



# R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

RSM Nagar, Pudukottai- 601206, Gummidipoondi (T.K), Thiruvallur (D.T), Tamil Nadu

(An Autonomous Institution)

Approved by AICTE, New Delhi/ Affiliated to Anna University, Chennai

Accredited by NBA (All Eligible Courses) / NAAC with "A" GRADE

An ISO 21001:2018 Certified Institution



## B.E. – COMPUTER SCIENCE AND ENGINEERING

CHOICE BASED CREDIT SYSTEM - R 2024

### I - II SEMESTER CURRICULUM AND SYLLABI

SEMESTER - I									
Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C	
1.	24MA101	Matrices and Calculus	BSC	4	3	1	0	4	
2.	24CS101	Programming in C++ (Lab Integrated)	ESC	6	3	0	3	4.5	
3.	24CS102	Software Development Practices (Lab Integrated)	ESC	6	3	0	3	4.5	
4.	24CH101	Engineering Chemistry (Lab Integrated)	BSC	5	3	0	2	4	
5.	24EC102	Digital Principles and System Design (Lab Integrated)	ESC	5	3	0	2	4	
6.	24GE101	Heritage of Tamils	HSMC	1	1	0	0	1	
7.	24HS101	Interpersonal skills, Psychometric Analysis and Career Development	EEC	2	0	0	2	1	
8.	24EC111	Idea Lab I (Non Credit)	EEC	1	0	0	1	0	
9.	24MC101	Students Induction Programme (Non Credit)	MC	3 Weeks					
<b>TOTAL</b>				<b>30</b>	<b>16</b>	<b>1</b>	<b>13</b>	<b>23</b>	

SEMESTER - II								
Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
1.	24MA201	Linear Algebra and Applications (Lab Integrated)	BSC	5	3	0	2	4
2.	24CS201	Data Structures (Lab Integrated)	ESC	6	3	0	3	4.5
3.	24CS202	Java Programming (Lab Integrated)	ESC	6	3	0	3	4.5
4.	24PH201	Physics for Information Science (Lab Integrated)	BSC	5	3	0	2	4
5.	24AI201	Introduction to Artificial Intelligence (Lab Integrated)	ESC	4	2	0	2	3
6.	24GE201	Tamils and Technology	HSMC	1	1	0	0	1
7.	24EC211	Idea Lab II	EEC	2	0	0	2	1
8.	24HS201	Innovation and Creativity Skills Development	EEC	1	1	0	0	1
9.	24CH102	Environmental Science & Sustainability (Non Credit)	MC	2	2	0	0	0
10.	24MC201	Yoga for Stress Management (Non Credit)	AC	1	0	0	1	0
<b>TOTAL</b>				<b>33</b>	<b>18</b>	<b>1</b>	<b>15</b>	<b>23</b>



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## B.Tech. – ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

CHOICE BASED CREDIT SYSTEM - R 2024

### I - II SEMESTER CURRICULUM AND SYLLABI

SEMESTER - I									
Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C	
1.	24MA101	Matrices and Calculus	BSC	4	3	1	0	4	
2.	24CS101	Programming in C++ (Lab Integrated)	ESC	6	3	0	3	4.5	
3.	24CS102	Software Development Practices (Lab Integrated)	ESC	6	3	0	3	4.5	
4.	24CH101	Engineering Chemistry (Lab Integrated)	BSC	5	3	0	2	4	
5.	24EC102	Digital Principles and System Design (Lab Integrated)	ESC	5	3	0	2	4	
6.	24GE101	Heritage of Tamils	HSMC	1	1	0	0	1	
7.	24HS101	Interpersonal skills, Psychometric Analysis and Career Development	EEC	2	0	0	2	1	
8.	24EC111	Idea Lab I (Non Credit)	EEC	1	0	0	1	0	
9.	24MC101	Students Induction Programme (Non Credit)	MC	3 Weeks					
<b>TOTAL</b>				<b>30</b>	<b>16</b>	<b>1</b>	<b>13</b>	<b>23</b>	

SEMESTER - II								
Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
1.	24MA201	Linear Algebra and Applications (Lab Integrated)	BSC	5	3	0	2	4
2.	24CS201	Data Structures (Lab Integrated)	ESC	6	3	0	3	4.5
3.	24CS202	Java Programming (Lab Integrated)	ESC	6	3	0	3	4.5
4.	24PH201	Physics for Information Science (Lab Integrated)	BSC	5	3	0	2	4
5.	24AI201	Introduction to Artificial Intelligence (Lab Integrated)	ESC	4	2	0	2	3
6.	24GE201	Tamils and Technology	HSMC	1	1	0	0	1
7.	24EC211	Idea Lab II	EEC	2	0	0	2	1
8.	24HS201	Innovation and Creativity Skills Development	EEC	1	1	0	0	1
9.	24CH102	Environmental Science & Sustainability (Non Credit)	MC	2	2	0	0	0
10.	24MC201	Yoga for Stress Management (Non Credit)	AC	1	0	0	1	0
<b>TOTAL</b>				<b>33</b>	<b>18</b>	<b>1</b>	<b>15</b>	<b>23</b>

## B.E. – COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)



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CHOICE BASED CREDIT SYSTEM - R 2024

## I - II SEMESTER CURRICULUM AND SYLLABI



### SEMESTER - I

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C	
1.	24MA101	Matrices and Calculus	BSC	4	3	1	0	4	
2.	24CS101	Programming in C++ (Lab Integrated)	ESC	6	3	0	3	4.5	
3.	24CS102	Software Development Practices (Lab Integrated)	ESC	6	3	0	3	4.5	
4.	24PH201	Physics for Information Science (Lab Integrated)	BSC	5	3	0	2	4	
5.	24EC102	Digital Principles and System Design (Lab Integrated)	ESC	5	3	0	2	4	
6.	24GE101	Heritage of Tamils	HSMC	1	1	0	0	1	
7.	24HS101	Interpersonal skills, Psychometric Analysis and Career Development	EEC	2	0	0	2	1	
8.	24EC111	Idea Lab I (Non Credit)	EEC	1	0	0	1	0	
9.	24CH102	Environmental Science & Sustainability (Non Credit)	MC	2	2	0	0	0	
10.	24MC101	Students Induction Programme (Non Credit)	MC	3 Weeks					
<b>TOTAL</b>				<b>32</b>	<b>18</b>	<b>1</b>	<b>13</b>	<b>23</b>	

### SEMESTER - II

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
1.	24MA201	Linear Algebra and Applications (Lab Integrated)	BSC	5	3	0	2	4
2.	24CS201	Data Structures (Lab Integrated)	ESC	6	3	0	3	4.5
3.	24CS202	Java Programming (Lab Integrated)	ESC	6	3	0	3	4.5
4.	24CH101	Engineering Chemistry (Lab Integrated)	BSC	5	3	0	2	4
5.	24AI201	Introduction to Artificial Intelligence (Lab Integrated)	ESC	4	2	0	2	3
6.	24GE201	Tamils and Technology	HSMC	1	1	0	0	1
7.	24EC211	Idea Lab II	EEC	2	0	0	2	1
8.	24HS201	Innovation and Creativity Skills Development	EEC	1	1	0	0	1
9.	24MC201	Yoga for Stress Management (Non Credit)	AC	1	0	0	1	0
<b>TOTAL</b>				<b>31</b>	<b>16</b>	<b>1</b>	<b>15</b>	<b>23</b>



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## B.E. - ELECTRONICS AND COMMUNICATION ENGINEERING

### CHOICE BASED CREDIT SYSTEM - R 2024

#### I - II SEMESTER CURRICULUM AND SYLLABI

##### SEMESTER - I

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C	
1.	24MA101	Matrices and Calculus	BSC	4	3	1	0	4	
2.	24CS101	Programming in C++ (Lab Integrated)	ESC	6	3	0	3	4.5	
3.	24CS102	Software Development Practices (Lab Integrated)	ESC	6	3	0	3	4.5	
4.	24PH101	Physics for Electrical and Electronics Engineering (Lab Integrated)	BSC	5	3	0	2	4	
5.	24EC101	Electron Devices and Circuit theory (Lab Integrated)	PCC	5	3	0	2	4	
6.	24GE101	Heritage of Tamils	HSMC	1	1	0	0	1	
7.	24HS101	Interpersonal skills, Psychometric Analysis and Career Development	EEC	2	0	0	2	1	
8.	24EC111	Idea Lab I (Non Credit)	EEC	1	0	0	1	0	
9.	24CH102	Environmental Science & Sustainability (Non Credit)	MC	2	2	0	0	0	
10.	24MC101	Students Induction Programme (Non Credit)	MC	3 Weeks					
<b>TOTAL</b>				<b>32</b>	<b>18</b>	<b>1</b>	<b>13</b>	<b>23</b>	

##### SEMESTER - II

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
1.	24MA201	Transforms and Complex Analysis (Lab Integrated)	BSC	5	3	0	2	4
2.	24CS201	Data Structures and Algorithms (Lab Integrated)	ESC	6	3	0	3	4.5
3.	24CS202	Java Programming (Lab Integrated)	ESC	6	3	0	3	4.5
4.	24CH201	Chemistry for Electrical & Electronics Engineering (Lab Integrated)	BSC	5	3	0	2	4
5.	24AI201	Introduction to Artificial Intelligence (Lab Integrated)	ESC	4	2	0	2	3
6.	24GE201	Tamils and Technology	HSMC	1	1	0	0	1
7.	24EC211	Idea Lab II	EEC	2	0	0	2	1
8.	24HS201	Innovation and Creativity Skills Development	EEC	1	1	0	0	1
9.	24MC201	Yoga for Stress Management (Non Credit)	AC	1	0	0	1	0
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## B.E. - ELECTRONICS ENGINEERING (VLSI DESIGN AND TECHNOLOGY)

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### I - II SEMESTER CURRICULUM AND SYLLABI

#### SEMESTER - I

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C	
1.	24MA101	Matrices and Calculus	BSC	4	3	1	0	4	
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7.	24HS101	Interpersonal skills, Psychometric Analysis and Career Development	EEC	2	0	0	2	1	
8.	24EC111	Idea Lab I (Non Credit)	EEC	1	0	0	1	0	
9.	24CH102	Environmental Science & Sustainability (Non Credit)	MC	2	2	0	0	0	
10.	24MC101	Students Induction Programme (Non Credit)	MC	3 Weeks					
<b>TOTAL</b>				<b>32</b>	<b>18</b>	<b>1</b>	<b>13</b>	<b>23</b>	

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6.	24GE201	Tamils and Technology	HSMC	1	1	0	0	1
7.	24EC211	Idea Lab II	EEC	2	0	0	2	1
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9.	24MC201	Yoga for Stress Management (Non Credit)	AC	1	0	0	1	0
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