 322/332/362(T)		CSD 334			
FRIDAY	CST 304(T)	PLACEMENT	CST 302		LIBRARY	ADD ON	CST 302	
SATURDAY	CST 306	CST 302	CST 322/332/362		CST 304	HUT 300	CST 308	
STAFF ADVISOR		Ms.Shruthy						
SLOT	SUBJECT CODE	NAME OF SUBJECT			NAME OF FACULTY		NO OF HRS/WEEK	
A	CST 302	COMPILER DESIGN		Ms. BABY V		6		
B	CST 304	COMPUTER GRAPHICS AND IMAGE PROCESSING		Ms. RADHIKA K MANJUSHA		5		
C	CST 306	ALGORITHM ANALYSIS AND DESIGN		MS. SHRUTHY M R		5		
D	CST 322	DATA ANALYTICS		Ms. MINU AUGUSTINE		4		
D	CST 332	FOUNDATIONS OF INFORMATION SECURITY		Ms. SMITA UNNIKRISHNAN		4		
D	CST 362	PROGRAMMING IN PYTHON		Ms.SREEJI S		4		
E	HUT 300	INDUSTRIAL ECONOMICS & FOREIGN TRADE		Ms MINU AUGUSTINE		4		
F	CST 308	COMPREHENSIVE COURSE WORK		Ms. PRAVEENA K		2		
S	CSL 332	NETWORKING LAB		Ms ATHIRA P B/Ms. SWATHY		3		
T	CSD 334	MINIPROJECT		Ms. MINU/Ms LAYA ROSE		3		
	VAC	ANDROID PROGRAMMING		Mr. SANTOSH B		2		
		LIBRARY		Ms. RADHIKA K MANJUSHA		1		
		PLACEMENT		MS. SHRUTHY M R		1		



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 PAMPADY, THIRUVILWAMALA, THRISSUR DIST
FACULTY-SUBJECT ALLOCATION
 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
 ACADEMIC YEAR: 2022-2023 (EVEN Semester - UG & PG)



Sl.No	Name of the Faculty	Teaching Type	Sub. Code	Subject/Seminar/Lab Name	Sem	No of periods			Total (Actual Workload)
						Theory	Lab/ Lib*	Project*	
1	Dr KARIBASAPPA KWADIKI	REGULAR	224PCS001	PROJECT	S4 M TECH			4	4
2	Dr AMBIKA DEVIAMMA T	REGULAR	224PCS001	PROJECT	S4 M TECH			4	4
3	Dr SIVAKUMAR K	REGULAR	CST 458	SOFTWARE TESTING	S8 CSE A&B	4			9
			222TCS004	NETWORK SECURITY	S2 MTECH	5			
4	Dr SWATHI K	REGULAR	222TCS100	ADVANCED DATA STRUCTURES AND ALGORITHMS	S2 CYBER	5			9
			CST 404	COMPRHENSIVE WORK	S8 CSE A	2			
			ADD ON	HTML	S2 CSE A	2			
5	Dr K SUBASHINI	REGULAR	MCN 202	CONSTITUTION OF INDIA	S4 CSE A	3			8
			HUT 300	INDUSTRIAL ECONOMICS & FOREIGN TRADE	S6 CSE A	3			
			ADD ON	INFORMATION TECHNOLOGY	S4 CSE B	2			
6	Dr T PRASANTH	REGULAR	CSD 334	MINI PROJECT	S6 CSE A			3	3
7	Dr P K SASIKUMAR	REGULAR	222PCS100	MINI PROJECT	S2 MTECH			3	3
8	Dr V PRIYA	REGULAR	CSD 334	MINI PROJECT	S6 CSE B			3	3
9	Mr VIPIN KM	REGULAR	CST 304	COMPUTER GRAPHICS AND IMAGE PROCESSING	S6 CSE A	4			11
			CST 468	BIOINFORMATICS	S8 CSE A&B	4			
			222LCS100	COMPUTING LAB II	S2 CYBER			3	
10	Ms SILJA VARGHESE PALATTY	REGULAR	CST 204	DATABASE MANAGEMENT SYSTEMS	S4 CSE A	4			14
			CST 206	OPERATING SYSTEMS	S4 CSE B	4			
			CSL 204	OPERATING SYSTEMS LAB	S4 CSE B			6	



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22	Ms BETSY JOY	REGULAR	CST 204	DATABASE MANAGEMENT SYSTEMS	S4 CSE B	4			14
			CST 434	NETWORK SECURITY PROTOCOLS	S8 CSE A & B	4			
			CSD 416	PROJECT	S8 CSE B			6	
23	Ms MINU AUGUSTINE	REGULAR	CST 322	DATA ANALYTICS	S6 CSE A&B	3			14
			HUT 300	INDUSTRIAL ECONOMICS & FOREIGN TRADE	S6 CSE B	3			
			222ECS035	SYSTEM SECURITY	M.TECH	5			
			CSD 334	MINI PROJECT	S6 CSE B			3	
24	Ms ATHIRA K B	REGULAR	CST 302	COMPILER DESIGN	S6 CSE A	5			13
			EST 102	C PROGRAMMING	S2 EEE,ME,MTR	5			
			CSL 332	COMPUTER NETWORK LAB	S6 CSE B			3	
25	Ms SWATHY C S	REGULAR	ADD ON	BLOCKCHAIN	S6 CSE A	2			13
			ADD ON	HTML	S2 CSE B	2			
			CSL 204	OPERATING SYSTEMS LAB	S4 CSE A			6	
			CSL 332	COMPUTER NETWORK LAB	S6 CSE B			3	
26	Mr SANTHOSH B	REGULAR	ADD ON	ANDROID PROGRAMMING	S6 CSE B	2			7
			222PCS100	MINI PROJECT	S2 MTECH			3	
			ADD ON	HTML	S2 CSE AI	2			

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NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

(Re-Accredited by NAAC)

PAMPADY, THIRUVILWAMALA, THRISSUR (DT) – 680 588

(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



NCERC/3125/S/AC/10/23

24.03.2023

CIRCULAR

**Subject: NCERC – Schedule for conducting First Series Test – IV Semester
B. Tech. Programmes – Regarding**

It is informed that the **First Series Test** for IV Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for First Series Test –IV Semester

Date and day	Session	Time	Subject Code
30.03.2023 (Thursday)	FN	9.30 AM – 11.30 AM	CST202/ECT206/MET206/ EET206/MRT206
	AN	1.30 PM – 3.30 PM	MCN202 (Common to all)
31.03.2023 (Friday)	FN	9.30 AM – 11.30 AM	CST206/ECT204/MET202/ EET202/MRT202
	AN	1.30 PM – 3.30 PM	EST200/ HUT200
01.04.2023 (Saturday)	FN	9.30 AM – 11.30 AM	MAT206/MAT204/MAT202
	AN	1.30 PM – 3.30 PM	CST204/ECT202/MET204/ EET204/MRT204

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Coordinator, Series Tests.

To be read in all IV Semester classes

Academic Office Superintendent *[Signature]*



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NCERC/3125/S/AC/02/23

16.01.2023

CIRCULAR

**Subject: NCERC – Schedule for conducting Second Series Test – I Semester
B. Tech. Programmes – Regarding**

It is informed that the **Second Series Test** for I Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for Second Series Test –I Semester

Date and day	Session	Time	Subject Code
23.01.2023 (MONDAY)	FN	9.30 AM – 11.30 AM	MAT101
	AN	2.00 PM – 4.00 PM	EST120/EST130 (PART A)
24.01.2023 (TUESDAY)	FN	9.30 AM – 11.30 AM	CYT100/PHT100
	AN	2.00 PM – 4.00 PM	EST120/EST130 (PART B)
25.01.2023 (WEDNESDAY)	FN	9.30 AM – 11.30 AM	HUN101
	AN	2.00 PM – 4.00 PM	EST100

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16/01/23
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Coordinator, First Year B.Tech. Programme

To be read in all I Semester classes

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NCERC/3125/S/AC/01/23

16.01.2023

CIRCULAR

**Subject: NCERC – Schedule for conducting Re Test – I Semester
B. Tech. Programmes – Regarding**

It is informed that the **Re Test** for **I Semester B.Tech. Programmes** will be conducted as per the schedule given below:-

Table 1. Time Table for Re Test –I Semester

Date and day	Session	Time	Subject Code
02.02.2023 (THURSDAY)	FN	9.30 AM – 11.30 AM	MAT101
	AN	2.00 PM – 4.00 PM	EST120/EST130 (PART A)
03.02.2023 (FRIDAY)	FN	9.30 AM – 11.30 AM	CYT100/PHT100
	AN	2.00 PM – 4.00 PM	EST120/EST130 (PART B)
04.02.2023 (SATURDAY)	FN	9.30 AM – 11.30 AM	HUN101
	AN	2.00 PM – 4.00 PM	EST100

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Coordinator, First Year B.Tech. Programme

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NCERC/3125/SI/AC/87/22

16.12.2022

CIRCULAR

**Subject: NCERC – Revised Schedule for conducting Second Series Test– V Semester
B.Tech. Programmes – Regarding**

It is informed that the Second Series Test scheduled from 15.12.2022 is postponed as per the schedule given below:-

Table 1. Revised Time Table for Second Series Test –V Semester

Date and day	Session	Time	Subject Code
21.12.2022 (WEDNESDAY)	FN	9.30 AM – 11.30 AM	CST307/EET305/ECT303/ MET301 For ME/MRT303
	AN	2.00 PM – 4.00 PM	MCN301 Common to All
22.12.2022 (THURSDAY)	FN	9.30 AM – 11.30 AM	CST305/EET301/ECT307/ MET307/MET301 For MTR
	AN	2.00 PM – 4.00 PM	CST309/HUT310 for EEE /HUT300 for EC,ME & MTR
23.12.2022 (FRIDAY)	FN	9.30 AM – 11.30 AM	CST301/EET307/ECT301/ MET303/MRT305
	AN	1.00 PM – 3.00 PM	CST303/EET303/ECT305/ MET305/MRT307

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16/12/22
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Coordinator, Series Tests

To be read in all V Semester classes

Academic Office Superintendent/ Campus Manager



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NCERC/3125/S/AC/18/22

26.11.2022

CIRCULAR

**Subject: NCERC – Schedule for conducting First Series Test – I Semester
B. Tech. Programmes – Regarding**

It is informed that the First Series Test for I Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for First Series Test –I Semester

Date and day	Session	Time	Subject Code
12.12.2022 (MONDAY)	FN	9.30 AM – 11.30 AM	MAT101
	AN	2.00 PM – 4.00 PM	EST120/EST130 (PART A)
13.12.2022 (TUESDAY)	FN	9.30 AM – 11.30 AM	CYT100/PHT100
	AN	2.00 PM – 4.00 PM	EST120/EST130 (PART B)
14.12.2022 (WEDNESDAY)	FN	9.30 AM – 11.30 AM	EST100/EST110

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To be read in all I Semester classes

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NCERC/3125/S/AC/81/22

26.11.2022

CIRCULAR

**Subject: NCERC – Schedule for conducting Re Test – III Semester
B. Tech. Programmes – Regarding**

It is informed that the Re Test for III Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for Re Test –III Semester

Date and day	Session	Time	Subject Code
16.12.2022 (FRIDAY)	FN	9.30 AM – 11.30 AM	CST203/MAT201 for EEE,ECE,ME,MTR
	AN	2.00 PM – 4.00 PM	MCN201 (Common to all)
19.12.2022 (MONDAY) †	FN	9.30 AM – 11.30 AM	CST205 /EET203/ECT203/ MET201/MRT205
	AN	2.00 PM – 4.00 PM	HUT200 for CSE EST200 for EEE/ECE/ME/MTR
20.12.2022 (TUESDAY)	FN	9.30 AM – 11.30 AM	MAT203 for CSE/ EET205/ECT205/MET203/MRT201
	AN	2.00 PM – 4.00 PM	CST201/EET201/ECT201/ MET205/MRT203

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NCERC/3125/S/AC/82/22

26.11.2022

CIRCULAR

**Subject: NCERC – Schedule for conducting Second Series Test – III Semester
B. Tech. Programmes – Regarding**

It is informed that the **Second Series Test** for **III Semester B.Tech. Programmes** will be conducted as per the schedule given below:-

Table 1. Time Table for Second Series Test –III Semester

Date and day	Session	Time	Subject Code
12.12.2022 (MONDAY)	FN	9.30 AM – 11.30 AM	CST203/MAT201 for EEE,ECE,ME,MTR
	AN	2.00 PM – 4.00 PM	MCN201 (Common to all)
13.12.2022 (TUESDAY)	FN	9.30 AM – 11.30 AM	CST205 /EET203/ECT203/ MET201/MRT205
	AN	2.00 PM – 4.00 PM	HUT200 for CSE EST200 for EEE/ECE/ME/MTR
14.12.2022 (WEDNESDAY)	FN	9.30 AM – 11.30 AM	MAT203 for CSE/ EET205/ECT205/MET203/MRT201
	AN	2.00 PM – 4.00 PM	CST201/EET201/ECT201/ MET205/MRT203

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NCERC/3125/S/AC/83/22

01.12.2022

CIRCULAR

**Subject: NCERC – Schedule for conducting Second Series Test – V Semester
B. Tech. Programmes – Regarding**

It is informed that the Second Series Test for V Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for Second Series Test –V Semester

Date and day	Session	Time	Subject Code
15.12.2022 (THURSDAY)	FN	9.30 AM – 11.30 AM	CST307/EET305/ECT303/ MET301 For ME/MRT303
	AN	2.00 PM – 4.00 PM	MCN301 Common to All
16.12.2022 (FRIDAY)	FN	9.30 AM – 11.30 AM	CST305/EET301/ECT307/ MET307/MET301 For MTR
	AN	2.00 PM – 4.00 PM	CST309/HUT310 for EEE /HUT300 for EC,ME & MTR
19.12.2022 (MONDAY)	FN	9.30 AM – 11.30 AM	CST301/EET307/ECT301/ MET303/MRT305
	AN	2.00 PM – 4.00 PM	CST303/EET303/ECT305/ MET305/MRT307

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Academic Office Superintendent/Campus Manager



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10.11.2021


CIRCULAR

**Subject: NCERC – Schedule for conducting First Series Test – VII Semester
B. Tech. Programmes – Regarding**

It is informed that the **First Series Test** for VII Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for First Series Test –VII Semester

Date and day	Session	Time	Subject Code
17.11.2021 (WEDNESDAY)	FN	9.30 AM - 11.30 AM	CS401/EC401/EE401/ ME401/MR401
	AN	2.00 PM – 4.00 PM	CS403/EC403/EE403/ ME403/MR403
18.11.2021 (THURSDAY)	FN	9.30 AM - 11.30 AM	CS405/EC405/EE405/ ME405/MR405
	AN	2.00 PM – 4.00 PM	CS407/EC407/EE407/ ME407/MR407
19.11.2021 (FRIDAY)	FN	9.30 AM - 11.30 AM	CS409/EC409/EE409/ ME409/MR409
	AN	2.00 PM – 4.00 PM	CS463/CS467/EC433/EE469/ ME463/IE306/MR465


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Coordinator, First Year B.Tech. Programme

To be publish in all VII Semester classes

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NCERC/3125/S/AC/80/22

26.11.2022

CIRCULAR

**Subject: NCERC – Schedule for conducting Second Series Test – VII Semester
B. Tech. Programmes – Regarding**

It is informed that the Second Series Test for VII Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for Second Series Test –VII Semester

Date and day	Session	Time	Subject Code
12.12.2022 (MONDAY)	FN	9.30 AM – 11.30 AM	CST401/ECT401/EET401/ MET401/MRT401
	AN	2.00 PM – 4.00 PM	CST423/CST433/ECT413/ EET413/MET453/MRT433
13.12.2022 (TUESDAY)	FN	9.30 AM – 11.30 AM	CST415/ECT425/EET435/ MET455/MRT425
	AN	2.00 PM – 4.00 PM	MCN401 (Common to All)

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To be read in all VII Semester classes

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NCERC/3125/S/AC/12/23

24.03.2023


CIRCULAR

**Subject: NCERC – Schedule for conducting First Series Test – VIII Semester
B. Tech. Programmes – Regarding**

It is informed that the **First Series Test** for **VIII Semester B.Tech. Programmes** will be conducted as per the schedule given below:-

Table 1. Time Table for First Series Test – VIII Semester


Date and day	Session	Time	Subject Code
30.03.2023 (Thursday)	FN	9.30 AM – 11.30 AM	CST402/ECT402/MET402/ EET402/MRT402
	AN	1.30 PM – 3.30 PM	CST424/CST434/ECT474/ EET424/MET414/MRT424
31.03.2023 (Friday)	FN	9.30 AM – 11.30 AM	CST466/CST476/ECT426/ EET436/MET416/MRT416
	AN	1.30 PM – 3.30 PM	CST458/CST468/ECT468/ EET468/MET468/MRT428


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NCERC/3125/S/AC/11/23

24.03.2023

CIRCULAR

**Subject: NCERC – Schedule for conducting First Series Test – VI Semester
B. Tech. Programmes – Regarding**

It is informed that the **First Series Test** for VI Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for First Series Test – VI Semester

Date and day	Session	Time	Subject Code
30.03.2023 (Thursday)	FN	9.30 AM – 11.30 AM	CST302/ECT304/MET306/ EET302/MRT304
	AN	1.30 PM – 3.30 PM	HUT300/HUT310
31.03.2023 (Friday)	FN	9.30 AM – 11.30 AM	CST304/ECT306/MET304/ EET304/MRT306
	AN	1.30 PM – 3.30 PM	CST322/CST332/ECT342/ MET312/EET322/MRT322
01.04.2023 (Saturday)	FN	9.30 AM – 11.30 AM	CST306/ECT302/MET302/ EET306/MRT302

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To be read in all VI Semester classes

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NCERC/3125/S/AC/84/22

01.12.2022

CIRCULAR

**Subject: NCERC – Schedule for conducting Re Test – V Semester
B. Tech. Programmes – Regarding**

It is informed that the Re Test for V Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for Re Test –V Semester

Date and day	Session	Time	Subject Code
03.01.2023 (TUESDAY)	FN	9.30 AM – 11.30 AM	CST307/EET305/ECT303/ MET301 For ME/MRT303
	AN	2.00 PM – 4.00 PM	MCN301 Common to All
04.01.2023 (WEDNESDAY)	FN	9.30 AM – 11.30 AM	CST305/EET301/ECT307/ MET307/MET301 For MTR
	AN	2.00 PM – 4.00 PM	CST309/HUT310 for EEE /HUT300 for EC,ME & MTR
05.01.2023 (THURSDAY)	FN	9.30 AM – 11.30 AM	CST301/EET307/ECT301/ MET303/MRT305
	AN	2.00 PM – 4.00 PM	CST303/EET303/ECT305/ MET305/MRT307

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NCERC/3125/S/AC/74/22

15.11.2022

CIRCULAR

The Series Test-I for S3 and S5 B.Tech Minor Courses is scheduled on November 18, 2022 from 9.30 am to 11.30 pm. The regular classes will commence from 11.40 am onwards.

The Series Test -I for S5 and S7 B.Tech Honours is scheduled on November 18, 2022 from 2.00pm to 4.00pm. The remedial classes will be as per the class time table.

Uho
Principal
15/11/22

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CM/AOS

Read in all S3, S5, S7 classes.



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NCERC/3125/S/AC/04/23

06.02.2023

CIRCULAR

**Subject: NCERC – Schedule for conducting Internal Lab Examinations -I Semester
B. Tech. Programmes – Regarding**

It is informed that the **Internal Lab Examinations for I Semester B.Tech. Programmes** will be conducted as per the schedule given below:-

Table 1. Time Table for Internal Lab Examinations – I Semester

Date and day	Session	Time	Subject Code
07.02.2023 (TUESDAY)	AN	2.00 PM – 3.00 PM	CYL120/PHL120
08.02.2023 (WEDNESDAY)	AN	2.00 PM – 3.00 PM	ESL120/ESL130

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NCERC/3125/S/AC/71/22

03.11.2022

CIRCULAR

In continuation of the Circular No.NCERC/3125/S/AC/68/22 dated 25.10.2022, the series test scheduled from 05.11.2022 is postponed to November 9, 10 and 11, 2022 without any change in the time schedule and subjects.

[Handwritten Signature]
Principal
03/11/2022

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CM/AOS
To read in S3, S5 and S7 classes



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NCERC/3125/S/AC/61/22

27.09.2022

CIRCULAR

Subject: NCERC - Schedule for conducting First Series Test - III Semester
M. Tech. Programmes - Regarding

It is informed that the First Series Test for III Semester M.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for First Series Test - III Semester

Date and day	Session	Time	Subject Code
30.09.2022 (FRIDAY)	FN	9.30 AM - 11.30 AM	08CS7213/08EC7313
	AN	2.00 PM - 4.00 PM	08CS7223/08EC7323

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NCERC/3125/S/AC/79/22

26.11.2022

CIRCULAR

**Subject: NCERC – Schedule for conducting Re Test – VII Semester
B. Tech. Programmes – Regarding**

It is informed that the Re Test for VII Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for Re Test –VII Semester

Date and day	Session	Time	Subject Code
19.12.2022 (MONDAY)	FN	9.30 AM – 11.30 AM	CST401/ECT401/EET401/ MET401/MRT401
	AN	2.00 PM – 4.00 PM	CST423/CST433/ECT413/ EET413/MET453/MRT433
20.12.2022 (TUESDAY)	FN	9.30 AM – 11.30 AM	CST415/ECT425/EET435/ MET455/MRT425
	AN	2.00 PM – 4.00 PM	MCN401 (Common to All)

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Coordinator, Series Tests

To be read in all VII Semester classes

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Nile Gardens, Pampady
Thiruvilwamala, Thrissur - 680588



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(NAAC Accredited)
PAMPADY, THIRUVILWAMALA, THRISSUR (DT) - 680 588
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



NCERC/3125/S/AC/66/22

25.10.2022

CIRCULAR

Subject: NCERC - Schedule for conducting First Series Test - III Semester
B. Tech. Programmes - Regarding

It is informed that the First Series Test for III Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for First Series Test -III Semester

Date and day	Session	Time	Subject Code
05.11.2022 (SATURDAY)	FN	9.30 AM - 11.30 AM	CS1203/MAT201 for EEE,ECE,ME,MTR
	AN	2.00 PM - 4.00 PM	MCN201 (Common to all)
07.11.2022 (MONDAY)	FN	9.30 AM - 11.30 AM	CST205 /EET203/ECT203/ MET201/MRT205
	AN	2.00 PM - 4.00 PM	HUT200 for CSE EST200 for EEE/ECE/ME/MTR
08.11.2022 (TUESDAY)	FN	9.30 AM - 11.30 AM	MAT203 for CSE/ EET205/ECT205/MET203/MRT201
	AN	2.00 PM - 4.00 PM	CST201/EET201/ECT201/ MET205/MRT203


Principal

Copy to: All HoDs, for action and to circulate among all Faculty Members.

Coordinator, Series Tests.

To be read in all III Semester classes

Academic Office Superintendent/ Campus Manager




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NCERC/3125/S/AC/68/22

25.10.2022

CIRCULAR

Subject: NCERC - Schedule for conducting First Series Test - VII Semester
B. Tech. Programmes - Regarding

It is informed that the First Series Test for VII Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for First Series Test -VII Semester

Date and day	Session	Time	Subject Code
05.11.2022 (SATURDAY)	FN	9.30 AM - 11.30 AM	CST401/ECT401/EET401/ MET401/MRT401
	AN	2.00 PM - 4.00 PM	CST423/CST433/ECT413/ EET413/MET453/MRT433
07.11.2022 (MONDAY)	FN	9.30 AM - 11.30 AM	CST415/ECT425/EET435/ MET455/MRT425
	AN	2.00 PM - 4.00 PM	MCN401 (Common to All)

Cfo
25/10/22
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Copy to: All HoDs, for action and to circulate among all Faculty Members.

Coordinator, Series Tests

To be read in all VII Semester classes

Academic Office Superintendent/ Campus Manager



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NCERC/3125/S/AC/67/22

25.10.2022

CIRCULAR

**Subject: NCERC – Schedule for conducting First Series Test – V Semester
B. Tech. Programmes – Regarding**

It is informed that the First Series Test for V Semester B.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for First Series Test –V Semester

Date and day	Session	Time	Subject Code
05.11.2022 (SATURDAY)	FN	9.30 AM – 11.30 AM	CST307/EET305/ECT303/ MET301 For ME/MRT303
	AN	2.00 PM – 4.00 PM	MCN301 Common to All
07.11.2022 (MONDAY)	FN	9.30 AM – 11.30 AM	CST305/EET301/ECT307/ MET307/MET301 For MTR
	AN	2.00 PM – 4.00 PM	CST309/HUT310 for EEE /HUT300 for EC,ME & MTR
08.11.2022 (TUESDAY)	FN	9.30 AM – 11.30 AM	CST301/EET307/ECT301/ MET303/MRT305
	AN	2.00 PM – 4.00 PM	CST303/EET303/ECT305/ MET305/MRT307

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Coordinator, Series Tests

To be read in all V Semester classes

Academic Office Superintendent/ Campus Manager



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NCERC/3125/S/AG/75/22

15.11.2022

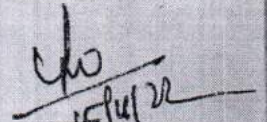
CIRCULAR

**Subject: NCERC – Schedule for conducting Second Series Test – III Semester
M. Tech. Programmes – Regarding**

It is informed that the Second Series Test for III Semester M.Tech. Programmes will be conducted as per the schedule given below:-

Table 1. Time Table for Second Series Test – III Semester M Tech

Date and day	Session	Time	Subject Code
18.11.2022 (FRIDAY)	FN	9.30 AM – 11.30 AM	08CS7213/08EC7313
	AN	2.00 PM – 4.00 PM	08CS7223/08EC7323


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Copy to: All HoDs, for action and to circulate among all Faculty Members.

Coordinator, Series Tests/Joint Coordinator, Series Tests

To be publish in all III Semester M Tech classes

Academic Office Superintendent/Welfare Officer/Workshop Suptd

Campus Manager/HR




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DEPARTMENT OF: Electronics & Communication Engineering

Name of the Faculty : Ms. KIRAN.M

Branch / Course : B.Tech / ECE

Year & Semester : IIIrd Year / SG

Subject Code : ECT 306

Name of the Subject : Information Theory and Coding

Objective of the Course :

- To lay down the foundation of information theory introducing both source coding and channel coding.
- To expose students to algebraic and probabilistic error-control codes that are used for reliable transmission.

RECORD CHECKING

Month	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Initial of HOD	<i>[Signature]</i>								<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Initial of Principal	<i>[Signature]</i>								<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



Final Verification By

[Signature]

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 Principal

TIME TABLE

DAYS / PERIODS	1	2	3	4	5	6	7
Monday							
Tuesday	ECT 306						
Wednesday				ECT 306			
Thursday					ECT 306		
Friday		ECT 306					
Saturday		ECT 306					

Total No. of Periods / Week : 5

WORK LOAD

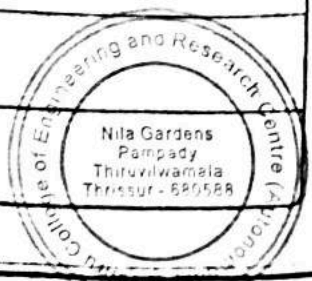
Subject Code	Theory / Practical / Project	Sem	Periods/Week	Remarks
ECT 306	Theory	S6	5	
ECD 416	Project	S8	6	
ECL 202	Practical	S4	6	
CSL 202	Practical	S4	6	
	Theory	S2 M.Tech	4	

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TOTAL
Periods / Week

27

Administrative Work, If any :-




DEPARTMENT VISION

Providing Universal Communicative Electronics Engineers with corporate and social relevance towards sustainable developments through quality education.

DEPARTMENT MISSION

- Imparting quality education by providing excellent teaching, learning environment.
- Transforming and adopting students in this knowledgeable era, where the electronic gadgets are getting obsolete in short span.
- In initiate multi-disciplinary activities to students at earliest and apply in their respective fields of interest later.
- Promoting leading edge Research & Development through collaboration with academia & industry.




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ECT306	INFORMATION THEORY AND CODING	CATEGORY	L	T	P	CREA
		PCC	3	1	0	4

Preamble: This course aims to lay down the foundation of information theory introducing both source coding and channel coding. It also aims to expose students to algebraic and probabilistic error-control codes that are used for reliable transmission.

Prerequisite: MAT 201 Linear Algebra and Calculus, MAT 204 Probability, Random Process and Numerical Methods, ECT 204 Signals and Systems.

Course Outcomes: After the completion of the course the student will be able to

CO 1	Explain measures of information – entropy, conditional entropy, mutual information
CO 2	Apply Shannon's source coding theorem for data compression.
CO 3	Apply the concept of channel capacity for characterize limits of error-free transmission.
CO 4	Apply linear block codes for error detection and correction
CO 5	Apply algebraic codes with reduced structural complexity for error correction
CO 6	Understand encoding and decoding of convolutional and LDPC codes

Mapping of course outcomes with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3										
CO 2	3	3	2	3	3							
CO 3	3	3	2	3	3	2						2
CO 4	3	3	2	3	3	2						2
CO 5	3	3	2	3	3	2						2
CO 6	3	3	2	3	3	2						2

Assessment Pattern

Bloom's Category	Continuous Assessment Tests		End Semester Examination
	1	2	
Remember	10	10	20
Understand	30	30	60
Apply	10	10	20
Analyse			
Evaluate			
Create			

Mark distribution

Total Marks	CIE	ESE	ESE Duration
150	50	100	3 hours

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Course Outcome 5 (CO5): Convolutional and LDPC Codes
1. Obtain the output codeword corresponding to the information sequence (1 1 0 1 1) for a convolutional encoder with rate $\frac{1}{2}$ and constraint length 4, for generator sequences, $g(1) = (1011)$ and

$g(2) = (1111)$.

2. Explain the message-passing decoding algorithm for LDPC codes with respect to binary erasure channel.

SYLLABUS

Module 1 – Entropy, Sources and Source Coding
Entropy, Properties of Entropy, Joint and Conditional Entropy, Mutual Information, Properties of Mutual Information.

Discrete memoryless sources, Source code, Average length of source code, Bounds on average length, Uniquely decodable and prefix-free source codes. Kraft Inequality (with proof), Huffman code. Shannon's source coding theorem (both achievability and converse) and operational meaning of entropy.

Module 2 – Channels and Channel Coding

Discrete memoryless channels. Capacity of discrete memoryless channels. Binary symmetric channels (BSC), Binary Erasure channels (BEC). Capacity of BSC and BEC. Channel code. Rate of channel code. Shannon's channel coding theorem (both achievability and converse without proof) and operational meaning of channel capacity.

Modeling of Additive White Gaussian channels. Continuous-input channels with average power constraint. Differential entropy. Differential Entropy of Gaussian random variable. Relation between differential entropy and entropy. Shannon-Hartley theorem (with proof – mathematical subtleties regarding power constraint may be overlooked).

Inferences from Shannon Hartley theorem – spectral efficiency versus SNR per bit, power-limited and bandwidth-limited regions, Shannon limit, Ultimate Shannon limit.

Module 3 – Introduction to Linear Block Codes

Overview of Groups, Rings, Finite Fields, Construction of Finite Fields from Polynomial rings. Vector spaces.

Block codes and parameters. Error detecting and correcting capability. Linear block codes. Two simple examples -- Repetition code and single parity-check code. Generator and parity-check matrix. Systematic form.

Maximum likelihood decoding of linear block codes. Bounded distance decoding. Standard array decoding.



Module 4 - A Few Important Classes of Algebraic codes

Cyclic codes. Polynomial and matrix description. Interrelation between polynomial and matrix view point. Systematic encoding. Decoding of cyclic codes.

(Only description, no decoding algorithms) Hamming Codes, BCH codes, Reed-Solomon Codes

Module 5 - Convolutional and LDPC Codes

Convolutional Codes. State diagram. Trellis diagram. Maximum likelihood decoding Viterbi algorithm.

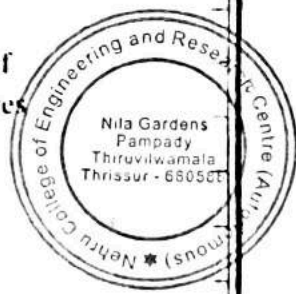
Low-density parity check (LDPC) codes. Tanner graph representation. Message-passing decoding for transmission over binary erasure channel.

Text Books and References

1. "Elements of Information Theory", Joy A Thomas, Thomas M Cover, Wiley-Interscience.
2. "Information Theory, Inference and Learning Algorithms", David JC McKay, Cambridge University Press
3. "Principles of digital communication", RG Gallager, Cambridge University Press
4. "Digital Communication Systems", Simon Haykin, Wiley.
5. "Introduction to Coding Theory", Ron M Roth, Cambridge University Press
6. Shu Lin & Daniel J. Costello, Jr., Error Control Coding : Fundamentals and Applications, 2nd Edition.
7. Modern Coding Theory, Rüdiger Urbanke and TJ Richardson, Cambridge University Press.

Course Contents and Lecture Schedule (44 hours)

No	Topic	No. of Lectures
1	Entropy, Sources and Source Coding (10)	
1.1	Entropy, Properties of Entropy, Joint and Conditional Entropy	2
1.2	Mutual Information, Properties of Mutual Information	2
1.3	Discrete memoryless sources, Source code, Average length of source code, Bounds on average length	2
1.4	Uniquely decodable and prefix-free source codes. Kraft Inequality (with proof)	2
1.5	Huffman code. Shannon's source coding theorem and operational meaning of entropy	2
2	Channels and Channel Coding (11)	
2.1	Discrete memoryless channels. Capacity of discrete memoryless channels	2
2.2	Binary symmetric channels (BSC), Binary Erasure channels (BEC). Capacity of BSC and BEC.	2



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2.3	Channel code, rate of channel code, Shannon's channel coding theorem (without proof) and operational meaning of channel capacity.	2
2.4	Modeling of Additive White Gaussian channels with average power constraint.	1
2.5	Differential entropy. Differential Entropy of Gaussian random variable. Relation between differential entropy and entropy	2
2.6	Shannon-Hartley theorem and its proof	1
2.7	Inferences from Shannon Hartley theorem - spectral efficiency versus SNR, power-limited and bandwidth-limited regions, Shannon limit, Ultimate Shannon limit.	2
3	Introduction to Linear Block Codes (11)	
3.1	Overview of Groups, Rings, Finite Fields, Construction of Finite Fields from Polynomial rings, Vector spaces.	5
3.2	Block codes and parameters. Error detecting and correcting capability	1
3.3	Linear block codes. Generator and parity-check matrix. Systematic form. Two simple examples -- Repetition code and single parity-check code. General examples.	2
3.5	Maximum likelihood decoding of linear block codes. Bounded distance decoding. Syndrome. Standard array decoding.	3
4	A Few Important Classes of Algebraic codes (7)	
4.1	Cyclic codes. Polynomial and matrix description. Interrelation between polynomial and matrix view point. Systematic encoding. Decoding of cyclic codes.	4
4.2	Hamming Codes,	1
4.3	BCH codes, Reed-Solomon Codes.	2
5	Convolutional and LDPC Codes (5)	
5.1	Convolutional Codes.	
5.2	State diagram, Trellis diagram.	1
5.3	Maximum likelihood decoding. Viterbi algorithm	2
5.4	Low-density parity check (LDPC) codes. Tanner graph representation Message-passing decoding for transmission over binary erasure channel.	2



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LECTURE PLAN

Lecture No.	Topics	Text/Reference Book No. & Section	Teaching Aid Used (ICET, Lecture, GD, Demo, Debate etc.)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc.)	Scheduled on	Delivered on	Reason for Deviation	Signature
	<u>Module-1</u>							
	<u>I. Entropy, Sources and</u>							
	<u>14 Source Coding.</u>							
1.1	Entropy, Properties of Entropy.	4	Lecture	Problem	07/2/23	07/2	-	mbp
	Joint and Conditional Entropy.	4	Lecture	Problem	08/2/23	21/2	KRU Lab Exam & sports day.	mbp
1.2	Mutual Information Properties of mutual information.	4	Lecture	Discussion	09/2/23	21/2	"	mbp
		4	Lecture	Discussion	10/2	22/2	"	mbp
1.3	Discrete memoryless Sources - Source Code	4	Lecture	Discussion	14/2	22/2	"	mbp
	Average length of source code - Bounds on avg. length	4	PPF	Discussion	15/2	23/2	"	mbp
1.4	Uniquely decodable and Prefix Free source Codes Kraft Inequality (Proof)	4	PPF	Discussion	16/2	24/2	"	mbp
		4	Lecture	Assignment	17/2	28/2	"	mbp
1.5	Huffman code	4	Lecture	Problem	21/2	01/3	"	mbp
	Shannon's Source Coding theorem and Operational meaning of entropy.	4	Lecture	Problem	22/2	2/3	"	mbp

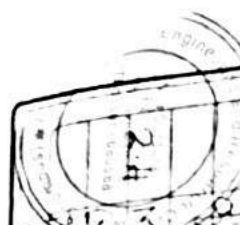
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	MODULE-II							
2.	Channels and Channel Coding.							
2.1	Discrete memoryless Channels. Capacity of discrete memoryless channels.	4	Lecture	Discussion	23/2	3/3/23	- Sports day - Placement Training	msb
2.2	Binary Symmetric Channels (BSC) Binary Erasure Channels (BEC) - Capacity of BSC and BEC	4	Lecture	Problem Derivation	24/2	9/3/23	"	msb
2.3	Channel Code - Rate of channel code	4	Board	Derivation	1/3/23	15/9/23	"	msb
	Shannon's Channel Coding theorem (without proof) and Operational meaning of channel capacity.	4	Lecture	Discussion	2/3/23	22/3/23	"	msb
2.4	Modeling of Additive White Gaussian Channels. Continuous time channels with avg power constraint	4	Board	Diagram	3/3/23	23/2/23	"	msb

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LECTURE PLAN

Lecture No	Topics	Text/Reference Book No. & Section	Teaching Aid Used (ICT, lecture, GD, Demo, Debate etc)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc)	Scheduled on	Delivered on	Reason for Deviation	Signature	
25	Differential Entropy - Differential Entropy of Gaussian random variable	2.	Board	Derivation	7/3/23	24/3/23	KRU Lab Exam - Sports day - Placements	<i>[Signature]</i>	
	Relationship b/w differential entropy and entropy.	2.	Board	Derivations	8/3/23	25/3/23	Training	<i>[Signature]</i>	
26	Shannon - Hartley theorem and its proof.	1.	Board	Derivation	9/3/23	28/3/23	"	<i>[Signature]</i>	
27	References from Shannon Hartley theorem - spectral efficiency versus SNR	1	Board	Diagram	10/3/23	29/3/23	"	<i>[Signature]</i>	
	Power-limited and bandwidth limited regions - Shannon limit, ultimate Shannon limit.	1.	PPPT	Diagram	14/3/23	5/4/23	KRU valuation	<i>[Signature]</i>	
MODULE - II									
Neural Culture of Information and									
Registration of Information and									
3	Introduction to linear Block codes								
3.1	Over view of Groups	2.	Board	Derivation	15/3/23	14/4/23	"	<i>[Signature]</i>	



LECTURE PLAN

Lecture No.	Topics	Text/Reference Book No. & Section	Teaching Aid Used (ICET, Lecture, GD, Demo, Debate etc.)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc.)	Scheduled on	Delivered on	Reason for Deviation	Signature
	Rings	2	Board	Derivation	16/3/23	18/4	Sports day,	<i>[Signature]</i>
	Finite Fields	2	Board	"	17/3/23	13/4	KPU lab exam	<i>[Signature]</i>
	Construction of finite fields from Polynomial rings	2	Board	Assignment	21/3/23	18/4	KPU Valuation Placement	<i>[Signature]</i>
	Vector Spaces.	2	Board	"	22/3/23	18/4	training etc.	<i>[Signature]</i>
3.2	Block codes and Parameters	1	Board	Diagram	23/3/23	19/4	"	<i>[Signature]</i>
	Error detecting and correcting capability.							
3.3	Linear block codes: Generator & parity check matrix. systematic form & simple examples.	1	Board	Diagram Problems	24/3/23	20/4	"	<i>[Signature]</i>
	Repetition code and single parity-check code. Generally.	1	Board	Problems	28/3/23	25/4	"	<i>[Signature]</i>
3.4	Maximum likelihood decoding of linear block codes	1	Board	Problem	29/3/23	25/4	"	<i>[Signature]</i>
	Bounded distance decoding	1	Board	Problem	4/4/23	26/4	"	<i>[Signature]</i>
	Synchronous standard array decoding.	1	Board	Problem	5/4/23	27/4	"	<i>[Signature]</i>



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LECTURE PLAN

Lecture No.	Topics	Text/Reference Book No. & Section	Teaching Aid Used (ICET, Lecture, GD, Demo, Debate etc.)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc.)	Scheduled on	Delivered on	Reason for Deviation	Signature
MODULE - IV								
4.	A Few Important Classes of Algebraic Codes							
4.1	Cyclic Codes	1	Lecture	Discussion	11/4	28/4	"	<i>redd</i>
	Polynomial and matrix description	1	Board	Derivation	12/4	01/6	"	<i>redd</i>
	Interrelation between Polynomial and matrix via point.	1	Board	Derivation	13/4	05/6	"	<i>redd</i>
	Systematic Coding - Decoding of cyclic codes.	1	Board	Problems	18/4	06/6	"	<i>redd</i>
4.2	Hamming Codes	1	Board	Problems	19/4	8/6	"	<i>redd</i>
4.3	BCH codes	2	Board	Assignment	20/4	9/6	"	<i>redd</i>
	Reed-Solomon Codes	2	Board	Explanation	25/4	9/6	"	<i>redd</i>



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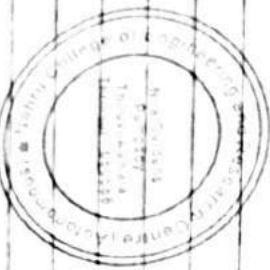
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LECTURE PLAN

Lecture No.	Topics	Text/Reference Book No. & Section	Teaching Aid Used (ICT, Lecture, GD, Demo, Debate etc.)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc.)	Scheduled on	Delivered on	Reason for Deviation	Signature
MODULE - V								
5.	Convolutional and LDPC							
5.1	Convolutional Codes.							
5.2	Rate diagram	1	PPT	Problem Diagram	28/4	10/6	Sports day	
	Trellis diagram	1	Board	Problem Diagram	27/4	12/6	Exam, KTY	
5.3	Maximum likelihood decoding - Viterbi Algorithm.	1	Board	Problem Diagram	28/4	15/6	Training Vacation etc	
5.4	Low-density parity check (LDPC) codes - Tanner graph representation	1	Board	Problem	02/6	22/6		
	Message-passing decoding for transmission over binary erasure channel							

B2

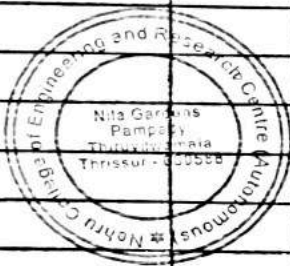
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 Thiruvinnam, Tiruvarur - 600588

ASSIGNMENTS

Reg. No.	Module No.	Group No.	Topic	Assign. Submission		Remarks
				Due Date	Submitted on	
NCE20EC001 to NCE20EC018	I		Numerical - Huffman Coding	27/3/23	27/3/23	
			Shanno-Fano Coding - Problem	27/3/23	27/3/23	
	II		Channel Capacity - Problem	27/3/23	27/3/23	
	II		State and prove Shannon-Hartley Theorem	27/3/23	27/3/23	
	III		Groups and Rings.	27/3/23	27/3/23	



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Faculty *[Signature]*

[Signature]
HOD

ASSIGNMENTS

Reg. No.	Module No.	Group No.	Topic	Assign. Submission		Remarks
				Due Date	Submitted on	
NCE20EC001	III		Groups	01/6/23	1/6/23	
16	III		Linear Block Codes			
NCE20EC018	IV		Hamming and Reed Solomon Codes	01/6/23	1/6/23	
	IV		Systematic Codes			
	IV		BCH codes	01/6/23	1/6/23	
	IV		Cyclic Codes			
	V		Convolutional Codes			
	V		LDPC	01/6/23	1/6/23	
	V		Trellis Diagram			



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 Nehru College of Engineering and
 Research
 Thiruvithamala, Thrissur

Faculty *[Handwritten Signature]*

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HOD

COURSE FILE



NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

Pampady, Thiruvilwamala, Thrissur Dist. Pin - 680 588



Re Accredited with NAAC 'A' Grade



NBA Accredited Programmes (B.Tech - CSE & MTR)


(An ISO 9001 - 2015 Certified Institution)

(Approved by AICTE, New Delhi & Affiliated to Kerala Technological University,

20.22..... 20.23.....

Course Code : CST 204
Course Name : Database Management System
Semester & Branch : IV CSE
Academic Year : 2022-23




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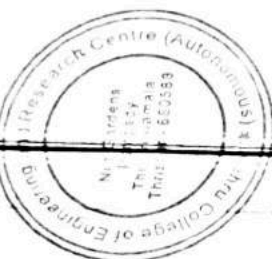
VISION

To mould true citizens who are millennium leaders and catalysts of change through excellence in education.

MISSION

NCERC is committed to transform itself into a center of excellence in Learning and Research in Engineering and Frontier Technology and to impart quality education to mould technically competent citizens with moral integrity, social commitment and ethical values.

We intend to facilitate our students to assimilate the latest technological know-how and to imbibe discipline, culture and spiritually, and to mould them in to technological plants, dedicated research scientists and intellectual leaders of the country who can spread the beams of light and happiness among the poor and the underprivileged.



DEPARTMENT OF: Computer Science & Copy.

Name of the Faculty

Srja Naykise

Branch / Course

CSE / BTech

Year & Semester

II / IV

Subject Code

CSIT204

Name of the Subject

DATABASE MANAGEMENT SYSTEMS

Objective of the Course

To provide a clear understanding of fundamental principles of DBMS with special focus on Relational db's. To give an idea about the alternative data management model, NoSQL. To manage data efficiently by identifying suitable structure to maintain data assets.

RECORD CHECKING

Month	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Initial of HOD	<i>[Signature]</i>											
Initial of Principal	<i>[Signature]</i>											

Principal

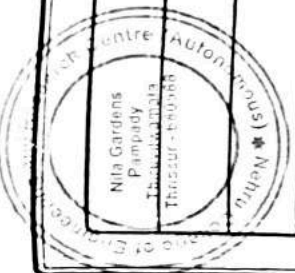
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Final Verification By *[Signature]* Principal

		TIME TABLE						
DAYS / PERIODS		1	2	3	4	5	6	7
Monday								
Tuesday		CST204						
Wednesday								
Thursday			CST204					
Friday								CST204
Saturday				CST204				

Total No. of Periods / Week :

WORKLOAD					
Subject Code	Theory / Practical / Project	Sem	Periods/Week	Remarks	
CST 204	Theory	IV	5	A	
CST 206	Theory	IV	4	B	
CSL 204	Practical	IV	3	B	
EST 102	Programing Theory	IV	5	C	
	Placement	VIII	1	A	
TOTAL			19		
Administrative Work, if any :			Class Advisor		



DEPARTMENT VISION
Producing highly competent, innovative & ethical computer science Engg. professionals to facilitate continuous technological advancement.

DEPARTMENT MISSION

1. impart quality education by creative teaching learning process.
2. To promote cutting edge research & development process to solve real world problems with emerging technologies.
3. To inculcate entrepreneurship skills among students.
4. To cultivate moral & ethical values in these profession.

13

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Research Centre (Autonomous)
Nehru Institute of Technology
Coimbatore

Nile Ganesha, K. S. S. S. S.

Thiruvananthapuram, India - 695 009

modul
questions



CST 204	Database Management Systems	CATEGORY	U1	P	CRI	DI1	YEAR OF INTRODUCTION	2019
		U1	1	1	0		4	

Preamble: This course provides a clear understanding of fundamental principles of Database Management Systems (DBMS) with special focus on relational databases to the learners. The topics covered in this course are basic concepts of DBMS, Entity Relationship (ER) model, Relational Database principles, Relational Algebra, Structured Query Language (SQL), Physical Data Organization, Normalization and Transaction Processing Concepts. The course also gives a glimpse of the alternative data management model, NoSQL. This course helps the learners to manage data efficiently by identifying suitable structures to maintain data assets of organizations and to develop applications that utilize database technologies.

Prerequisite: Topics covered under the course Data Structures (CST 201), Exposure to a High Level Language like C/Python.

Course Outcomes: After the completion of the course the student will be able to

CO1	Summarize and exemplify fundamental nature and characteristics of database systems. (Cognitive Knowledge Level: Understand)
CO2	Model real world scenarios given as informal descriptions, using Entity Relationship diagrams. (Cognitive Knowledge Level: Apply)
CO3	Model and design solutions for efficiently representing and querying data using relational model. (Cognitive Knowledge Level: Analyze)
CO4	Demonstrate the features of indexing and hashing in database applications. (Cognitive Knowledge Level: Apply)
CO5	Discuss and compare the aspects of Concurrency Control and Recovery in Database systems. (Cognitive Knowledge Level: Apply)
CO6	Explain various types of NoSQL databases. (Cognitive Knowledge Level: Understand)

Mapping of course outcomes with program outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CO2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CO3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CO4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CO5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CO6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Abstract POs defined by National Board of Accreditation

PO#	Broad PO	PO#	Broad PO
PO1	Engineering Knowledge	PO7	Environment and Sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/Development of solutions	PO9	Individual and Team work
PO4	Conduct investigations of complex problems	PO10	Communication
PO5	Modern tool usage	PO11	Project Management and Finance
PO6	The Engineer and Society	PO12	Lifelong Learning

Assessment Pattern

Bloom's Category	Continuous Assessment Tests		End Semester Examination Marks (%)
	Test1 (%)	Test2 (%)	
Remember	30	30	30
Understand	40	40	40
Apply	30	30	30

Analyze			
Evaluate			
Create			

Mark Distribution

Total Marks	CIE Marks	ESE Marks	ISE Duration
150	50	100	3 hours

Continuous Internal Evaluation Pattern:

Attendance : 10 marks

Continuous Assessment Tests : 25 marks

Continuous Assessment Assignment : 15 marks

Internal Examination Pattern:

Each of the two internal examinations has to be conducted out of 50 marks

First Internal Examination shall be preferably conducted after completing the first half of syllabus and the Second Internal Examination shall be preferably conducted after completing remaining part of the syllabus.

There will be two parts: Part A and Part B. Part A contains 5 questions (preferably, 2 questions each from the completed modules and 1 question from the partly covered module), having marks for each question adding up to 15 marks for part A. Students should answer all questions from Part A. Part B contains 7 questions (preferably, 3 questions each from the completed modules and 1 question from the partly covered module), each with 7 marks. Out of questions in Part B, a student should answer any 5.

End Semester Examination Pattern

There will be two parts: Part A and Part B. Part A contains 10 questions with 2 questions from each module having 4 marks for each question. Students should answer all questions. Part B contains 2 questions from each module of which a student should answer any one. Each question can have maximum 2 sub-questions and carries 14 marks.

Syllabus

Module 1: Introduction & Entity Relationship (ER) Model

Concept & Overview of Database Management Systems (DBMS) - Characteristics of Database system, Database Users, structured, semi-structured and unstructured data, Data Models and Schema - Three Schema architecture: Database Languages: Database architectures and classification.

ER model - Basic concepts, entity set & attributes, relations, Relationships and constraints, cardinality, participation, notations, weak entities, relationships of degree 3

Module 2: Relational Model

Structure of Relational Database - Integrity Constraints, Synthesizing ER diagram to relational schema

Introduction to Relational Algebra - select, project, cartesian product operations, join - Equijoin, natural join, query examples, introduction to Structured Query Language (SQL), Data Definition Language (DDL), Table definitions and operations - CREATE, DROP, ALTER, INSERT, DELETE, UPDATE.

Module 3: SQL DML (Data Manipulation Language), Physical Data Organization

SQL DML (Data Manipulation Language) - SQL queries on single and multiple tables, Nested queries (correlated and non-correlated), Aggregation and grouping, Views, assertions, Triggers, SQL data types.

Physical Data Organization - Review of terms: physical and logical records, blocking factor, pinned and unpinned organization, Heap files, indexing, Single level indexes, numerical examples, Multi-level indexes, numerical examples, B-Trees & B+ Trees (structure only algorithms not required), Extendible Hashing, indexing on multiple keys - grid files



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Module 4: Normalization

Different anomalies in designing a database, The idea of normalization, Functional Dependencies, Armstrong's Axioms (proofs not required), Closures and their computation, Equivalence of Functional Dependencies (FD), Minimal Cover (proofs not required), First Normal Form (1NF), Second Normal Form (2NF), Third Normal Form (3NF), Boyce Codd Normal Form (BCNF), Lossless join and dependency preserving decomposition, Algorithms for checking Lossless Join (LJ) and Dependency Preserving (DP) properties.

Module 5: Transactions, Concurrency and Recovery, Recent Topics

Transaction Processing Concepts - overview of concurrency control, Transaction Model, Significance of concurrency Control & Recovery, Transaction States, System Log, Definition Properties of transactions.

Serial schedules, Concurrent and Serializable Schedules, Conflict equivalence and conflict serializability, Recoverable and cascade-less schedules, Locking, Two-phase locking and its variations, Log-based recovery, Deferred database modification, check-pointing.

Introduction to NoSQL Databases, Main characteristics of Key-value DB (examples from: Redis), Document DB (examples from: MongoDB)

Main characteristics of Column - Family DB (examples from: Cassandra) and Graph DB (examples from : ArangoDB)

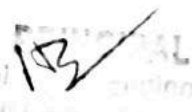
Text Books

1. Elmasri R. and S. Navathe, Database Systems: Models, Languages, Design and Application Programming, Pearson Education, 2013.
2. Silberschatz A., H. F. Korth and S. Sudarshan. Database System Concepts, 6 e, McGraw Hill, 2011.

Reference Books:

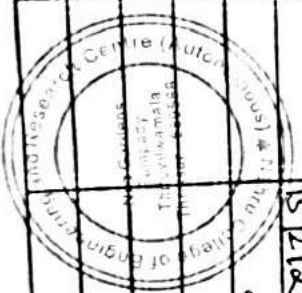
1. Adam Fowler, NoSQL for Dummies, John Wiley & Sons, 2015
2. NoSQL Data Models: Trends and Challenges (Computer Engineering: Databases and Big Data), Wiley, 2018
3. Web Resource: <https://www.w3resource.com/redis/>
4. web Resource: <https://www.w3schools.in/category/mongodb/>
5. Web Resource: https://www.tutorialspoint.com/cassandra/cassandra_introduction.htm
6. Web Resource : <https://www.tutorialspoint.com/arangoedb/index.htm>



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LECTURE PLAN

Lecture No.	Topics	Text/Reference Book No. & Section	Teaching Aid Used (ICET, Lecture, GD, Demo, Debate etc.)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc.)	Scheduled on	Delivered on	Reason for Deviation	Signature
1	Concept & Overview of DBMS	1	Lecture Debate etc.)		6/2/23	6/2/23		
2	Structured, semi-structured & unstructured, Data Models & Schema.	1	Lecture		7/2/23	8/2/23		
3	Three Schema Architecture Data models & Schema	1	Lecture		8/2/23	10/2/23		
4	Database Architecture & Classification	1	Lecture		9/2/23	13/2/23		
5	E-R Model	1	Lecture		13/2/23	15/2/23		
6	Relationships & constraints.	1	Lecture		14/2/23	25/2/23		
7	Weak entities	1	Lecture		14/2/23	13/2/23		
8	ER Diagram exercises.	1	Lecture		15/2/23	3/3/23		



09/09/23

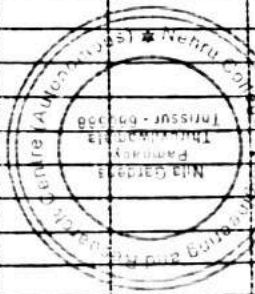
LECTURE PLAN

Lecture No	Topics	Text/ Reference Book No. & Section	Teaching Aid Used (ICET, Lecture, GD, Demo, Debate etc.)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc.)	Scheduled on	Delivered on	Reason for Deviation	Signature
1	Structure of relational DB, Integrity Constraints	1	Lecture		12/2/23	4/3/23		<i>[Signature]</i>
2	ER diag. to relational schema	1	Lecture		18/2/23	9/3/23		<i>[Signature]</i>
3	Relational Algebra	1	Lecture		25/2/23	10/3/23		<i>[Signature]</i>
4	Relational Algebra	1	Lecture		23/2/23	10/3/23		<i>[Signature]</i>
5	Query Examples		GD		23/2/23	15/3/23		<i>[Signature]</i>
6	Intro to SQL imp datatypes	1	Lecture		25/2/23	22/3/23		<i>[Signature]</i>
7	DDL, - CREATE, DROP, ALTER, INSERT, DELETE, UPDATE	1	Lecture		27/2/23	23/3/23		<i>[Signature]</i>
8								<i>[Signature]</i>

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LECTURE PLAN

Lecture No	Topics	Text/ Reference Book No. & Section	Teaching Aid Used (ICET, Lecture, GD, Demo, Debate etc.)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc.)	Scheduled on	Delivered on	Reason for Deviation	Signature
1	SQL DML, SQL queries on single & multiple tables	1	Lecture		28/2/23	24/3/23		<i>[Signature]</i>
2	Nested queries	1	Lecture		28/2/23	25/3/23		<i>[Signature]</i>
3	Aggregation & grouping	1	Lecture		13/3/23	25/3/23		<i>[Signature]</i>
4	Views, assertions	1	Lecture		13/3/23	28/3/23		<i>[Signature]</i>
5	Triggers				2/3/23	13/4/23		<i>[Signature]</i>
6	Physical & logical records, blocking factor	1			3/3/23	18/4/23		<i>[Signature]</i>
7	Single level indices, numerical examples	1			4/3/23	20/4/23		<i>[Signature]</i>
8	Multi level indices	1			7/3/23	27/4/23		<i>[Signature]</i>
9	B-Trees & B+ Trees	1			7/3/23	27/4/23		<i>[Signature]</i>
10	Extendible Hashing	1			8/3/23	28/4/23		<i>[Signature]</i>
11	Indexing on Multiple keys	1			10/3/23			<i>[Signature]</i>



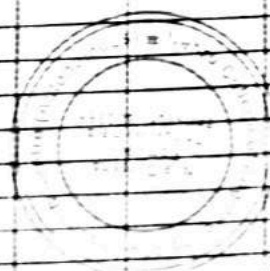
LECTURE PLAN

Lecture No.	Topics	Text/Reference Book No. & Section	Teaching Aid Used (ICET, Lecture GD, Demo, etc.)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc.)	Scheduled on	Delivered on	Reason for Deviation	Signature
1	Different anomalies in designing a db	2			13/3/23	13/4/23		
2	Functional dependency	2			14/3/23	18/4/23		
3	Closures & trans computation	2			15/3/23	18/4/23		
4	1NF, 2NF	2			17/3/23	24/4/23		
5	3NF, BCNF	2			18/3/23	22/4/23		
6	Lossless join & dependency preservation	2			24/3/23	27/4/23		
7	Algo for checking lossless join lecture 1	2			25/3/23	29/4/23		
8	Algo for checking lossless join lecture 2	2			27/3/23	29/4/23		

Prashant

LECTURE PLAN

Lecture No.	Topics	Text/Reference Book No. & Section	Teaching Aid Used (ICET, Lecture GD, Demo, etc.)	Assessment Method used (Assignment, problems, Reading, Quiz, MCQ etc.)	Scheduled on	Delivered on	Reason for Deviation	Signature
1	Transaction Processing Concepts	2			3/5/23	11/5/23		
2	Overview of Concurrency control	2			3/5/23	5/5/23		
3	Transaction states, splan log	2			10/5/23	8/5/23		
4	Desirable properties of transactions	2			11/5/23	12/5/23		
5	Consistent & serializable schedules	2			15/5/23	22/5/23		
6	Conflict equivalence, serializability	2			17/5/23	23/5/23		
7	Recoverable & cascable schedules	2			24/5/23	24/5/23		
8	Logging SPL	2			25/5/23	24/5/23		
9	High speed Recovery	2			26/5/23	24/5/23		
10	NoSQL Databases				28/5/23	24/5/23		



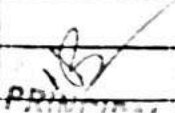
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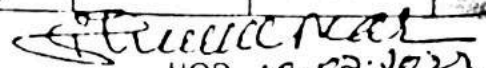
ASSIGNMENTS

Reg No.	Module No.	Topic	Assign Submission		Remarks
			Due Date	Submitted on	
	I	ER Diagram	14/2/23	16/2/23	
		Architecture	25/2/23	28/2/23	
		Data Independence			
	II	ER Diagram Synthesis	25/2/23	28/2/23	
	II	Relational Algebra			
	III	Three tier Architecture	13/3/23	22/3/23	
		Db Administrator			
	IV	SQL	1/5/23	1/6/23	
		Views.			
		Indexing			
	V	Hashing.	1/5/23	1/6/23	

Faculty




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HOD 10.07.2023



Department of Electronics and Communication Engineering

INDUSTRIAL VISIT REPORT

AY 2022-23

An **Industrial Visit** is a practical way of learning the internal working environment of a company. Such an opportunity gives the Students an exposure to the practical challenges that organizations face in the business world.

We the students of S6 **B.Tech Electronics & Communication Engineering** department as part of our curriculum got an opportunity to visit **Kaynes Technology Pvt Ltd. India** for an Industrial Visit. A group of 25 students and 2 faculty members set out for a four days journey to Gokarna, Bellur, Mysore, and Coorg. Journey started at the night of 22 June of 2022 from the college ground.

DAY 1: GOKARNA

Reached Gokarna after a night journey at around 9:30AM to Cute Resort. Quickly freshened up and had breakfast. The bus was an equally interesting place with fun filled activities, songs to dance. The tour operators engaged us with activities during long travelling hours. We had a hearty meal from 1 hotel on the way to Gokarna. At 2pm we reached our last destination, Kudle beach. A cool breeze welcomed us to the vast blue expanse of Arabian sea. Spent the whole day walking through warm sand and playing in the sea water. Then started journey to the next destination bellur.



Saisaamy

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Planet Earth Aquarium, Gokarna

DAY 2: BELLUR

Reached Bellur after a night journey at around 8:30AM to Hotel JM Residency. Quickly freshened up and had breakfast. Then move to Bellur Dam for the river activities. All are tired because of the late night travel so everybody is taken a good sleep in the bus. Reached Bellur at 12PM, Some students not going for the activities because of their health problems. And Remaining students and staff do the activities Kayakin, Bannana Boating, Bumbber Boat. After the activities all are freshup in the Bathroom. After then having food at 3PM And goes to Hotel back



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Bellur Dam

DAY 3: MYSORE

Started Journey at Morning 7 Am To Mysore for our Industrial visit. Reached our Industry Kaynes Technology Pvt Ltd. India at 11:30 AM. Completed the initial verifications from the gate and moves to the company Assembling Point. We splinted in to two groups and each group will lead by a two company production managers. The company mainly Assembled of PCB Boards For Many other Companys. They Mainlt Assembling LED Bulb Circuit Board, Inverter Board, Coolin Systems Etc.

After a long walk we decided to move to the last place for the day, Mysore Brindavan gardens The garden was a place perfect for spending time with friends, taking photos and appreciating the architecture of brindavan.



Saurabh
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 Thiruvilwamala, Thrissur - 680588



Group photo in front of Kaynes Technology Pvt Ltd.India

DAY 4: COORG



Golden Temple, Coorg

Our first visit at Coorg was to the Golden Temple, an architectural marvel with statues scale up to 8 feet in height. The calm and serene atmosphere of the Buddhist temple was peaceful the next spot was Bamboo forests, a thrilling

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experience in the woods and waters made our day. At the exit of the forests were the shops selling famous Coorg chocolates, clothes, gift items. Everyone spent the remaining evening at these busy shops. After the purchasing Started Journey back to College. In the long travelling nights the tour operators ask the feedbacks to the staffs and students. All the staff and Students share their experience with others.

We reached college on 26.06.2022. The industrial visit was remarkable, ever green in our thoughts and informative.



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SOLAR OPERATED SMART MULTIFUNCTIONAL FLOOR CLEANING ROBOT

PROJECT REPORT

Submitted by

ABHIJITH P	NCE19EC001
ASWIN V	NCE19EC013
MALAVIKA VENUGOPAL	NCE19EC018
SRIJUSH P R	NCE19EC026

to

APJ Abdul Kalam Technological University

in Partial Fulfillment of the requirements for the award of the Degree

of

Bachelor of Technology

in

ELECTRONICS AND COMMUNICATION ENGINEERING



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(APPROVED BY AICTE, ISO 9001:2015 CERTIFIED,**

NAAC ACCREDITED WITH A GRADE)

PAMPADY THIRUVII WAMAI A, THRISSUR-680588

JUNE 2023



Principals
PRINCIPAL
Nehru College of Engineering and
Research Centre

DECLARATION

We undersigned hereby declare that the project report "Solar Operated Smart Multifunctional Floor Cleaning Robot", submitted for partial fulfillment of the requirements for the award of degree of Bachelor of Technology of the APJ Abdul Kalam Technological University, Kerala is a bona-fide work done by ours under the supervision of **Mr. Vishnu Prabha N Kaimal**, Assistant Professor of Electronics and Communication Engineering, NCERC, Pampady. This submission represents our ideas in our own words and where ideas or words of others have been included, we have adequately and accurately cited and referenced the original sources. we also declare that we have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in my submission. we understand that any violation of the above will be a cause for disciplinary action by the institute and/or the university and can also evoke penal action from the sources that have thus not been properly cited or from whom proper permission has not been obtained. This report has not previously formed the basis for the award of any degree, diploma, or similar title of any other university.

Place : **Pampady**
Date : **16-05-2023**

Signature

Malavika Venugopal

Abhijith P

Aswin V

Srijush P R



Srinivasappa

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Thiruvilwamala, Thrissur - 680568

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE (ACCREDITED
BY NAAC)**

PAMPADY, THIRUVILWAMALA, THRISSUR, KERALA



CERTIFICATE

This is to certify that the report entitled **"SOLAR OPERATED SMART MULTIFUNCTIONAL FLOOR CLEANING ROBOT"** submitted by **ABHIJITH P, ASWIN V, MALAVIKA VENUGOPAL, SRIJUSH P R** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology, Department of Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.


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ABSTRACT

The conventional floor cleaning machines is most widely used in airport platforms, railway platforms, hospitals, bus stands, malls and in many other commercial places. These devices need an electrical energy for its operation and not user friendly. In India, especially in summer, there is power crisis and most of the floor cleaning machine is not used effectively due to this problem, particularly in bus stands. Hence it is a need to develop low cost, user friendly floor cleaning machine. In this project, an effort has been made to develop a solar powered mobile operated floor cleaning machine so that it can be an alternative for conventional floor cleaning machines. In this work, modelling and analysis of the floor cleaning machine was done using suitable commercially available software. The conventionally used materials were considered for the components of floor cleaning machine. From the finite element analysis, we observe that the stress level in the mobile operated floor cleaning machine is within the safe limit. Automated floor cleaning machines are commonly used in developing countries since many years because of high cost of labor, time, efforts and affordability. The concept is not popular in developing or emerging economic countries. Reasons for non-popularity are cost of machine and operational charges in terms of power tariff. This article is based upon on our innovative project to design, development and manufacturing of semi-automatic solar powered mobile operated floor cleaning machine which will work on solar energy, mobile communication, battery or electricity. A semi-automatic floor cleaning machine is developed by keeping basic consideration for less energy consumption; machine as well as operational cost reduction, reduce the human effort, environment friendly and easy to handle. Base of the project was to use renewable energy which is abundant in most of the countries, will have less environmental impact.



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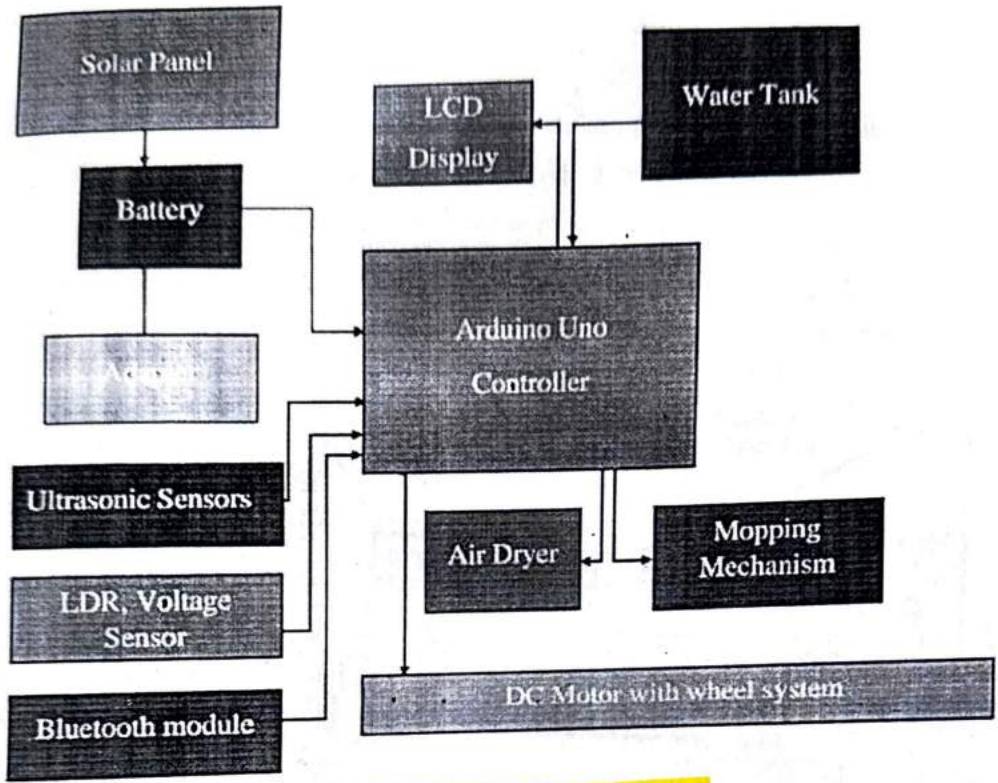


Figure 1. System block diagram

3.3 System Flowchart

The figure 2 shows the system flowchart. And the process starts at the vacuum power is on. The DC motor will start moving forward and the ultrasonic sensor will detect if there is an object and according to that the device directions will change. When the battery is low the vacuum will stop cleaning and search for a light source. If the vacuum is full, it will send notification to the user phone via Bluetooth and power off the vacuum.



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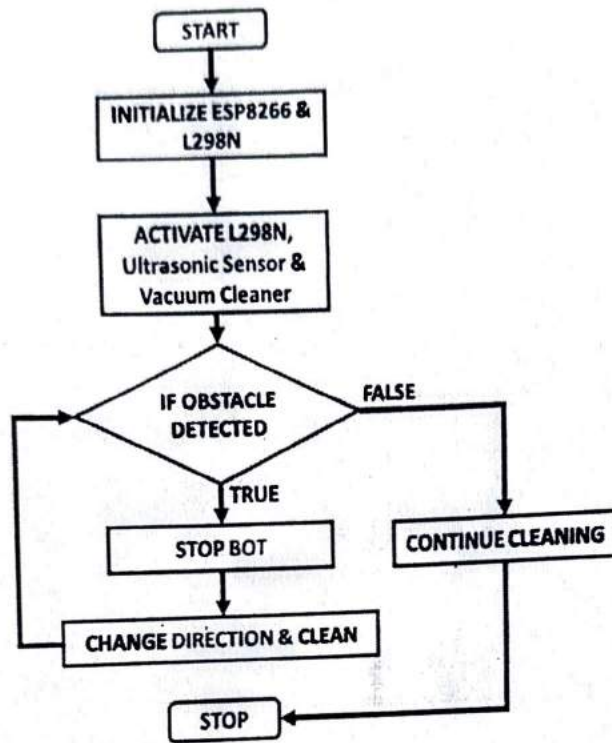


Figure 2. System Flowchart



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CHAPTER 4 CIRCUIT DIAGRAM

When Solar Panel of 20w is applied and their electric energy stored in battery. 12v DC battery supply is provided to the electrical switch board of the machine. The main supply from electrical board is supplied to a Vacuum cleaner, during working DC is supplied to the vacuum cleaner. Vacuum cleaner is used to operate the DC motors which performs a key role in cleaning operation.

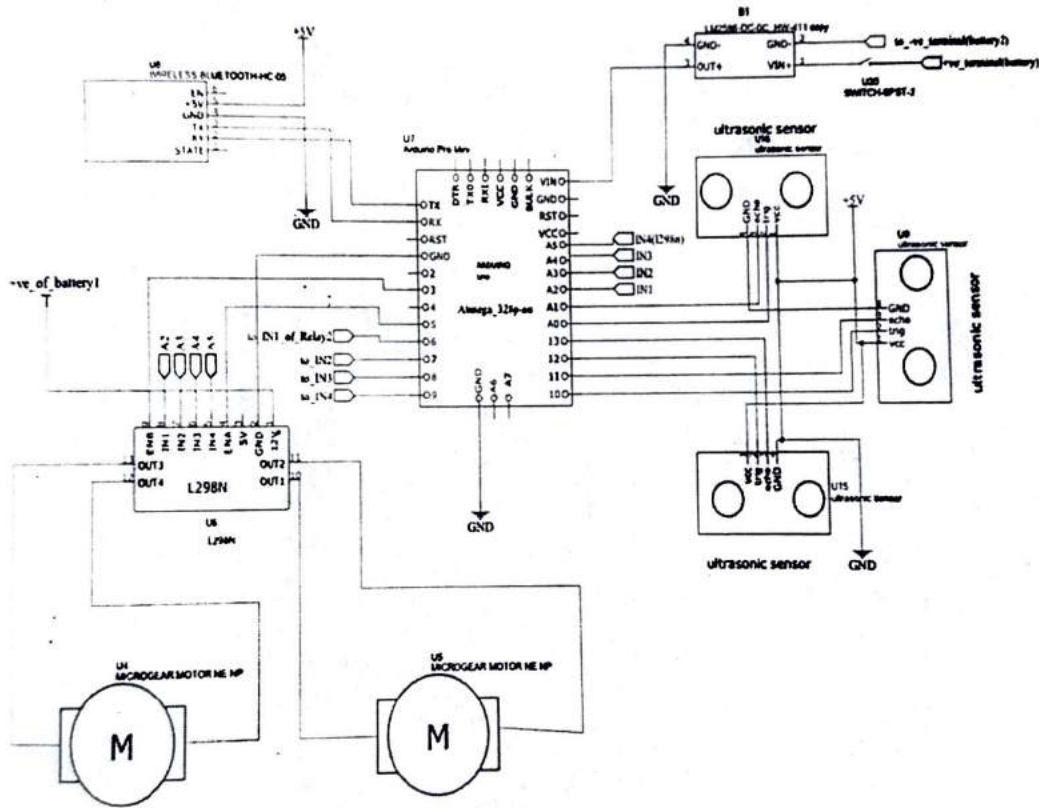


Figure 3. Main Circuit Diagram

There are three D.C motors one is used to rotate the mop for cleaning the middle surface that is covered by the chassis. The DC motor used for rotation of the mop having high torque than the motor used for the brushes. The other two DC motors having high RPM are used to clean the front



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CHAPTER 8 RESULTS AND DISCUSSION

The aim of this project is to design and develop a Vacuum Cleaning Robot.

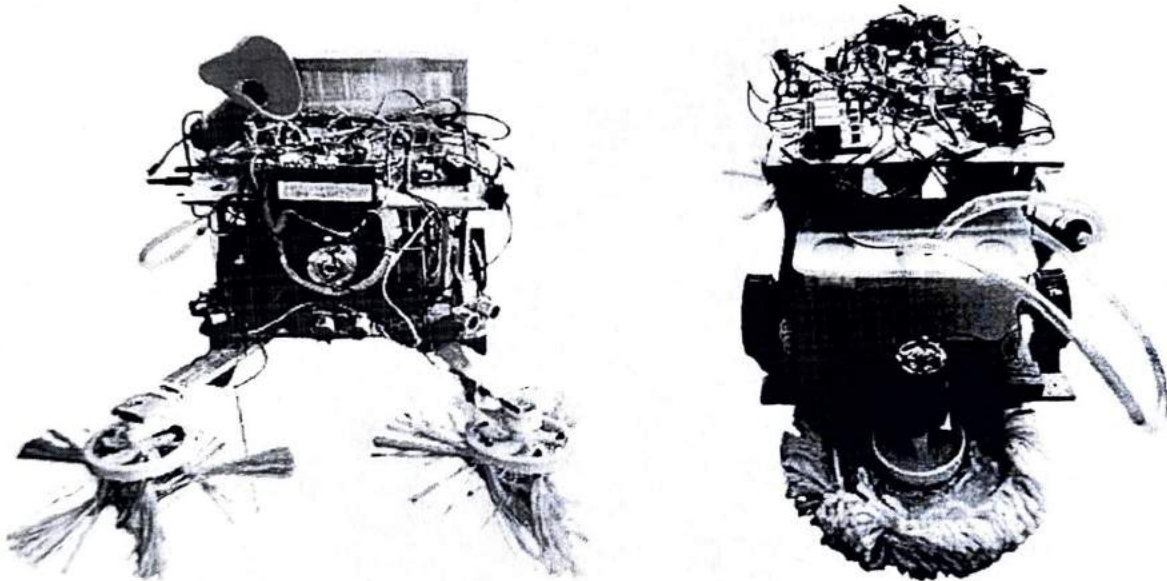


Fig . Full Development System



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