MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

A Grant-in-Aid Autonomous Institute of Government of M.P India, Estd in 1957
(Affiliated to R.G.P.V. Bhopal M.P)

SCHEME

(Under Flexible Curriculum)

B. Tech. Mechanical Engg. with Honors

Admitted Batch

(2018-2022)

DEPARTMENT OF MECHANICAL ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)

Scheme of Examination for Honors

B. Tech. V Semester (Mechanical Engineering)

S.No	Subject Code	Subject Name	Theory MOOC			Credits
			Max marks End Sem	Max Marks Assignment/ Quiz	Total Marks	
1.	H120501	Advanced Concepts in Fluid Mechanics	75	25	100	04
2.	H120502	System Design for Sustainability	75	25	100	04
3.	H120503	Manufacturing Systems Technology Part I & II	75	25	100	04
4.	H120504	Fundamentals of Manufacturing Processes	75	25	100	04
5.	H120505	Mathematical Modeling of Manufacturing Processes	75	25	100	04

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Scheme of Examination for Honors
B. Tech. VI Semester (Mechanical Engineering)

For batches admitted in academic session July, 2018

S.No	Subject Code	Subject Name	Theory MOOC			Credits
			Max marks End Sem	Max Marks Assignment/ Quiz	Total Marks	
1.	H120601	Conduction and Convection Heat Transfer	75	25	100	04
2.	H120602	Failure Analysis and Prevention	75	25	100	03
3.	H120603	Six Sigma	75	25	100	04

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Scheme of Examination for Honors
B. Tech. VII Semester (Mechanical Engineering)

S.No	Subject Code	Subject Name	Theory MOOC			Credits
			Max marks End Sem	Max Marks Assignment/ Quiz	Total Marks	
1.	H120701	Fundamentals of Artificial Intelligence	75	25	100	04
2.	H120702	Rapid Manufacturing	75	25	100	04
3.	H120703	Heat Exchangers: Fundamentals and Design Analysis	75	25	100	04

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Scheme of Examination for Honors
B. Tech. VIII Semester (Mechanical Engineering)

S.No	Subject Code	Subject Name	Theory MOOC			Credits
			Max marks End Sem	**Max Marks Assignment/ Quiz**	**Total Marks**	
1.	H120801	Fundamentals of Nuclear Power Generation	75	25	100	04
2.	H120802	Modelling and simulation of dynamic systems	75	25	100	04
3.	H120803	Computer integrated Manufacturing	75	25	100	04