



**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**Shri Vaishnav Institute of Technology and Science**  
**Choice Based Credit System (CBCS) Scheme in the light of NEP-2020**  
**M.Tech. in Renewable Energy**

**SEMESTER - I (2021-23)**


S. No.	COURSE CODE	COURSE NAME	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME					TOTAL MARKS
			L	T	P		THEORY			PRACTICAL		
							End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)	Teachers Assessment* (40%)	
1	MTMAEC101	Advanced Mathematics	3	1	0	4	60	20	20	0	0	100
2	MTRE101	Applied Power Electronics and Drives	2	0	2	3	60	20	20	30	20	150
3	MTRE102	Solar Power Generation	3	0	2	4	60	20	20	30	20	150
4		Elective I	3	0	0	3	60	20	20	0	0	100
5	MBAI301C	Advanced Human Values and Professional Ethics	4	0	0	4	60	20	20	0	0	100
6		Generic Elective I	3	0	0	3	60	20	20	0	0	100
<b>Total</b>			<b>18</b>	<b>1</b>	<b>4</b>	<b>21</b>	<b>360</b>	<b>120</b>	<b>120</b>	<b>60</b>	<b>40</b>	<b>700</b>

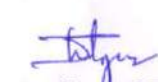
Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

\*Teacher Assessment shall be based following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

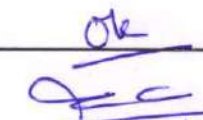
Elective I	
MTRE113	Grid Connectivity and Smart Grid
MTRE114	Converters for Renewable Energy System
MTRE115	Power Sources for Electric Vehicles

  
**Chairperson**  
 Board of Studies  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore

  
**Chairperson**  
 Faculty of Studies  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore

  
**Controller of Examination**  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore

  
**Joint Registrar**  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore

  
**Vice Chancellor**  
 3/12/2021  
 Shri Vaishnav Vidyapeeth  
 Vishwavidyalaya, Indore