

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

**LIST OF NOVEL ENGAGING COURSES JUNE - DEC. 2022**

Sr.	Course Name & Code	Mentor	Mentor Deptt.
1	3D Printing (2000001)	Gavendra Norkey	ME
2	Amateur Radio Communication (2000002)	Vandana Vikas Thakare	EE
3	Design Skills Using Simulation Software (2000003)	Sharad Agrawal	ME
4	Data Analysis Skills (2000004)	D.K. Jain	MAC
5	Robotics (2000007)	Karuna Markam	EC
6	Vehicular Skill Development (2000008)	Vedansh Chaturvedi	ME
7	Animation (2000009)	Amit Manjhar	CSE
8	Digital Learning* - I (2000010)	Punit Kumar Johari	IT
9	Elements of Photographic Skills (2000012)	D.K. Parsediya	EC
10	Environment Protection* - I (2000013)	Aditya K. Agarwal	CE
11	National Service Scheme** (NSS) - I (2000016)	Manish Sagar	NSS
12	National Service Scheme** (NSS) - III (2000018)	Manish Sagar	NSS
13	National Cadet Corps** (NCC) - I (2000020)	B.P.S. Bhadoria	NCC
14	National Cadet Corps** (NCC) – III (2000022)	B.P.S. Bhadoria	NCC
15	Organic Farming (2000028)	Archana Tiwari	CE
16	Games & Sports** - I (2000032)	B.P.S. Bhadoria	Sports
17	Games & Sports** - III, (2000034)	B.P.S. Bhadoria	Sports
18	Alternative Therapies** - I (2000038)	Sunita Sharma	BT
19	Holistic Health* - I (2000042)	Vishal Chaudhary	EE
20	Sculpture Making* - I (2000046)	Pranshi Jain	Arch.
21	English Literary Skills (2000048)	Sanjeev Khanna	Humanities
22	Hindi Language Skills (2000049)	A.S. Ojha	MAC
23	Preliminary Journalism Skills (2000050)	Anish P. Jacob	CM
24	Food and Nutrition (2000052)	Anjula Gaur	App. Sc.
25	Career Guidance & Preparedness (2000053)	Praveen Bansal & Swati Gupta	EE & CM.
26	Public Speaking* - I (2000058)	Manish Dixit & Ankita Sengar	CSE & Arch.
27	Coding Skills** - I (2000060)	Rajni Ranjan Singh	CSE
28	Coding Skills** - III (2000062)	Rajni Ranjan Singh	CSE
29	Emerging Technologies in Computer Science (2000064)	Mahesh Parmar	CSE
30	Software Development** - I (2000066)	Atul Chauhan	Data Resource
31	Software Development** - III (2000068)	Atul Chauhan	Data Resource
32	Photo Editing Software: Adobe Photoshop (2000070)	Versha Sinha	Arch.
33	Basics of Technical Analysis in Stocks (2000071)	Ankit Kumar	Arch.
34	Graphic Design (2000072)	Satyam Shukla	Arch.
35	World Heritage Sites: A Brief Overview (2000073)	Richa Mishra	Arch.
36	Basic and Advanced Excel (2000074)	Abhilash Shukla	CE
37	Shilpa Samhita : Philosophy of Indian Ancient Geotechnical Engineering (2000075)	Chayan Gupta	CE
38	Fire Safety and Regulation in Building (2000076)	Hemant Shrivastava	CE
39	Developments in Pavement Construction: Past to Future (2000077)	Jayvant Choudhary	CE
40	SPSS For Data Analysis (2000078)	Prachi Singh	CE
41	Shutter Up-Flash Me Photography (2000080)	Shourabh Raghuvanshi	CM
42	Science and Technology Around Us (2000081)	Rakesh Dubey	CM
43	Cloud Computing: Techniques & Tools (2000083)	Mir Shahnawaz Ahmad	CSE
44	Role of MATLAB in Computations (2000084)	Ranjeet Kumar Singh	CSE
45	Demystifying Online Social networks (2000085)	Arun Kumar	CSE
46	Gender Sensitization (2000088)	Anshu Chaturvedi	CSE
47	IT Tools (2000089)	Abhishek Dixit	IT
48	Understanding Financial Markets (2000090)	Saamil Maheshwari	IT
49	Intellectual Property : Rules, Drafting and Processing (2000091)	Vikram Rajpoot	IT
50	Modern techniques for business correspondence (2000093)	Namrata Agrawal	IT
51	Integrating Engineering and Literacy (2000094)	Tej Singh	IT (AIR)
52	Imbalance Learning (2000095)	Bhagat Singh Raghuvanshi	IT (AIR)
53	Python for Image processing applications using OpenCV (2000096)	Pawan Dubey	IT (AIR)
54	MATLAB: Applications in Mathematical Biology (2000098)	Divya Chaturvedi	MAC
55	Basics and Applications of Mathematica (2000099)	Atul Kumar Ray	MAC
56	Technical Report Writing for Engineers (2000100)	Minakshi	MAC
57	Proficiency in Microsoft Excel (2000101)	Nikhil Paliwal	EE
58	Fundamentals of Electronics Devices (2000102)	Manoj Kumar	EE
59	Microsoft Visio: Scratch to Advance (2000103)	Bhavna Rathore	EE
60	Renewable Energy Technology: Domestic load requirements (2000106)	Rahul Sagwal	EE

61	Electrical Wiring, hazards & safety (2000107)	Saurabh Rajput	EE
62	Basics of MATLAB Programming (2000108)	Sandeep Sharma	EC
63	Basic Programming of Python using Google Colab (2000109)	Hemant Choubey	EC
64	LT Spice Tutorial for Circuit Simulation (2000110)	Vikas Mahor	EC
65	Research Paper Writing (2000111)	Dinesh Rano	EC
66	Understanding Logic Gates (2000114)	Rahul Dubey	EC
67	MATLAB Simulink (2000115)	Deepak Batham	EC
68	CFD Foundation Course using ANSYS FLUENT (2000117)	Subash Chand Pal	ME
69	Solar Applications (2000118)	Ravi Kant Ranjan	ME
70	Computational Methods for Engineers using MATLAB (2000119)	Nitin Upadhyay	ME
71	Role of Non-Destructive Testing (NDT) in modern inspection technology (2000120)	Surendra Chourasiya	ME
72	Creative thinking and problem solving (2000121)	Harbhajan Ahirwar	ME
73	Material Characterization Techniques for Engineering Applications (2000122)	Dinesh Rathore	ME
74	System Dynamics: Using Bond Graph Approach (2000123)	Neeraj Mishra	ME
75	Basics of Campus Recruitment Training (2000124)	Trilok Pratap Singh	MBA
76	Corporate Governance (2000125)	Namrata Gupta	MBA
77	Professional Networking & CSR (2000126)	Monica Chauhan Bhadoriya	MBA
78	Craft practices in India (2000127)	Gautam Bhadoriya	CE
79	Design of Heat Exchangers (2000128)	Ashish Agrawal	ME
80	Smart Grid (2000129)	Himmat Singh	EE
81	Study of Historical Monuments of Gwalior (2000130)	Jaimala Jha	CSE
82	An Introduction to Queueing Systems and its Applications (2000131)	J.K. Muthale	MAC
83	Image processing using MATLAB (2000132)	Khushboo Agarwal	CSE
84	Digital Circuit Design (2000133)	Kuldeep Swarnkar	EE
85	Practical Electronics for Inventors (2000134)	Madhav Singh	EC
86	Research Paper Preparation and Publication -Basics (2000135)	Rakesh Narvey	EE
87	Basics of Control Systems for Engineers (2000136)	R.P. Narwaria	EC
88	Computational Thinking for Problem Solving (2000137)	Sanjiv Sharma	IT
89	Introduction to AutoCAD for Engineers (2000138)	Utkarsh Srivastava	ME
90	Smart Home Technologies (2000139)	Vikas Shejwar	IT
91	OrCAD PSpice (2000140)	Yashwant Sawle	EE
92	Electrical Safety (2000141)	Vijay Bhuria	EE
93	Microsoft Office-Excel Skills (2000142)	Abhilash Sonker	IT
94	Know your Country: History, Culture & Traditions (2000143)	Neha Bhardwaj	IT
95	Technical writing (2000144)	Nidhi Saxena	IT
96	“The Smith Chart” concepts for solving complex network problems (2000145)	Pooja Sahoo	EC
97	Basic Course in Numerical Simulation using Scilab (2000146)	Vikram Saini	EE
98	Digital Image Enhancement Techniques (2000147)	Shubhi Kansal	EC
99	Project Management (2000148)	Jyoti Vimal	ME
100	Software Model and Project Management Life Cycle (2000149)	Parul Saxena	CSE
101	Statistical data analysis through programming (2000150)	Dhananjay Bisen	IT
102	Innovation: From Creativity to Entrepreneurship**-I (2000151)	Ankit Tiwari	EE
103	Entrepreneurship: Concept to Company*-I (2000155)	Varun Sharma	EC
104	Bhagwad Gita- An Introduction (2000157)	C.S. Malvi	ME

- Note:**
1. Courses marked with \* are of two parts (Part –I & II will run in two semesters). One credit for each part.
  2. Courses marked with \*\* are of four parts (Part – I, II, III & IV will run in four semesters). One credit for each part.
  3. Remaining all courses are of one credit each.
  4. **Course 2000151 is for III Semester students only.**
  5. **Course 2000155 is for V Semester students only.**
  6. **All courses are open for both III & V Semester students except 2000151 & 2000155 (subject to the condition that the courses studied earlier during session 2021-22 by 2020 admitted batch cannot be taken again).**