GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

Curriculum Structure of First Year Engineering

Course			т	oo oh in	a Saha	***	Evaluation Scheme						
Code	Proposed Course Domain	Group	Teaching Scheme*				Theory			Practical		Total	Credit
Coue			L	Т	Р	Total	MSE	ISA	ESE	ICA	ESE	Total	orea
SH100AR	Mandatory audit course of three weeks duration as per AICTE model curriculum								50		50	AU	
SH101R	Engineering Mathematics I	BS	3	1		4	30	10	60			100	4
SH152R	Engineering Physics	BS	3			3	30	10	60			100	3
ME151R	Engineering Graphics	BE	3			3	30	10	60			100	3
ET151R	Basic Electronics and Measurement Techniques	BE	3			3	30	10	60			100	3
CO101R	Programming for Problem Solving	BE	3			3	30	10	60			100	3
ME152R	Engineering Exploration Workshop	BE			4	4				50		50	2
SH153R	Engineering Physics Lab	BS			2	2				50		50	1
ME153R	Engineering Graphics Lab	BE			2	2				50		50	1
ET152R	Basic Electronics and Measurement Techniques Lab	BE			2	2				50		50	1
CO102R	Programming for Problem Solving Lab	BE			2	2				50		50	1
	Total		15	1	12	28	150	50	300	250		750	22

Scheme for Semester I (Electrical, E & Tc, and Instrumentation) of B. Tech. with effect from academic year 2022-23

* Commencement of first semester of UG engineering program is generally delayed by 4 - 5 weeks as compared with higher semesters due to admission procedure. In addition, as per AICTE directives, there is Induction Program of three weeks at the beginning of first semester. Thus the effective teaching in the first semester may be only for 8 – 9 weeks. Therefore, one hour per week theory / laboratory teaching should be added in the regular load shown in the curriculum structure so that the syllabus can be completed in 8 - 9 weeks available in first semester of UG program.

L : Lecture	T: Tutorial	P: Practical MSE: Mid Semester Examination
ISA :Internal Sessional Assessment	ESE: End Semester Examination	ICA : Internal Contineous Accessment
Note:	1. ESE (TH) duration for ME151U hours.	J is four hours and that for all other theory courses is three
	2. MSE (TH) duration for all theor	ry courses is two hours
	3. Group indicates curriculum con	ponent . BS- Basic Science, BE-Basic Engineering

0		Teaching Scheme*					Evaluation Scheme						
Course	Proposed Course Domain	Group	1	eachin	ig Sch	eme*		Theory		Practical		Total	Credit
Code	_	_	L	Т	Р	Total	MSE	ISA	ESE	ICA	ESE	Total	Creun
SH151R	Engineering Mathematics II	BS	3	1		4	30	10	60			100	4
SH102R	Engineering Chemistry	BS	3			3	30	10	60			100	3
EE101R	Basics of Electrical Engineering	BE	3			3	30	10	60			100	3
CO151R	Python Programming	BE	3			3	30	10	60			100	3
SH104R	Communication Skills	HM	1			1	15	5	30			50	1
SH105R	Communication Skills Lab	HM			2	2				50		50	1
ME101R	Mechanical Workshop Practices	BE			4	4				50		50	2
SH103R	Engineering Chemistry Lab	BS			2	2				50		50	1
EE102R	Basics of Electrical Engineering Lab	BE			2	2				50		50	1
CO152R	Python Programming Lab	BE			2	2				50		50	1
	Total		13	1	12	26	135	45	270	250	0	700	20
	nould note that it is mandatory to earn ber of audit points required throughou												ctivities.
L : Lecture		T: Tutor	ial				P: Prac	tical	MSE: N	Mid Sem	ester Ex	aminatio	m
ISA :Intern	nal Sessional Assessment	ESE: En	d Sem	ester F	Examir	nation	ICA : I	nternal	Contine	ous Acce	essment		
Note:		1. ESE (TH) duration for SH104U is two hours and that for all other theory courses is three hours.										s three	
		2. MSE (hours.	TH) d	uratio	n for S	H104U	is one ho	ur and t	hat for a	all other	theory c	ourses is	s two

GOVERNMENT COLLEGE OF ENGINEERING, JALGAON Scheme for Semester II (Electrical, E & Tc, and Instrumentation) of B. Tech. with effect from academic year 2022-23

hours. 3. Group indicates curriculum component as defined earlier. HM - Humanities, Social

Science and Management

Evaluation Scheme Course **Teaching Scheme*** Theory Practical **Proposed Course Domain** Group Total Credit Code L Т Р Total MSE ISA ESE ICA ESE Mandatory audit course of three Induction Program [Includes Universal Human Values (UHV - I weeks duration as per AICTE 50 50 AU SH100AR model curriculum module)] SH101R Engineering Mathematics I BS 3 4 30 10 60 100 4 1 SH102R Engineering Chemistry BS 3 3 30 10 60 100 3 • • • ... EE101R Basics of Electrical Engineering BE 3 3 30 10 3 60 100 CO101R Programming for Problem Solving BE 3 3 30 10 100 3 60 ... SH104R Communication Skills HM 1 1 15 5 30 50 1 SH105R Communication Skills Lab 2 50 HM 2 50 1 2 ME101R Mechanical Workshop Practices BE 4 4 50 50 SH103R Engineering Chemistry Lab BS 2 2 50 50 1 EE102R Basics of Electrical Engineering Lab BE 2 2 50 50 1 Programming for Problem Solving CO102R BE 2 2 50 50 1 Lab Total 13 1 12 26 135 45 270 250 0 700 20 Students should note that it is mandatory to earn the audit points by participating / performing in co-curricular and extra-curricular

GOVERNMENT COLLEGE OF ENGINEERING, JALGAON Scheme for Semester I (Computer) of B. Tech. with effect from academic year 2022-23

activities. Total number of audit points required throughout the B. Tech. program is 8 each for co-curricular and extra-curricular activities.

T: Tutorial

L : Lecture **ISA :Internal Sessional Assessment**

MSE: Mid Semester Examination P: Practical ESE: End Semester Examination ICA : Internal Contineous Accessment

1. ESE (TH) duration for SH104U is two hours and that for all other theory courses is three hours.

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Note:

GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

Template for Curriculum Structure of First Year Engineering

Scheme for Semester II (Computer) of B. Tech. with effect from academic year 2022-23

G			T		C 1	**	Evaluation Scheme						
Course	Proposed Course Domain	Group	Т	eachin	g Sche	me*		Theory		Practical		Total	Credit
Code	-	-	L	Т	Р	Total	MSE	ISA	ESE	ICA	ESE	Total	Crean
SH151R	Engineering Mathematics II	BS	3	1		4	30	10	60			100	4
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ET151R	Basic Electronics and Measurement Techniques	BE	3			3	30	10	60			100	3
CO151R	Python Programming	BE	3			3	30	10	60			100	3
ME152R	Engineering Exploration Workshop	BE			4	4				50		50	2
SH153R	Engineering Physics Lab	BS			2	2				50		50	1
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CO152R	Python Programming Lab	BE			2	2				50		50	1
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Code	-	-	L	Т	Р	Total	MSE	ISA	ESE	ICA	ESE	Total	Credit
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CO102R	Programming for Problem Solving Lab	BE			2	2				50		50	1
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GOVERNMENT COLLEGE OF ENGINEERING, JALGAON Scheme for Semester I (Civil and Mechanical) of B. Tech. with effect from academic year 2022-23

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GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

Template for Curriculum Structure of First Year Engineering

Scheme for Semester II (Civil and Mechanical) of B. Tech. with effect from academic year 2022-23

a				1.	G 1	*	Evaluation Scheme						
Course	Proposed Course Domain	Group	Teaching Scheme*					Theory		Prac	ctical	Total	Credit
Code	-	-	L	Т	Р	Total	MSE	ISA	ESE	ICA	ESE	Total	Crean
SH151R	Engineering Mathematics II	BS	3	1		4	30	10	60			100	4
SH152R	Engineering Physics	BS	3			3	30	10	60			100	3
ME151R	Engineering Graphics	BE	3			3	30	10	60			100	3
ET151R	Basic Electronics and Measurement Techniques	BE	3			3	30	10	60			100	3
CE151R	Engineering Mechanics	BE	3			3	30	10	60			100	3
ME152R	Engineering Exploration Workshop	BE			4	4				50		50	2
SH153R	Engineering Physics Lab	BS			2	2				50		50	1
ME153R	Engineering Graphics Lab	BE			2	2				50		50	1
ET152R	Basic Electronics and Measurement Techniques Lab	BE			2	2				50		50	1
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