

**MVJ College of Engineering, Bengaluru**  
**(An Autonomous Institute)**

Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Recognised by UGC with 2(f) & 12 (B),  
Accredited by NBA & NAAC

**Scheme of Teaching and Examinations-2022**

Outcome-Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2022-23)

**I Semester (Mechanical Engineering Stream-ME & CH)**

**(For Chemistry Group)**

Sl. No	Course and Course Code		Course Title	TD/PSB	Teaching Hours/Week				Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P	S					
1	*ASC(IC)	MATM11	Mathematics for ME Streams-I	Maths	2	2	2	0	03	50	50	100	04
2	#ASC(IC)	CHEE12	Chemistry For ME Streams	Chemistry	2	2	2	0	03+02	50	50	100	04
3	ESC	CED13	Computer Aided Engineering Drawing	Civil/Mech Engg Dept	2	0	2	0	03	50	50	100	03
4	ESC-I	ESC145	Introduction to C-programming	Respective Engg Dept.	2	0	2	0	03	50	50	100	03
5	ETC-I	ETC15h	Renewable energy Sources	Any Engineering Dept	3	0	0	0	03	50	50	100	03
6	AEC	PWS16	Professional Writing Skills in English	Humanities	1	0	0	0	01	50	50	100	01
7	HSMS	IC017	Indian Constitution		1	0	0	0	01	50	50	100	01
8	AEC/SEC	SFH18	Scientific Foundation for Health	Any Dept	1	0	0	0	01	50	50	100	01
<b>TOTAL</b>					<b>14</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>20</b>	<b>400</b>	<b>400</b>	<b>800</b>	<b>20</b>

**SDA**-Skill Development Activities, **TD/PSB**- Teaching Department / Paper Setting Board, **ASC**-Applied Science Course, **ESC**- Engineering Science Courses, **ETC**- Emerging Technology Course, **AEC**- Ability Enhancement Course, **HSMS**-Humanity and Social Science and management Course, **SDC**- Skill Development Course, **CIE**-Continuous Internal Evaluation, **SEE**- Semester End Examination, **IC** - Integrated Course (Theory Course Integrated with Practical Course)

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**I Semester (Mechanical Engineering Stream-AE & AS)**

**(For Chemistry Group)**

Sl. No	Course and Course Code		Course Title	TD/PSB	Teaching Hours/Week				Examination				Credits
					Theory Lecture	Tutorial	Practical/Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P	S					
1	*ASC(IC)	MATM11	Mathematics for ME Streams-I	Maths	2	2	2	0	03	50	50	100	04
2	#ASC(IC)	CHEE12	Chemistry For ME Streams	Chemistry	2	2	2	0	03+02	50	50	100	04
3	ESC	CED13	Computer Aided Engineering Drawing	Civil/Mech Engg Dept	2	0	2	0	03	50	50	100	03
4	ESC-I	ESC145	Introduction to C-programming	Respective Engg Dept.	2	0	2	0	03	50	50	100	03
5	ETC-I	ETC15K	Introduction to Internet of Things (IOT)	Any Engineering Dept	3	0	0	0	03	50	50	100	03
6	AEC	PWS16	Professional Writing Skills in English	Humanities	1	0	0	0	01	50	50	100	01
7	HSMS	IC017	Indian Constitution		1	0	0	0	01	50	50	100	01
8	AEC/SEC	SFH18	Scientific Foundation for Health	Any Dept	1	0	0	0	01	50	50	100	01
<b>TOTAL</b>					<b>14</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>20</b>	<b>400</b>	<b>400</b>	<b>800</b>	<b>20</b>

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Outcome-Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2022-23)

**I Semester (Electrical & Electronics Engineering and allied Streams EC & IOT)**

**(For Chemistry Group)**

Sl. No	Course and Course Code		Course Title	TD/PSB	Teaching Hours/Week				Examination				Credits
					Theory Lecture	Tutorial	Practical/Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P	S					
1	*ASC(IC)	MATE11	Mathematics for Electrical Engg Sciences Streams-I	Maths	2	2	2	0	03	50	50	100	04
2	#ASC(IC)	CHEE12	Chemistry for EEE/ECE	Chemistry	2	2	2	0	03+02	50	50	100	04
3	ESC	CED13	Computer Aided Engineering Drawing	EEE/ECE/TCE	2	0	2	0	03	50	50	100	03
4	ESC-I	ESC145	Introduction to C Programming	Respective Engg Dept	2	0	2	0	03	50	50	100	03
5	ETC-I	ETC15k	Introduction to Internet of Things (IOT)	Any Engg Dept	3	0	0	0	03	50	50	100	03
6	AEC	PWS16	Professional Writing Skills in English	Humanities	1	0	0	0	01	50	50	100	01
7	HSMS	IC017	Indian Constitution		1	0	0	0	01	50	50	100	01
8	AEC/SDC	SFH18	Scientific Foundations of Health	Any Dept	1	0	0	0	01	50	50	100	01
<b>TOTAL</b>					<b>14</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>20</b>	<b>400</b>	<b>400</b>	<b>800</b>	<b>20</b>

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**Scheme of Teaching and Examinations-2022**

Outcome-Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2022-23)

I Semester (Civil Engineering Stream)				(Chemistry Group)									
Sl. No	Course and Course Code		Course Title	TD/PSB	Teaching Hours/Week				Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P	S					
1	*ASC(IC)	MATC11	Mathematics for Civil Engg Stream-I	Maths	2	2	2	0	03	50	50	100	04
2	#ASC(IC)	CHEC12	Chemistry for Civil Engg Stream-I	Chemistry	2	2	2	0	03+02	50	50	100	04
3	ESC	CED13	Computer Aided Drawing	Civil/Mech Engg dept	2	0	2	0	03	50	50	100	03
4	ESC-I	ESC145	Introduction to C Programming	Respective Dept	2	0	2	0	03	50	50	100	03
5	ETC-I	ETC15a	Smart Materials and Systems	Any Engineering Dept	3	0	0	0	03	50	50	100	03
6	AEC	PWS16	Professional Writing Skills in English	Humanities	1	0	0	0	01	50	50	100	01
7	HSMS	IC017	Indian Constitution	Humanities	1	0	0	0	01	50	50	100	01
8	HSMS	SFH18	Scientific Foundations for Health	Any Dept	1	0	0	0	01	50	50	100	01
<b>TOTAL</b>					<b>15</b>	<b>06</b>	<b>10</b>	<b>00</b>	<b>20</b>	<b>400</b>	<b>400</b>	<b>800</b>	<b>20</b>

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Outcome-Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2022-23)

**I Semester (Electrical & Electronics Engineering Stream-EEE Branch)**

**(For Chemistry Group)**

Sl. No	Course and Course Code		Course Title	TD/PSB	Teaching Hours/Week				Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P	S					
1	*ASC(IC)	MATE11	Mathematics for EES-I	Maths	2	2	2	0	03	50	50	100	04
2	#ASC(IC)	CHEE12	Chemistry for EES	Chemistry	2	2	2	0	03+02	50	50	100	04
3	ESC	CED13	Computer-Aided Engineering Drawing	Mechanical	2	0	2	0	03	50	50	100	03
4	ESC-I	ESC145	Introduction to C Programming	Respective Engg Dept	2	0	2	0	03	50	50	100	03
5	ETC-I	ETC15a	Smart Materials and Systems	Any Engg Dept	3	0	0	0	03	50	50	100	03
6	AEC	PWS16	Professional Writing Skills in English	Humanities	1	0	0	0	01	50	50	100	01
7	HSMS	ICO17	Indian Constitution	Humanities	1	0	0	0	01	50	50	100	01
8	HSMS	SFH18	Scientific Foundations for Health	Any Dept	1	0	0	0	01	50	50	100	01
<b>TOTAL</b>					<b>14</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>20</b>	<b>400</b>	<b>400</b>	<b>800</b>	<b>20</b>

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