K.K.Wagh Institute of Engineering Education and Research, Nasik (Autonomous w.e.f. A.Y.2022-23)
Details of Course Structure: B.Tech

- **Summary of Credits and Total Marks for U.G.Programme: Mechanical Engineering**

Semester	B.Tech	
	Total Credits (TH+PR/OR/TU)	**Total Marks**
III	22	700
IV	20	750
V	21	725
VI	21	725
VII	21	725
VIII	21	725
Total	**126**	**4350**

- **Description of various Courses:**

Type of Course	Description	Type of Course	Description
ESC	Engineering Science Course - Workshop - Drawing- Fundamentals of different branches	DCC	Department Core Course
BSC	Basic Science Courses	DEC	Department Elective Course
LHSM	Liberal arts, Humanities, Social Sciences and Management courses	OEC	Open Elective Courses of other technical or emerging areas /Courses designed by Industry
PSI	Project work, Seminar, Internship, PBL	IMC	Induction and Mandatory Courses
NC	Non Credit Courses	ASM	Additional Specialized / MOOCs

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Pattern of Course Structure: Semester – III S.Y.B.Tech Mechanical

Course Code	Course Type	Title of Course	Teaching Scheme Hrs./week			Evaluation Scheme and Marks								Credits			
			TH	TU	PR	In Sem	End Sem	CCE	TU	TW	PR	OR	Total	TH	TU	PR	Total
SMH222501	BSC	Applied Mathematics –III	3	1	-	20	60	20	25	-	-	-	125	3	1	-	4
MEC222002	DCC	Fluid Mechanics	3	-	-	20	60	20	-	-	-	-	100	3	-	-	3
MEC222003	DCC	Engineering Metallurgy	3	-	-	20	60	20	-	-	-	-	100	3	-	-	3
MEC222004	ESC	Basic Electronics for Mechanical Engineering	3	-	-	20	60	20	-	-	-	-	100	3	-	-	3
MEC222005	DCC	Manufacturing Processes	3	-	-	20	60	20	-	-	-	-	100	3	-	-	3
MEC222006	LHSM	Engineering Economics	1	-	-	-	-	-	-	25	-	-	25	1*	-	-	1
MEC222007	DCC	Fluid Mechanics Lab	-	-	2	-	-	-	-	-	25	-	25	-	-	1	1
MEC222008	DCC	Engineering Metallurgy Lab	-	-	2	-	-	-	-	25	-	25	50	-	-	1	1
MEC222009	ESC	Basic Electronics for Mechanical Engineering Lab	-	-	2	-	-	-	-	25	-	25	50	-	-	1	1
MEC222010	PSI	Geometric Modeling and Production Drawing	-	-	4	-	-	-	-	25#	50	-	75	-	-	2	2
		Total	**16**	**1**	**10**	**100**	**300**	**100**	**25**	**100**	**75**	50	**750**	**16**	**1**	**5**	**22**

Assessment of 25 marks will be done considering consistent progress of work throughout the semester

Credit for 'PR' head are linked with 'TW' and 'OR' marks

*This Credit will be assessed as a TW

K.K.Wagh Institute of Engineering Education and Research, Nasik (Autonomous w.e.f. A.Y.2022-23)
Pattern of Course Structure: Semester – IV S.Y.B.Tech

Course Code	Course Type	Title of Course	Teaching Scheme Hrs./week			Assessment Scheme of Marks								Credits			
			TH	TU	PR	In Sem	End Sem	CCE	TU	TW	PR	OR	Total	TH	TU	PR	Total
MEC222011	DCC	Engineering Thermodynamics	3	-	-	20	60	20	-	-	-	-	100	3	-	-	3
MEC222012	DCC	Theory of Machines	3	-	-	20	60	20	-	-	-	-	100	3	-	-	3
MEC222013	DCC	Mechanics of Material	3	-	-	20	60	20	-	-	-	-	100	3	-	-	3
MEC222014	DCC	Electric and Hybrid Vehicles	3	-	-	20	60	20	-	-	-	-	100	3	-	-	3
MEC222015	LHSM	Economics for Sustainability	3	-	-	20	60	20	-	-	-	-	100	3	-	-	3
MEC222016	NC	Design Thinking	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEC222017	DCC	Thermal Engineering Lab	-	-	2	-	-	-	-	25	25	-	50	-	-	1	`1
MEC222018	DCC	Theory of Machines Lab	-	-	2	-	-	-	-	25	-	25	50	-	-	1	1
MEC222019	DCC	Mechanics of Material Lab	-	-	2	-	-	-	-	25	-	25	50	-	-	1	1
MEC222020	PSI	PBL: Idea Lab Workshop	-	-	4	-	-	-	-	50 #	-	-	50	-	-	2	2
		Total	16	-	10	100	300	100	-	125	25	50	700	15	-	5	20

Assessment of 50 marks will be done considering consistent progress of work throughout the semester and Project Presentation at end of semester.
Credit for 'PR' head are linked with 'TW' and 'OR' marks