MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

REPORT

OF

NOVEL ENGAGINGE COURSE

BY

I Q A C

Internal Quality Assurance Cell

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

S. No.	Name of courses	Course Mentors	Total Enrolled Students
1	72	66	2469

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 Manjhvar	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 Therepies** - 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 Raghuwanshi	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)	Saumil 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 Raghuwanshi	IT (AIR)
53	Python for Image processing applications using Open CV (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. Muthele	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 Auto CAD 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

LIST OF NOVEL ENGAGING COURSES JULY - DEC. 2022

Note:

(i) Courses marked with * are of two parts (Part –I & II will run in two semesters). One credit for each part.

(ii) Courses marked with ** are of four parts (Part – I, II, III & IV will run in four semesters). One credit for each part.

(iii) Remaining all courses are of one credit each.

(iv) Course 2000151 is for III Semester students only.

(v) Course 2000155 is for V Semester students only.

(vi) 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).

NEC Registration Data Aug-Dec-2022 Session

Course ID	Course Name	Course Mentor	Department	No. of Students
2000001	3D Printing	Gavendra Norkey	ME	50
2000009	Animation	Amit Manjhvar	CSE	50
2000074	Basic and Advanced Excel	Abhilash Shukla	CE	50
2000109	Basic Programming of Python using Google Colab	Hemant Choubey	EC	50
2000099	Basics and Applications of Mathematica	Atul Kumar Ray	MAC	11
2000124	Basics of Campus Recruitment Training	Trilok Pratap Singh	MBA	50
2000136	Basics of Control Systems for Engineers	R. P. Narwaria	EC	11
2000108	Basics of MATLAB Programming	Sandeep Sharma	EC	39
2000071	Basics of Technical Analysis in Stocks	Ankit Kumar	Arch.	50
2000157	Bhagwad Gita- An Introduction	C S Malvi	ME	50
2000053	Career Guidance & Preparedness	Praveen Bansal & Swati Gupta	EE & CM.	50
2000117	CFD Foundation Course using ANSYS FLUENT	Subash Chand Pal	ME	10
2000083	Cloud Computing: Techniques & Tools	Mir Shahnawaz Ahmad	CSE	50
2000060	Coding Skills** - I	Rajni Ranjan Singh	CSE	50
2000062	Coding Skills** - III	Rajni Ranjan Singh	CSE	25
2000137	Computational Thinking for Problem Solving	Sanjiv Sharma	IT	44
2000125	Corporate Governance	Namrata Gupta	MBA	8
2000121	Creative thinking and problem solving	Harbhajan Ahirwar	ME	50
2000004	Data Analysis Skills	D K Jain	MAC.	50
2000085	Demystifying Online Social networks	Arun Kumar	CSE	25
2000003	Design Skills Using Simulation Software	Sharad Agrawal	ME	20
2000077	Developments in Pavement Construction: Past to Future	Jayvant Choudhary	CE	10
2000133	Digital Circuit Design	Kuldeep Swarnkar	EE	11
2000010	Digital Learning* - I	Punit Kumar Johari	IT	26
2000012	Elements of Photographic Skills	D.K. Parsediya	EC	50
2000064	Emerging Technologies in Computer Science	Mahesh Parmar	CSE	50
2000048	English Literary Skills	Sanjeev Khanna	Humanities	18

2000155	Entrepreneurship: Concept to Company*-I	Varun Sharma	EC	42
2000013	Environment Protection* - I	Aditya K. Agarwal	CE	50
2000076	Fire Safety and Regulation in Building	Hemant Shrivastava	CE	24
2000052	Food and Nutrition	Anjula Gaur	App. Sc.	25
2000032	Games & Sports** - I	B.P.S. Bhadoria	Sports	50
2000034	Games & Sports** - III,	B.P.S. Bhadoria	Sports	40
2000072	Graphic Design	Satyam Shukla	Arch.	50
2000049	Hindi Language Skills	A.S. Ojha	MAC	24
2000042	Holistic Health* - I	Vishal Chaudhary	EE	9
2000095	Imbalance Learning	Bhagat Singh Raghuwanshi	IT (AIR)	8
2000151	Innovation: From Creativity to Entrepreneurship**-I	Ankit TIwari	EE	50
2000138	Introduction to Auto CAD for Engineers	Utkarsh Srivastava	ME	50
2000089	IT Tools	Abhishek Dixit	IT	50
2000143	Know your Country: History, Culture & Traditions	Neha Bhardwaj	IT	50
2000110	LT Spice Tutorial for Circuit Simulation	Vikas Mahor	EC	20
2000122	Material Characterization Techniques for Engineering Applications	Dinesh Rathore	ME	10
2000142	Microsoft Office-Excel Skills	Abhilash Sonker	IT	50
2000093	Modern techniques for business correspondence	Namrata Agrawal	IT	16
2000020	National Cadet Corps** (NCC) - I	B.P.S. Bhadoria	NCC	50
2000022	National Cadet Corps** (NCC) III	B.P.S. Bhadoria	NCC	12
2000016	National Service Scheme** (NSS) - I	Manish Sagar	NSS	37
2000018	National Service Scheme** (NSS) - III	Manish Sagar	NSS	18
2000028	Organic Farming	Archana Tiwari	CE	19
2000070	Photo Editing Software: Adobe Photoshop	Versha Sinha	Arch.	50
2000134	Practical Electronics for Inventors	Madhav Singh	EC	7
2000050	Preliminary Journalism Skills	Anish P. Jacob	CM	10
2000101	Proficiency in Microsoft Excel	Nikhil Paliwal	EE	50
2000148	Project Management	Jyoti Vimal	ME	50
2000058	Public Speaking* - I	Manish Dixit	CSE	50

2000096	Python for Image processing applications using Open CV	Pawan Dubey	IT (AIR)	50
2000007	Robotics	Karuna Markam	EC	50
2000084	Role of MATLAB in Computations	Ranjeet Kumar Singh	CSE	29
2000081	Science and Technology Around Us	Rakesh Dubey	CM	15
2000046	Sculpture Making* - I	Pranshi Jain	Arch.	8
2000080	Shutter Up-Flash Me Photography	Shourabh Raghuwanshi	CM	50
2000139	Smart Home Technologies	Vikas Shejwar	IT	50
2000066	Software Development** - I	Atul Chauhan	Data Resource	50
2000068	Software Development** - III	Atul Chauhan	Data Resource	18
2000118	Solar Applications	Ravi Kant Ranjan	ME	18
2000150	Statistical data analysis through programming	Dhananjay Bisen	IT	50
2000130	Study of Historical Monuments of Gwalior	Jaimala Jha	CSE	11
2000090	Understanding Financial Markets	Saumil Maheshwari	IT	50
2000114	Understanding Logic Gates	Rahul Dubey	EC	31
2000008	Vehicular Skill Development	Vedansh Chaturvedi	ME	15
2000073	World Heritage Sites: A Brief Overview	Richa Mishra	Arch.	45
Total No. of courses	**72**	**Total No. of students**	**2469**	

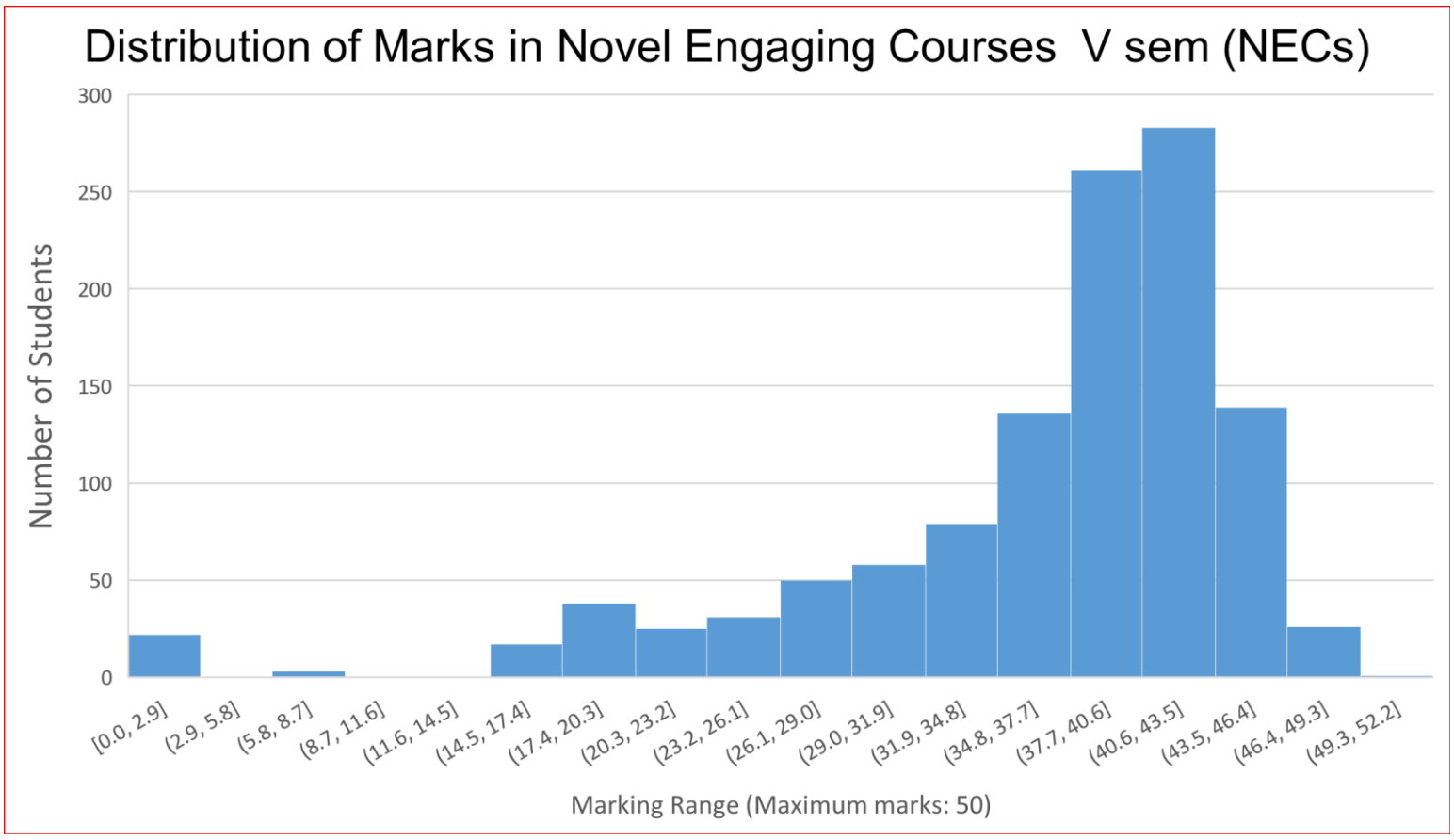
NEC STUDENT FEEDBACK (AUGUST-NOVEMBER 2022 SESSION)

Sr.	Name of the Course	Mentor Name	Registered Students	No. of students Submitted Feedback	% response	Feedback Questions Score on 5 Point Scale										Average Score
						Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	
1	2000001 3D Printing	Dr Gavendra Norkey	50	24	48.00	4	4	4	4	4	4	4	4	4	4	4
2	2000003 Design Skills Using Simulation Software	Prof. Sharad Agrawal	23	14	60.87	4	5	5	5	5	5	5	5	5	5	4.9
3	2000004 Data Analysis Skills	Dr. D.K. Jain	50	16	32.00	5	5	5	5	5	5	5	4	4	5	4.8
4	2000007 Robotics	Dr. Karuna Markam	50	41	82.00	4	4	5	4	4	4	4	4	4	4	4.1
5	2000008 Vehicular Skill Development	Prof. Vedansh Chaturvedi &Ajay Rajput	15	4	26.67	5	5	5	5	5	5	5	5	5	5	5
6	2000009 Animation	Prof. Amit Manjhwar	50	29	58.00	4	4	5	5	4	4	5	4	5	5	4.5
7	2000010 Digital Learning* - I	Dr. Punit Kumar Johari	30	9	30.00	5	5	5	4	5	5	5	5	5	4	4.8
8	2000012 Elements of Photographic Skills	Prof. Deep Kishore Parsediya	50	30	60.00	4	4	5	5	4	4	4	4	4	4	4.2
9	2000013 Environment Protection* - I	Prof. Aditya K Agarwal	50	17	34.00	5	5	5	5	5	5	5	5	5	5	5
10	2000016 National Service Scheme** (NSS) - I	Dr. Manish Sagar	49	16	32.65	4	4	5	5	4	4	4	5	4	4	4.3
11	2000018 National Service Scheme** (NSS) - III	Dr. Manish Sagar	18	5	27.78	5	5	5	5	4	5	5	5	4	5	4.8
12	2000020 National Cadet Corps** (NCC) - I	Dr. BPS Bhadoria	50	34	68.00	4	4	4	4	4	4	4	4	4	4	4
13	2000022 National Cadet Corps** (NCC) - III	Dr. BPS Bhadoria	12	1	8.33	5	5	5	5	5	5	5	5	5	5	5
14	2000028 Organic Farming	Dr. Archana Tiwari	20	7	35.00	5	5	5	5	5	4	5	5	5	5	4.9
15	2000032 Games & Sports** - I	Dr. BPS Bhadoria	50	33	66.00	5	5	5	5	5	5	5	5	5	5	5
16	2000034 Games & Sports** - III	Dr. BPS Bhadoria	40	29	72.50	5	5	5	5	5	5	5	5	5	5	5
17	2000042 Holistic Health* - I	Prof. Vishal Choudhary	11	4	36.36	5	5	5	5	5	5	5	5	5	5	5
18	2000046 Sculpture Making* - I	Dr. Pranshi Jain	9	7	77.78	4	4	5	5	4	4	5	5	5	5	4.6
19	2000048 English Literary Skills	Dr. Sanjeev Khanna	18	5	27.78	5	5	5	5	5	5	5	5	5	5	5
20	2000049 Hindi Literary Skills	Prof. A.S. Ojha	24	14	58.33	5	5	5	5	5	5	5	5	5	5	5
21	2000050 Preliminary Journalism Skills	Prof. Anish P. Jacob	10	1	10.00	5	5	5	5	5	5	5	5	5	5	5
22	2000052 Food and Nutrition	Dr. Anjula Gaur	25	11	44.00	4	4	5	4	4	4	5	4	4	4	4.2
23	2000053 Career Guidance & Preparedness	Dr. Praveen Bansal/Dr. Swati Gupta	50	29	58.00	5	5	5	5	5	4	5	5	5	5	4.9
24	2000058 Public Speaking* - I	Dr. Manish Dixit & Ankita Sengar	50	35	70.00	5	5	5	5	4	5	5	5	5	5	4.9
25	2000060 Coding Skills** - I	Dr. Rajni Ranjan Makwana	50	17	34.00	4	4	4	4	4	4	4	4	4	4	4
26	2000062 Coding Skills** - III	Dr. Rajni Ranjan Makwana/Jigyasa Mishra	25	11	44.00	5	5	5	5	5	5	5	5	5	5	5
27	2000064 Emerging Technologies in Computer Science	Prof. Mahesh Parmar	50	41	82.00	4	4	5	4	4	4	4	4	4	4	4.1
28	2000066 Software Development** - I	Mr. Atul Chouhan	50	19	38.00	4	4	5	4	4	4	4	4	4	4	4.1
29	2000068 Software Development** - III	Mr. Atul Chouhan	18	11	61.11	5	5	5	5	5	5	5	5	5	5	5
30	2000070 Photo Editing Software: Adobe Photoshop	Ms. Versha Sinha	50	45	90.00	5	5	5	5	4	5	5	5	5	5	4.9
31	2000071 Basics of Technical Analysis in Stocks	Mr. Ankit Kumar	50	21	42.00	5	5	5	5	5	5	5	5	5	5	5
32	2000072 Graphic Design	Mr. Satyam Shukla	50	46	92.00	4	4	5	5	4	4	5	5	4	5	4.5
33	2000073 World Heritage Sites: A Brief Overview	Ms. Richa Mishra	46	34	73.91	5	5	5	5	5	5	5	5	5	5	5
34	2000074 Basic and Advanced Excel	Prof. Abhilash Shukla	50	16	32.00	5	5	5	5	5	4	5	5	5	5	4.9
35	2000076 Fire Safety and Regulation in Building	Prof. Hemant Shrivastava	24	8	33.33	5	5	5	5	4	5	5	5	4	5	4.8
36	2000077 Developments in Pavement Construction: Past	Prof. Jayvant Choudhary	12	8	66.67	5	5	5	5	5	4	5	5	4	5	4.8
37	2000080 Shutter Up-Flash Me Photography	Prof. Shourabh Raghuwanshi	50	20	40.00	4	4	5	4	4	5	5	5	4	4	4.4
38	2000081 Science and Technology Around Us	Prof. Rakesh Dubey	19	11	57.89	4	4	5	5	4	4	5	4	4	4	4.3
39	2000083 Cloud Computing: Techniques & Tools	Prof. Mir Shahnawaz Ahmad	50	45	90.00	5	5	5	5	5	5	5	5	5	5	5
40	2000084 Role of MATLAB in Computations	Prof. Ranjeet Kumar Singh	31	18	58.06	4	5	5	5	5	4	5	4	4	5	4.6
41	2000085 Demystifying Online Social networks	Prof. Arun Kumar	28	25	89.29	5	5	5	5	4	5	5	5	5	5	4.9
42	2000089 IT Tools	Prof. Abhishek Dixit	50	18	36.00	5	5	5	5	5	5	5	5	4	5	4.9
43	2000090 Understanding Financial Markets	Prof. Saumil Maheshwari	50	39	78.00	5	5	5	5	5	5	5	5	5	5	5
44	2000093 Modern techniques for business correspondenc	Prof. Namrata Agrawal	18	10	55.56	5	5	5	5	5	5	5	5	5	5	5
45	2000095 Imbalance Learning	Prof. Bhagat Singh Raghuwanshi	8	5	62.50	5	5	5	5	5	5	5	5	5	5	5
46	2000096 Python for Image processing applications using	Prof. Pawan Dubey	50	22	44.00	4	4	5	4	4	4	4	4	4	4	4.1
47	2000099 Basics and Applications of Mathematica	Prof. Atul Kumar Ray	19	7	36.84	4	4	5	4	5	5	5	5	4	4	4.5
48	2000101 Proficiency in Microsoft Excel	Prof. Nikhil Paliwal	50	35	70.00	5	5	5	5	5	5	5	5	5	5	5
49	2000108 Basics of MATLAB Programming	Dr. Sandeep Sharma	42	32	76.19	5	4	5	4	5	4	5	4	4	4	4.4
50	2000109 Basic Programming of Python using Google Cc	Prof. Hemant Choubey	50	38	76.00	5	5	5	5	4	5	5	5	5	5	4.9
51	2000110 LT Spice Tutorial for Circuit Simulation	Prof. Vikas Mahor	21	19	90.48	4	5	5	5	5	5	5	4	5	5	4.8
52	2000114 Understanding Logic Gates	Prof. Rahul Dubey	31	13	41.94	5	5	5	5	5	5	5	5	5	5	5
53	2000117-CFD Foundation Course using ANSYS FLUEI	Prof.Subhash Chandra Pal	12	0	0.00	-	-	-	-	-	-	-	-	-	-	-
54	2000118 Solar Applications	Prof. Ravi Kant Ranjan	21	14	66.67	5	5	5	5	4	5	5	4	5	5	4.8
55	2000121 Creative thinking and problem solving	Prof. Harbhajan Ahirwar	50	7	14.00	4	4	4	4	4	4	4	4	4	4	4
56	2000122 Material Characterization Techniques for Engir	Prof. Dinesh Rathore	11	6	54.55	5	5	5	5	5	5	5	5	5	5	5
57	2000124 Basics of Campus Recruitment Training	Dr. Trilok Pratap Singh	50	50	100.00	5	5	5	5	5	5	5	5	5	5	5
58	2000125 Corporate Governance	Dr. Namrata Gupta	8	7	87.50	4	4	4	4	4	4	4	4	4	4	4
59	2000130 Study of Historical Monuments of Gwalior	Prof. Jaimala Jha	14	5	35.71	4	4	5	4	4	4	4	4	4	4	4.1
60	2000133 Digital Circuit Design	Prof. Kuldeep Swarnkar	15	5	33.33	4	4	5	4	4	4	4	4	4	4	4.1
61	2000134 Practical Electronics for Inventors	Prof. Madhav Singh	7	4	57.14	5	5	5	5	5	5	5	5	5	5	5
62	2000136 Basics of Control Systems for Engineers	Prof. R.P. Narwaria	17	11	64.71	4	4	4	4	4	4	4	4	4	4	4
63	2000137 Computational Thinking for Problem Solving	Dr. Sanjiv Sharma	53	20	37.74	5	5	5	5	4	4	5	4	5	4	4.6
64	2000138 Introduction to Auto CAD for Engineers	Prof. Utkarsh Shrivastava	50	33	66.00	4	4	5	4	4	4	4	4	4	4	4.1
65	2000139 Smart Home Technologies	Prof. Vikas Shejwar	50	33	66.00	4	4	4	4	4	4	4	4	4	4	4
66	2000142 Microsoft Office-Excel Skills	Prof. Abhilash Sonker	50	14	28.00	5	5	5	5	4	4	4	5	5	4	4.6
67	2000143 Know your Country: History, Culture & Tradit	Dr. Neha Bharadwaj	50	34	68.00	4	4	5	4	4	4	4	4	4	4	4.1
68	2000148 Project Management	Dr. Jyoti Vimal	50	37	74.00	5	5	5	5	5	5	5	5	5	5	5
69	2000150 Statistical data analysis through programming	Dr. Dhananjay Bisen	50	41	82.00	5	5	5	5	5	5	5	5	5	5	5
70	2000151 Innovation: From Creativity to Entrepreneurshi	Prof. Ankit Kumar	50	18	36.00	5	5	5	5	4	5	5	4	5	5	4.8
71	2000155 Entrepreneurship: Concept to Company*-I	Prof. Varun Sharma	42	31	73.81	5	5	5	5	5	5	5	5	5	5	5
72	2000157 Bhagwad Gita- An Introduction	Dr. C.S. Malvi	50	39	78.00	5	5	5	5	5	5	5	5	5	5	5
		Total	2546	1458	57.27											

QUESTIONS

Q1 Course Mentor clearly defines the goals at the beginning of the Novel Engaging Course
Q2 The course sequence was well planned
Q3 Behavior of course mentor is ethical and shows no gender bias
Q4 The course exposed to you about new knowledge and practices
Q5 The quality of lectures/PPT available through MOODLE, YouTube and other online platforms was good
Q6 The Level of the Novel Engaging course is
Q7 Rate the Communication skills of the faculty
Q8 This Course help me to grow professionally
Q9 I would recommend this Course to other students in future
Q10 Overall rating of the course

(Dr. Rajeev Kansal)
Dean, Student Welfare


Distribution of Marks in Novel Engaging Courses V sem (NECs)
Number of Students
300
250
200
150
100
50
0
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(5.8, 8.7]
(8.7, 11.6]
(11.6, 14.5]
(14.5, 17.4]
(17.4, 20.3]
(20.3, 23.2]
(23.2, 26.1]
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(34.8, 37.7]
(37.7, 40.6]
(40.6, 43.5]
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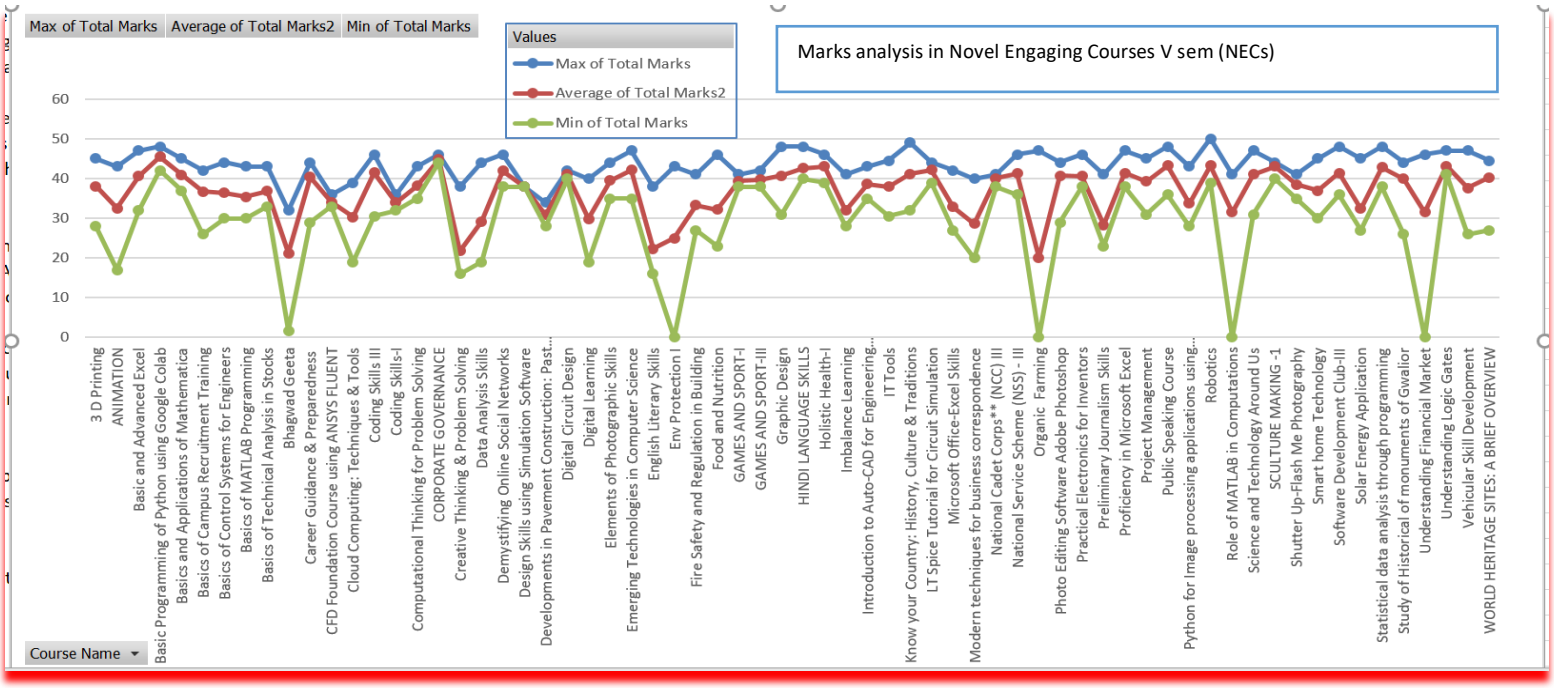
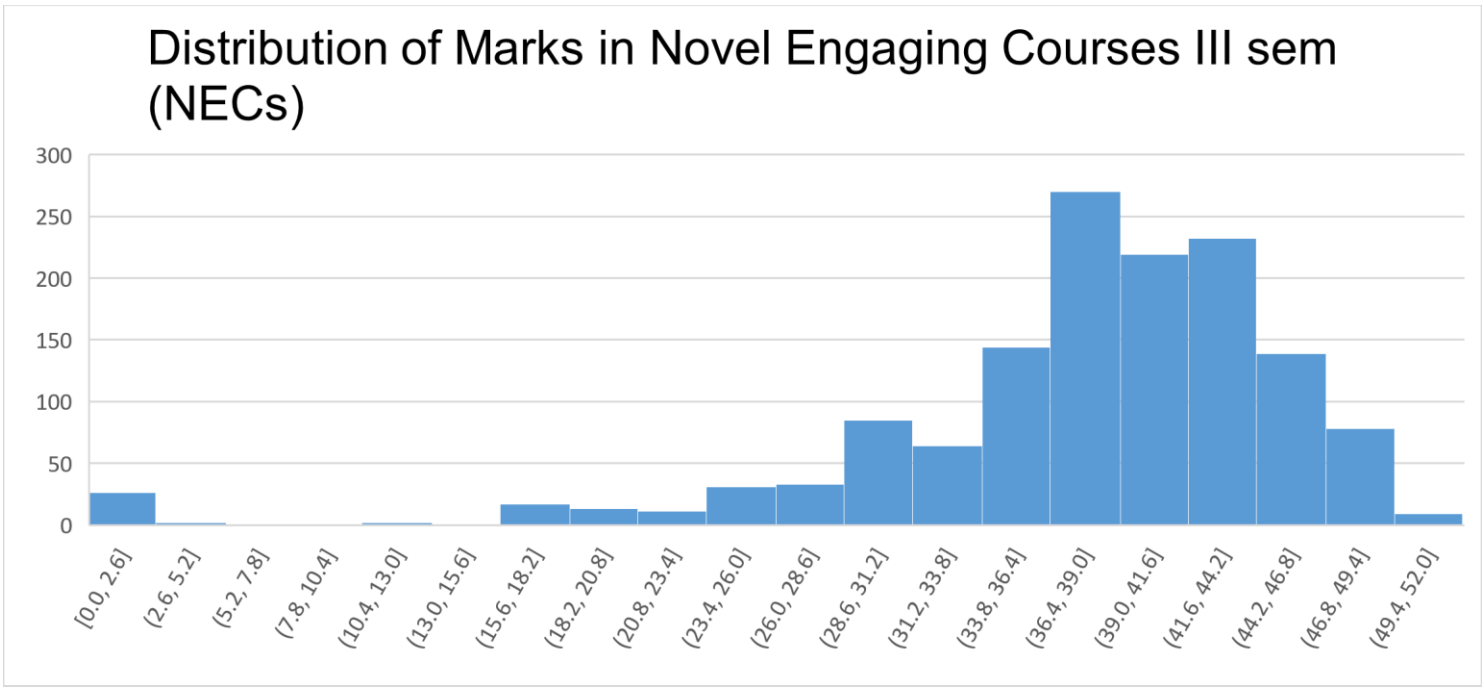
(46.4, 49.3]
(49.3, 52.2]
Marking Range (Maximum marks: 50)


Max of Total Marks
Average of Total Marks2
Min of Total Marks
Values
Max of Total Marks
Average of Total Marks2
Min of Total Marks
Marks analysis in Novel Engaging Courses V sem (NECs)
60
50
40
30
20
10
0
3 D Printing
ANIMATION
Basic and Advanced Excel
Basic Programming of Python using Google Colab
Basics and Applications of Mathematica
Basics of Campus Recruitment Training
Basics of Control Systems for Engineers
Basics of MATLAB Programming
Basics of Technical Analysis in Stocks
Bhagwad Geeta
Career Guidance & Preparedness
CFD Foundation Course using ANSYS FLUENT
Cloud Computing: Techniques & Tools
Coding Skills III
Coding Skills-I
Computational Thinking for Problem Solving
CORPORATE GOVERNANCE
Creative Thinking & Problem Solving
Data Analysis Skills
Demystifying Online Social Networks
Design Skills using Simulation Software
Developments in Pavement Construction: Past...
Digital Circuit Design
Digital Learning
Elements of Photographic Skills
Emerging Technologies in Computer Science
English Literary Skills
Env Protection I
Fire Safety and Regulation in Building
Food and Nutrition
GAMES AND SPORT-I
GAMES AND SPORT-III
Graphic Design
HINDI LANGUAGE SKILLS
Holistic Health-I
Imbalance Learning
Introduction to Auto-CAD for Engineering...
IT Tools
Know your Country: History, Culture & Traditions
LT Spice Tutorial for Circuit Simulation
Microsoft Office-Excel Skills
Modern techniques for business correspondence
National Cadet Corps** (NCC) III
National Service Scheme (NSS) - III
Organic Farming
Photo Editing Software Adobe Photoshop
Practical Electronics for Inventors
Preliminary Journalism Skills
Proficiency in Microsoft Excel
Project Management
Public Speaking Course
Python for Image processing applications using...
Robotics
Role of MATLAB in Computations
Science and Technology Around Us
SCULTURE MAKING -1
Shutter Up-Flash Me Photography
Smart home Technology
Software Development Club-III
Solar Energy Application
Statistical data analysis through programming
Study of Historical of monuments of Gwalior
Understanding Financial Market
Understanding Logic Gates
Vehicular Skill Development
WORLD HERITAGE SITES: A BRIEF OVERVIEW
Course Name


Distribution of Marks in Novel Engaging Courses III sem (NECs)
300
250
200
150
100
50
0
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(5.2, 7.8]
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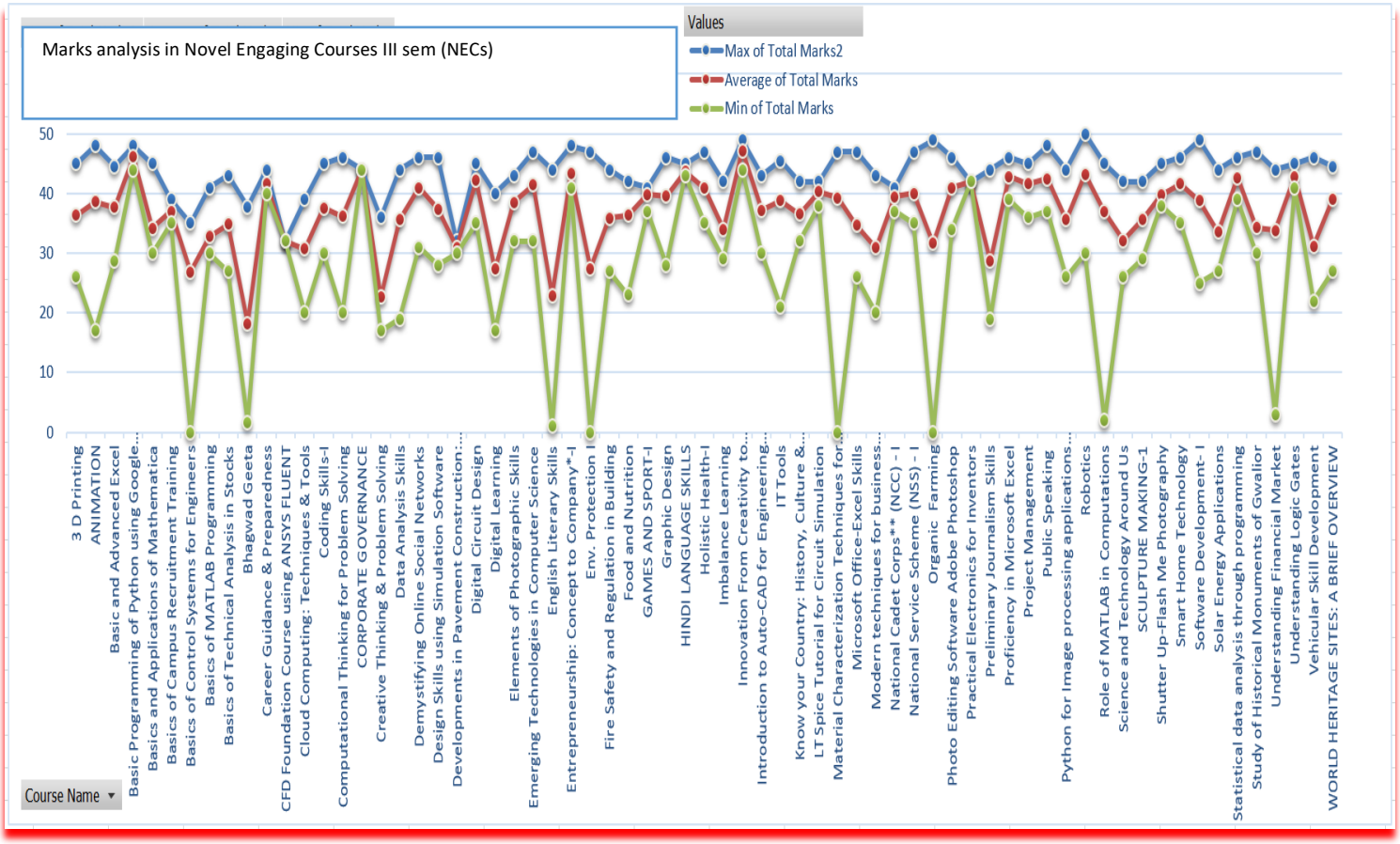

Marks analysis in Novel Engaging Courses III sem (NECs)
Values
Max of Total Marks2
Average of Total Marks
Min of Total Marks
50
40
30
20
10
0
Course Name
3 D Printing
ANIMATION
Basic and Advanced Excel
Basic Programming of Python using Google...
Basics and Applications of Mathematica
Basics of Campus Recruitment Training
Basics of Control Systems for Engineers
Basics of MATLAB Programming
Basics of Technical Analysis in Stocks
Bhagwad Geeta
Career Guidance & Preparedness
CFD Foundation Course using ANSYS FLUENT
Cloud Computing: Techniques & Tools
Coding Skills-I
Computational Thinking for Problem Solving
CORPORATE GOVERNANCE
Creative Thinking & Problem Solving
Data Analysis Skills
Demystifying Online Social Networks
Design Skills using Simulation Software
Developments in Pavement Construction:...
Digital Circuit Design
Digital Learning
Elements of Photographic Skills
Emerging Technologies in Computer Science
English Literary Skills
Entrepreneurship: Concept to Company*-I
Env. Protection I
Fire Safety and Regulation in Building
Food and Nutrition
GAMES AND SPORT-I
Graphic Design
HINDI LANGUAGE SKILLS
Holistic Health-I
Imbalance Learning
Innovation From Creativity to...
Introduction to Auto-CAD for Engineering...
IT Tools
Know your Country: History, Culture &...
LT Spice Tutorial for Circuit Simulation
Material Characterization Techniques for...
Microsoft Office-Excel Skills
Modern techniques for business...
National Cadet Corps** (NCC) - I
National Service Scheme (NSS) - I
Organic Farming
Photo Editing Software Adobe Photoshop
Practical Electronics for Inventors
Preliminary Journalism Skills
Proficiency in Microsoft Excel
Project Management
Public Speaking
Python for Image processing applications...
Robotics
Role of MATLAB in Computations
Science and Technology Around Us
SCULPTURE MAKING-1
Shutter Up-Flash Me Photography
Smart Home Technology
Software Development- I
Solar Energy Applications
Statistical data analysis through programming
Study of Historical Monuments of Gwalior
Understanding Financial Market
Understanding Logic Gates
Vehicular Skill Development
WORLD HERITAGE SITES: A BRIEF OVERVIEW

V Semester students

Row Labels/Courses	Maximum Marks	Average Marks	Minimum of Marks
3 D Printing	45	38.063	28
ANIMATION	43	32.5	17
Basic and Advanced Excel	47	40.647	32
Basic Programming of Python using Google Colab	48	45.533	42
Basics and Applications of Mathematica	45	40.889	37
Basics of Campus Recruitment Training	42	36.727	26
Basics of Control Systems for Engineers	44	36.4	30
Basics of MATLAB Programming	43	35.385	30
Basics of Technical Analysis in Stocks	43	36.8	33
Bhagwad Geeta	32	21.24	1.666667
Career Guidance & Preparedness	44	40.419	29
CFD Foundation Course using ANSYS FLUENT	36	34.1	33
Cloud Computing: Techniques & Tools	39	30.333	19
Coding Skills III	46	41.471	30.5
Coding Skills-I	36	34	32
Computational Thinking for Problem Solving	43	38.158	35
CORPORATE GOVERNANCE	46	44.857	44
Creative Thinking & Problem Solving	38	21.707	16
Data Analysis Skills	44	29.176	19
Demystifying Online Social Networks	46	41.929	38
Design Skills using Simulation Software	38	38	38
Developments in Pavement Construction: Past to Future	34	30.9	28
Digital Circuit Design	42	41	40
Digital Learning	40	29.833	19
Elements of Photographic Skills	44	39.5	35
Emerging Technologies in Computer Science	47	42.167	35
English Literary Skills	38	22.25	16
Env Protection I	43	24.967	0
Fire Safety and Regulation in Building	41	33.286	27
Food and Nutrition	46	32.176	23
GAMES AND SPORT-I	41	39.357	38
GAMES AND SPORT-III	42	39.7	38

Graphic Design	48	40.714	31
HINDI LANGUAGE SKILLS	48	42.571	40
Holistic Health-I	46	43	39
Imbalance Learning	41	32	28
Introduction to Auto-CAD for Engineering Applications	43	38.636	35
IT Tools	44.5	37.967	30.5
Know your Country: History, Culture & Traditions	49	41.122	32
Row Labels/Courses	**Maximum Marks**	**Average Marks**	**Minimum of Marks**
LT Spice Tutorial for Circuit Simulation	44	42.167	39
Microsoft Office-Excel Skills	42	32.889	27
Modern techniques for business correspondence	40	28.667	20
National Cadet Corps** (NCC) III	41	40.083	38
National Service Scheme (NSS) - III	46	41.222	36
Organic Farming	47	20.125	0
Photo Editing Software Adobe Photoshop	44	40.667	29
Practical Electronics for Inventors	46	40.6	38
Preliminary Journalism Skills	41	28.25	23
Proficiency in Microsoft Excel	47	41.414	38
Project Management	45	39.275	31
Public Speaking Course	48	43.25	36
Python for Image processing applications using OpenCV	43	33.7	28
Robotics	50	43.25	39
Role of MATLAB in Computations	41	31.5	0
Science and Technology Around Us	47	41	31
SCULTURE MAKING -1	44	43	40
Shutter Up-Flash Me Photography	41	38.455	35
Smart home Technology	45	37	30
Software Development Club-III	48	41.389	36
Solar Energy Application	45	32.4	27
Statistical data analysis through programming	48	42.867	38
Study of Historical of monuments of Gwalior	44	39.9	26
Understanding Financial Market	46	31.476	0
Understanding Logic Gates	47	43.217	41
Vehicular Skill Development	47	37.667	26
WORLD HERITAGE SITES: A BRIEF OVERVIEW	44.5	40.311	27
Grand Total	**50**	**36.721**	**0**

III Semester students

Row Labels	Maximum Marks	Average Marks	Minimum of Marks
3 D Printing	45	36.382	26
ANIMATION	48	38.576	17
Basic and Advanced Excel	44.5	37.714	28.75
Basic Programming of Python using Google Colab	48	46.171	44
Basics and Applications of Mathematica	45	34.2	30
Basics of Campus Recruitment Training	39	37	35
Basics of Control Systems for Engineers	35	26.857	0
Row Labels/Courses	**Maximum Marks**	**Average Marks**	**Minimum of Marks**
Basics of MATLAB Programming	41	32.75	30
Basics of Technical Analysis in Stocks	43	34.867	27
Bhagwad Geeta	37.8	18.184	1.6667
Career Guidance & Preparedness	44	41.714	40
CFD Foundation Course using ANSYS FLUENT	32	32	32
Cloud Computing: Techniques & Tools	39	30.727	20
Coding Skills-I	45	37.542	30
Computational Thinking for Problem Solving	46	36.212	20
CORPORATE GOVERNANCE	44	44	44
Creative Thinking & Problem Solving	36	22.6	17
Data Analysis Skills	44	35.633	19
Demystifying Online Social Networks	46	40.929	31
Design Skills using Simulation Software	46	37.4	28
Developments in Pavement Construction: Past to Future	32	31	30
Digital Circuit Design	45	42.154	35
Digital Learning	40	27.353	17
Elements of Photographic Skills	43	38.533	32
Emerging Technologies in Computer Science	47	41.395	32
English Literary Skills	44	22.9	1
Entrepreneurship: Concept to Company*-I	48	43.31	41
Environmental Protection I	47	27.4	0
Fire Safety and Regulation in Building	44	35.9	27
Food and Nutrition	42	36.333	23

GAMES AND SPORT-I	41	39.806	37
Graphic Design	46	39.517	28
HINDI LANGUAGE SKILLS	45	43.667	43
Holistic Health-I	47	40.833	35
Imbalance Learning	42	34	29
Innovation From Creativity to Entrepreneurship-I	49	47.143	44
Introduction to Auto-CAD for Engineering Applications	43	37.179	30
IT Tools	45.5	38.779	21
Know your Country: History, Culture & Traditions	42	36.556	32
LT Spice Tutorial for Circuit Simulation	42	40.333	38
Material Characterization Techniques for Engineering Applications	47	39.273	0
Microsoft Office-Excel Skills	47	34.652	26
Modern techniques for business correspondence	43	30.889	20
National Cadet Corps** (NCC) - I	41	39.46	37
National Service Scheme (NSS) - I	47	39.98	35
Organic Farming	49	31.667	0
Photo Editing Software Adobe Photoshop	46	41	34
Practical Electronics for Inventors	42	42	42
Preliminary Journalism Skills	44	28.667	19
Proficiency in Microsoft Excel	46	42.85	39
Project Management	45	41.6	36
Row Labels/Courses	**Maximum Marks**	**Average Marks**	**Minimum of Marks**
Public Speaking	48	42.447	37
Python for Image processing applications using Open CV	44	35.6	26
Robotics	50	43.217	30
Role of MATLAB in Computations	45	36.96	2
Science and Technology Around Us	42	32.143	26
SCULPTURE MAKING-1	42	35.6	29
Shutter Up-Flash Me Photography	45	39.765	38
Smart Home Technology	46	41.636	35
Software Development- I	49	38.8	25
Solar Energy Applications	44	33.5	27
Statistical data analysis through programming	46	42.647	39
Study of Historical Monuments of Gwalior	47	34.25	30
Understanding Financial Market	44	33.862	3

Understanding Logic Gates	45	42.875	41
Vehicular Skill Development	46	31.167	22
WORLD HERITAGE SITES: A BRIEF OVERVIEW	44.5	38.975	27
Grand Total	**50**	**38.033**	**0**

(Dr. R. Kansal)
DSW

(Dr. Manjaree Pandit)
Dean Academics

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

REPORT

OF

NOVEL ENGAGINE COURSE

BY

I Q A C

Internal Quality Assurance Cell

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

Novel Engaging Course Registration Report

A website/ web portal for Novel Engaging Course registration for IV Semester students is developed by the **Software Development Club** under the guidance of **Shri Atul Chauhan, Programmer.**

(http://nec.mitsweb.in/)

- The Website is hosted in mitsweb.in.
- An email is sent with credentials to students for registration on 13th January 2022 at 11:pm.
- After that, a mock registration was conducted on 14th Jan from 9 AM to 3 PM and then an email reminder was sent for the registration.
- Live registration started on 14th Jan at 5 PM
- The re-registration was conducted from 18th Jan to 19th Jan till 4 PM
- Total registrations done 1246
- Pending registrations 09
- **Project front end: PHP, javascript, HTML5**
- **Project Back end: MySQL**

Web portal features: System ensured that all the students are able to login smoothly. "Forget password" option was also available on this system

The registration was done under the following conditions.

- Course which was offered in the UG III semester, should not be selected again.
- Courses of more than 1 credit (i.e. any course of 2 or more credits) can only be selected by those students who had opted for Part-I of that course in the III semester.
- Only one entry was allowed per student.
- Registration in each course was on a First Come First Serve basis (FCFS).
- There were limited seats in each course.

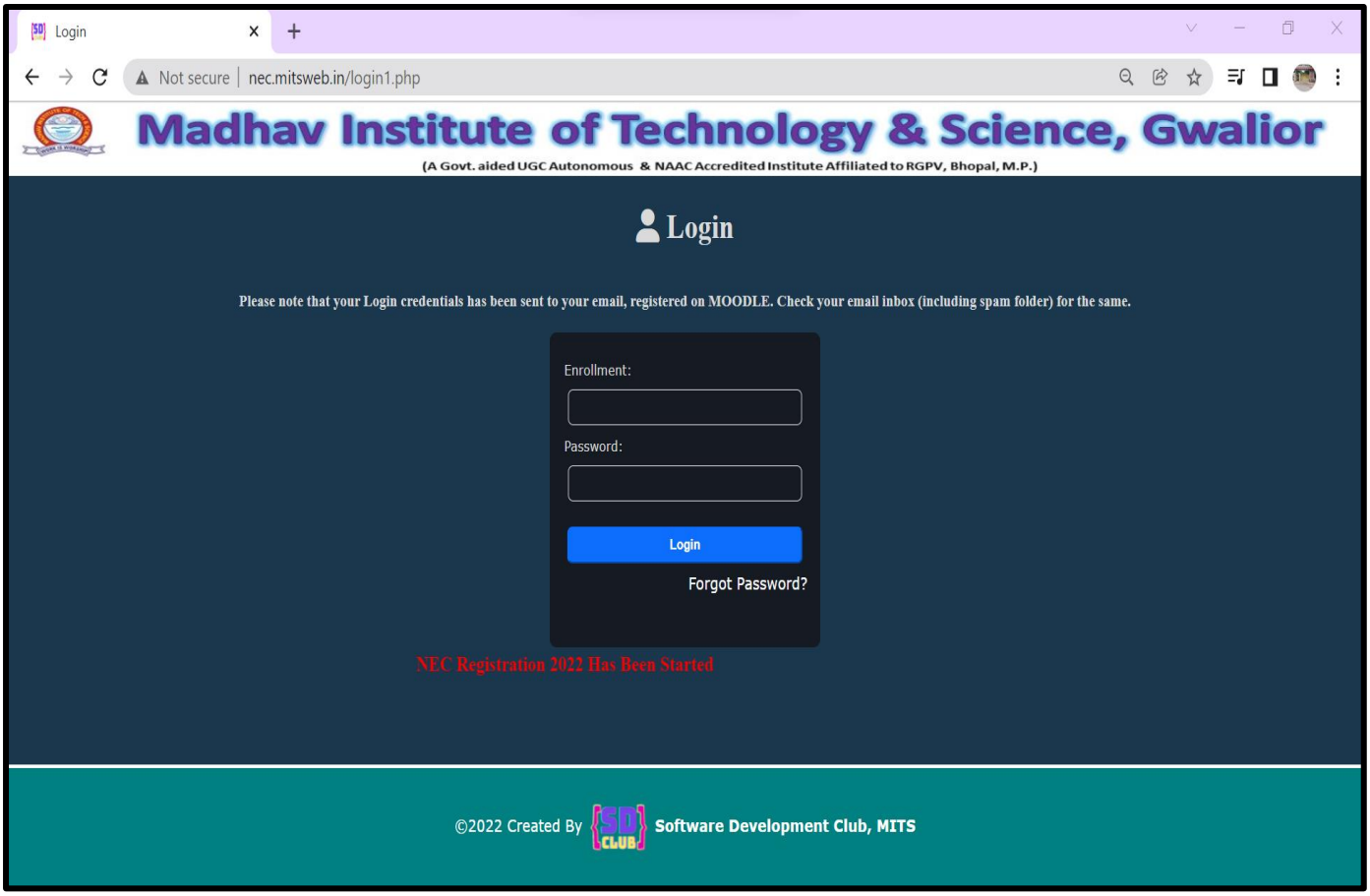
Registration	Date and time	Courses open for registration	Total Registrations
Mock Registration	14 Jan 9 am to 3 pm	87	333
Live Registration	14 Jan 2022 at 5 Pm to 17 Jan 2022	87	1223
Re-Registration	18 Jan to 19 Jan 4pm	44	1233

The registration was done under the following conditions.

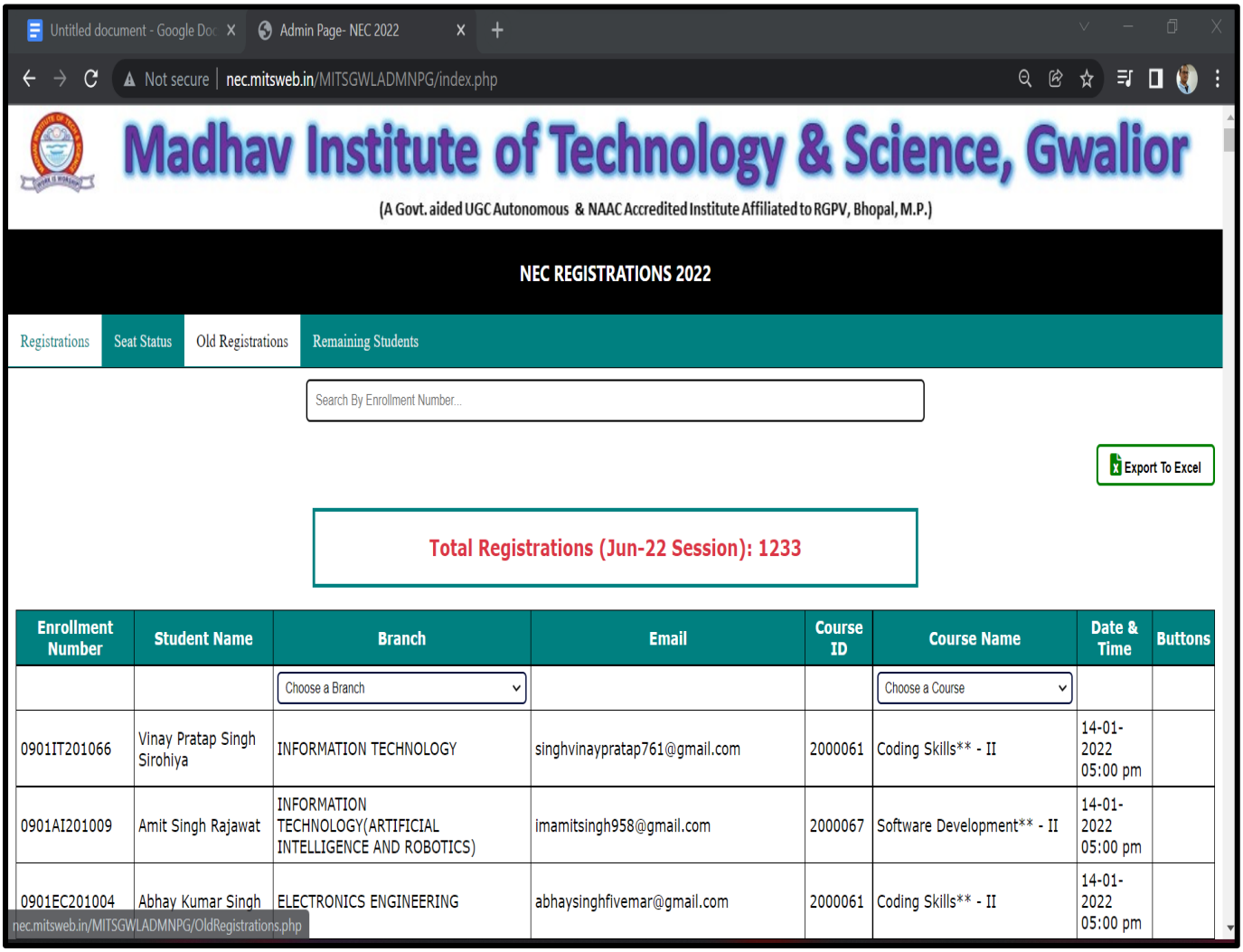
i. Course which was offered in the UG III semester, should not be selected again.
ii. Courses of more than 1 credit (i.e. any course of 2 or more credits) can only be selected by those students who had opted for Part-I of that course in the III semester.
iii. Only one entry was allowed per student.
iv. Registration in each course was on a First Come First Serve basis (FCFS).
v. There were limited seats in each course.

Development team: Anurag Dubey, Amit Singh Rajawat and team

Novel Engaging Course registration login Page for IV sem students

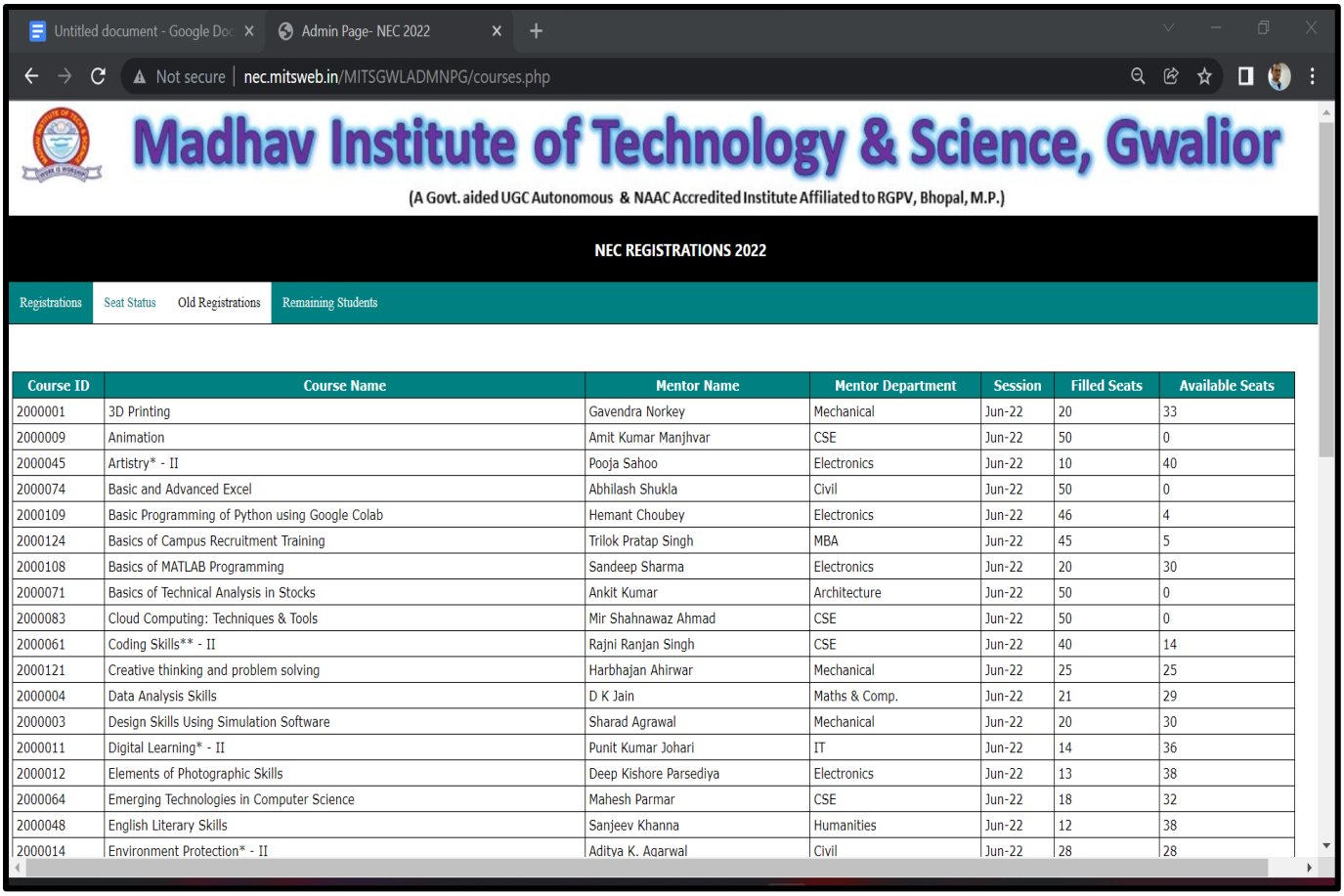


Registration Page



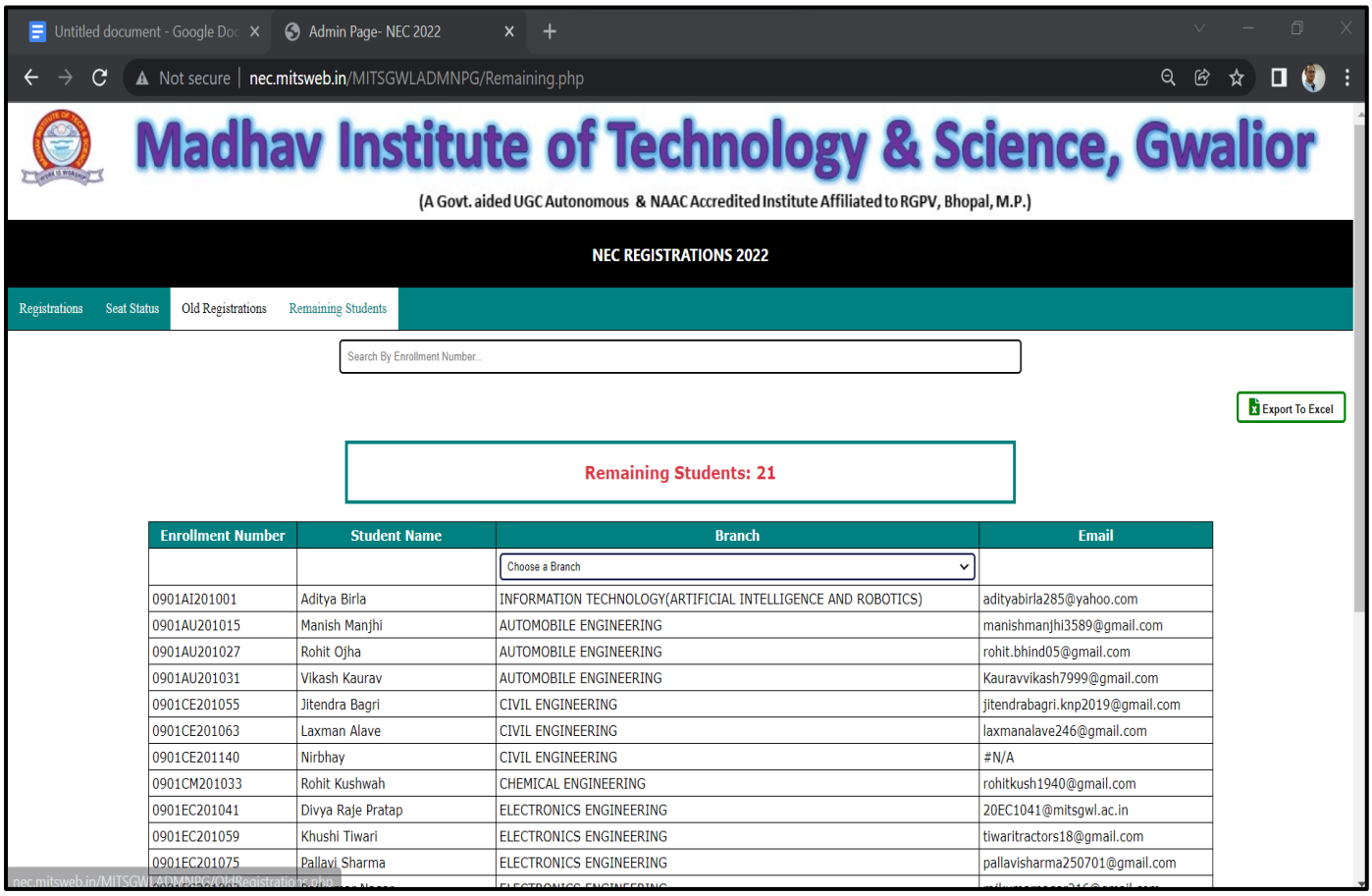
Enrollment Number	Student Name	Branch	Email	Course ID	Course Name	Date & Time	Buttons
		Choose a Branch			Choose a Course		
0901IT201066	Vinay Pratap Singh Sirohiya	INFORMATION TECHNOLOGY	singhvinaypratap761@gmail.com	2000061	Coding Skills** - II	14-01-2022 05:00 pm	
0901AI201009	Amit Singh Rajawat	INFORMATION TECHNOLOGY(ARTIFICIAL INTELLIGENCE AND ROBOTICS)	imamitsingh958@gmail.com	2000067	Software Development** - II	14-01-2022 05:00 pm	
0901EC201004	Abhay Kumar Singh	ELECTRONICS ENGINEERING	abhaysinghfivemar@gmail.com	2000061	Coding Skills** - II	14-01-2022 05:00 pm	

Seat Status Report



Course ID	Course Name	Mentor Name	Mentor Department	Session	Filled Seats	Available Seats
2000001	3D Printing	Gavendra Norkey	Mechanical	Jun-22	20	33
2000009	Animation	Amit Kumar Manjhvar	CSE	Jun-22	50	0
2000045	Artistry* - II	Pooja Sahoo	Electronics	Jun-22	10	40
2000074	Basic and Advanced Excel	Abhilash Shukla	Civil	Jun-22	50	0
2000109	Basic Programming of Python using Google Colab	Hemant Choubey	Electronics	Jun-22	46	4
2000124	Basics of Campus Recruitment Training	Trilok Pratap Singh	MBA	Jun-22	45	5
2000108	Basics of MATLAB Programming	Sandeep Sharma	Electronics	Jun-22	20	30
2000071	Basics of Technical Analysis in Stocks	Ankit Kumar	Architecture	Jun-22	50	0
2000083	Cloud Computing: Techniques & Tools	Mir Shahnawaz Ahmad	CSE	Jun-22	50	0
2000061	Coding Skills** - II	Rajni Ranjan Singh	CSE	Jun-22	40	14
2000121	Creative thinking and problem solving	Harbhajan Ahirwar	Mechanical	Jun-22	25	25
2000004	Data Analysis Skills	D K Jain	Maths & Comp.	Jun-22	21	29
2000003	Design Skills Using Simulation Software	Sharad Agrawal	Mechanical	Jun-22	20	30
2000011	Digital Learning* - II	Punit Kumar Johari	IT	Jun-22	14	36
2000012	Elements of Photographic Skills	Deep Kishore Parsediya	Electronics	Jun-22	13	38
2000064	Emerging Technologies in Computer Science	Mahesh Parmar	CSE	Jun-22	18	32
2000048	English Literary Skills	Sanjeev Khanna	Humanities	Jun-22	12	38
2000014	Environment Protection* - II	Aditya K. Agarwal	Civil	Jun-22	28	28

Remaining Students Report

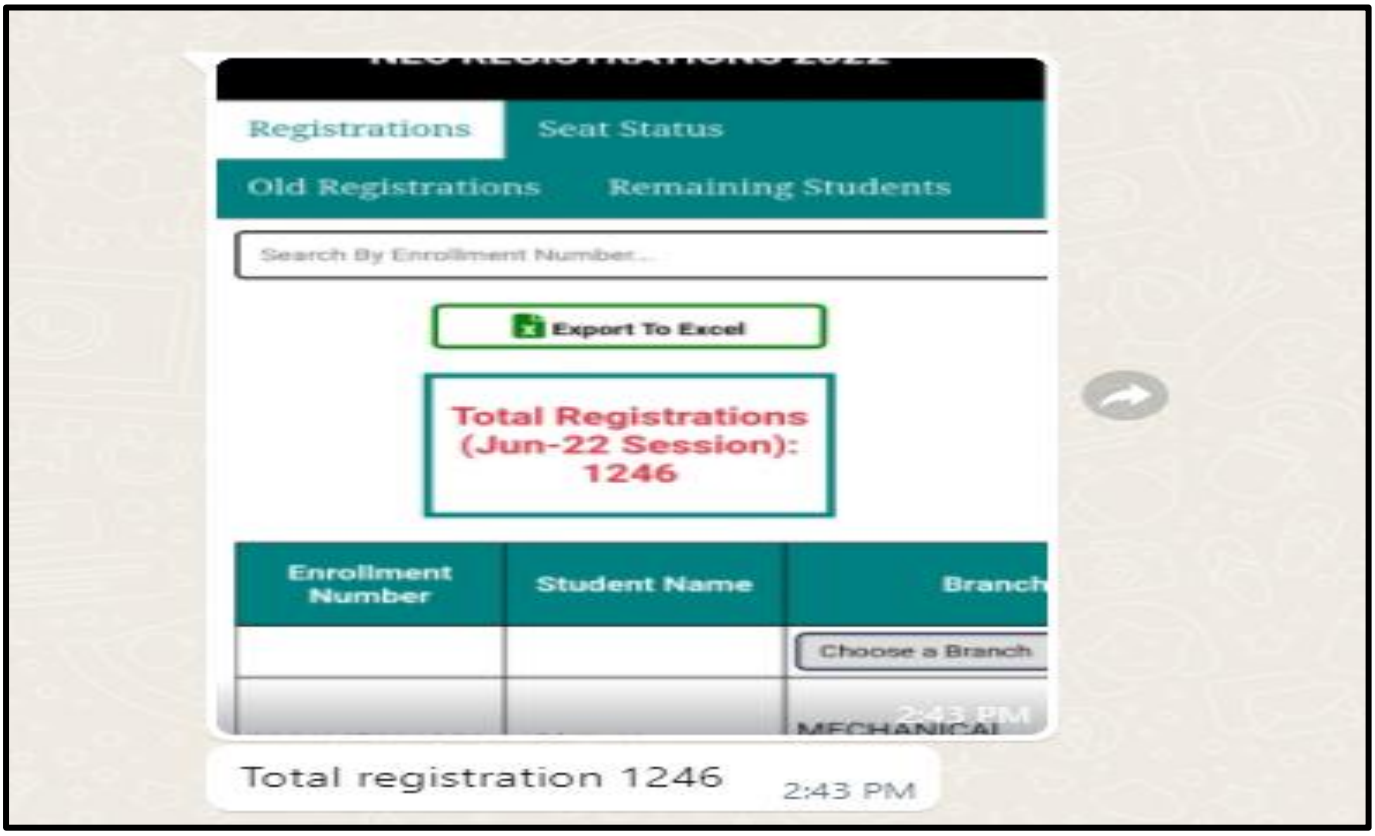


Enrollment Number	Student Name	Branch	Email
		Choose a Branch	
0901AI201001	Aditya Birla	INFORMATION TECHNOLOGY(ARTIFICIAL INTELLIGENCE AND ROBOTICS)	adityabirla285@yahoo.com
0901AU201015	Manish Manjhi	AUTOMOBILE ENGINEERING	manishmanjhi3589@gmail.com
0901AU201027	Rohit Ojha	AUTOMOBILE ENGINEERING	rohit.bhind05@gmail.com
0901AU201031	Vikash Kaurav	AUTOMOBILE ENGINEERING	Kauravvikash7999@gmail.com
0901CE201055	Jitendra Bagri	CIVIL ENGINEERING	jitendrabagri.knp2019@gmail.com
0901CE201063	Laxman Alave	CIVIL ENGINEERING	laxmanalave246@gmail.com
0901CE201140	Nirbhay	CIVIL ENGINEERING	#N/A
0901CM201033	Rohit Kushwah	CHEMICAL ENGINEERING	rohitkush1940@gmail.com
0901EC201041	Divya Raje Pratap	ELECTRONICS ENGINEERING	20EC1041@mitsgwl.ac.in
0901EC201059	Khushi Tiwari	ELECTRONICS ENGINEERING	tiwaritractors18@gmail.com
0901EC201075	Pallavi Sharma	ELECTRONICS ENGINEERING	pallavisharma250701@gmail.com

Remaining student report on 11/03/2022

Remaining Students: 9

Enrollment Number	Student Name	Branch	Email
		Choose a Br	
0901AU201015	Manish Manjhi	AUTOMOBILE ENGINEERING	manishmanjhi3589@gmail.com
0901AU201027	Rohit Ojha	AUTOMOBILE ENGINEERING	rohit.bhind05@gmail.com
0901AU201031	Vikash Kaurav	AUTOMOBILE ENGINEERING	Kauravvikash7999@gmail.com
0901CE201140	Nirbhay	CIVIL ENGINEERING	#N/A
0901EC201041	Divya Raje Pratap	ELECTRONICS ENGINEERING	20EC1041@mitsgwl.ac.in
0901EE201016	Ajay Singh Gurjar	ELECTRICAL ENGINEERING	ajaygurjar2217@gmail.com
0901EO201018	Avinash	Internet of Things	avinash1234sharma1@gmail.com
0901IO201023	Ayush Agrawal	Internet of Things (IOT)	ayumhr2002@gmail.com
0901ME201003	Aaryan Patidar	MECHANICAL ENGINEERING	aaryanpatidar1211@gmail.com



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Date 13.01.2022

NOTICE

Attention: All UG 4th Semester Students (Jan.-June 2022 Session).

Ref.: Novel Engaging Course Registration starts on 14th Jan. 2022 at 5 pm.It is informed to all UG 4th semester (Jan.-June 2022 Session) students that registration process for Novel¥Engaging Course which is part of IVth semester scheme will start on 14th Jan. 2022 at 5 pm. Link for registration portal : http://nec.mitsweb.in will remain open till 9 pm on 17th Jan. 2022.

All students are advised to visit institute website and moodle for details.
Following instructions are to be followed for selection of the course:

1. Course which is studied in UG III semester, should not be selected again. **It is mandatory and responsibility of the student to select different course.**

2. Courses of more than 1 credit (i.e. any course of 2 or more credits) can be selected by those students **ONLY** who have studied Part-I of that course in III semester.

3. Students must be very careful during selection of Novel Engaging Course. **Only one entry is allowed per student.**

4. Registration in each course will be on First Come First Serve basis (FCFS). There are **limited seats** in each course.

5. After successful registration, **no change** is allowed.

6. Without registration, students will not be able to attend the Novel Engaging Course.

7. It is mandatory for all UG IV Sem. Students (Jan.-June 2022 session) to do the registration.

8. The course will run as per the academic calendar and will be conducted by respective course mentors.

9. Issues related to registration can be mailed at **nec@mitsgwalior.in**

List of the courses to be run in 4th semester is attached. For details of courses CLICK here. Details are also available on institute website and moodle.

(Dr. Rajeev Kansal)
Dean Student Welfare

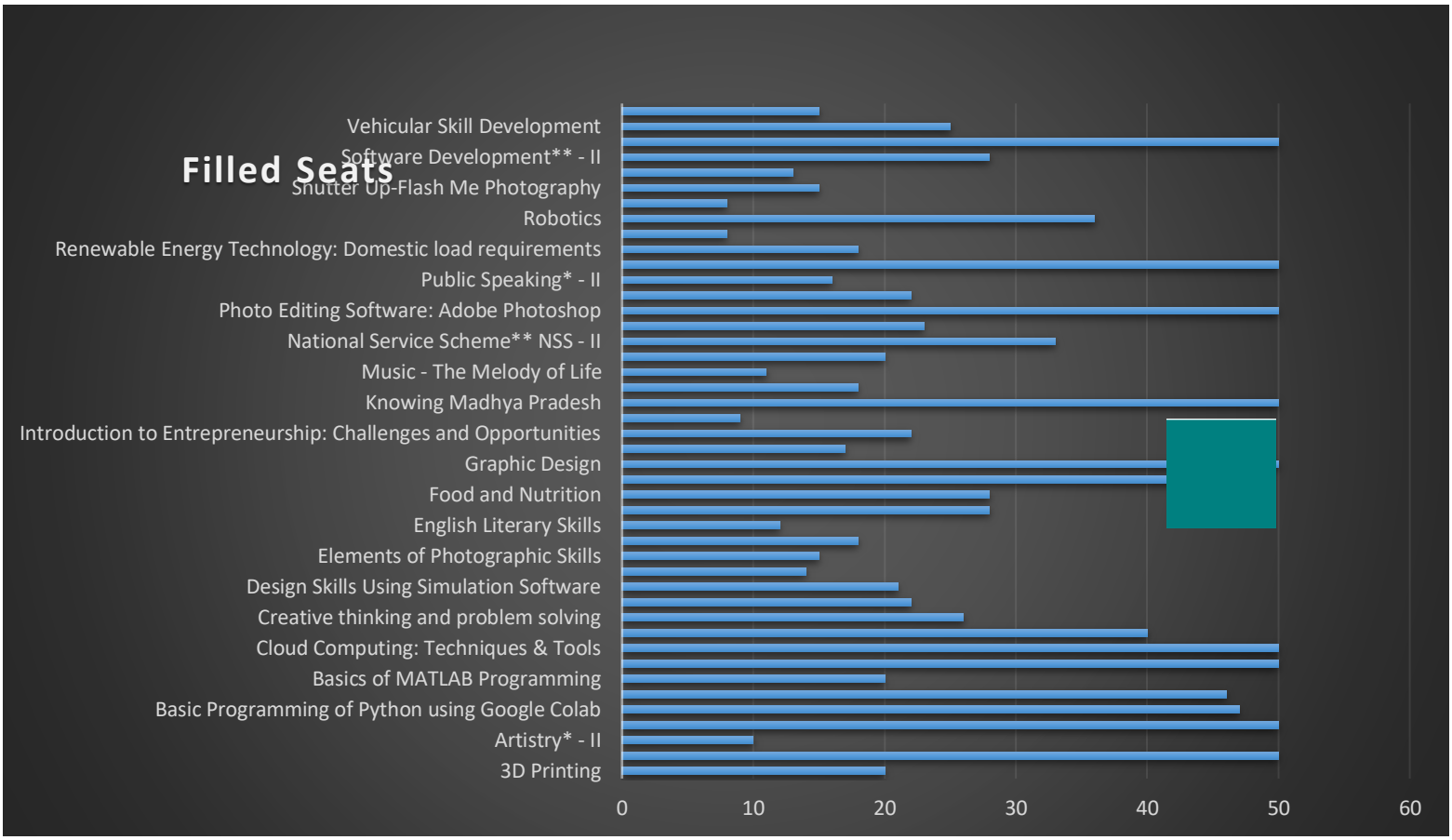
Madhav Institute of Technology & Science, Gwalior

(A Govt. aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal, M.P.)

NEC REGISTRATIONS 2022

S.No.	Course ID	Course Name	Mentor Name	Department	Session	Filled Seats	Vacant Seats
1	2000001	3D Printing	Gavendra Norkey	Mechanical	Jun-22	20	33
2	2000009	Animation	Amit Kumar Manjhvar	CSE	Jun-22	50	0
3	2000045	Artistry* - II	Pooja Sahoo	Electronics	Jun-22	10	40
4	2000074	Basic and Advanced Excel	Abhilash Shukla	Civil	Jun-22	50	0
5	2000109	Basic Programming of Python using Google Colab	Hemant Choubey	Electronics	Jun-22	47	3
6	2000124	Basics of Campus Recruitment Training	Trilok Pratap Singh	MBA	Jun-22	46	4
7	2000108	Basics of MATLAB Programming	Sandeep Sharma	Electronics	Jun-22	20	30
8	2000071	Basics of Technical Analysis in Stocks	Ankit Kumar	Architecture	Jun-22	50	0
9	2000083	Cloud Computing: Techniques & Tools	Mir Shahnawaz Ahmad	CSE	Jun-22	50	0
10	2000061	Coding Skills** - II	Rajni Ranjan Singh	CSE	Jun-22	40	14
11	2000121	Creative thinking and problem solving	Harbhajan Ahirwar	Mechanical	Jun-22	26	24
12	2000004	Data Analysis Skills	D K Jain	Maths & Comp.	Jun-22	22	28
13	2000003	Design Skills Using Simulation Software	Sharad Agrawal	Mechanical	Jun-22	21	29
14	2000011	Digital Learning* - II	Punit Kumar Johari	IT	Jun-22	14	36
15	2000012	Elements of Photographic Skills	Deep Kishore Parsediya	Electronics	Jun-22	15	36
16	2000064	Emerging Technologies in Computer Science	Mahesh Parmar	CSE	Jun-22	18	32
17	2000048	English Literary Skills	Sanjeev Khanna	Humanities	Jun-22	12	38
18	2000014	Environment Protection* - II	Aditya K. Agarwal	Civil	Jun-22	28	28
19	2000052	Food and Nutrition	Anjula Gaur	Applied Science	Jun-22	28	22
20	2000033	Games & Sports** - II	B.P.S. Bhadoria	Sports	Jun-22	49	11
21	2000072	Graphic Design	Satyam Shukla	Architecture	Jun-22	50	0
22	2000049	Hindi Language Skills	Angad Singh Ojha	Maths & Comp.	Jun-22	17	33
23	2000113	Introduction to Entrepreneurship: Challenges and Opportunities	Varun Sharma	Electronics	Jun-22	22	28
24	2000089	IT Tools	Abhishek Dixit	IT	Jun-22	9	41
25	2000086	Knowing Madhya Pradesh	Anjula Mehto	CSE	Jun-22	50	0
26	2000025	Mentoring Skills** - II	Sapna Kumari	Counselling Cell	Jun-22	18	32
27	2000112	Music - The Melody of Life	Shubhi Kansal	Electronics	Jun-22	11	39
28	2000021	National Cadet Corps** NCC - II	B.P.S. Bhadoria	NCC	Jun-22	20	30
29	2000017	National Service Scheme** NSS - II	Manish K. Sagar	NSS	Jun-22	33	27
30	2000057	Personality Development* - II	Anjali S Patil	Architecture	Jun-22	23	27
31	2000070	Photo Editing Software: Adobe Photoshop	Versha Sinha	Architecture	Jun-22	50	0
32	2000037	Physical Fitness* -II	Rajendra Prasad Kori	Mechanical	Jun-22	22	33
33	2000059	Public Speaking* - II	Manish Dixit & Ankita Sengar	CSE & Arch.	Jun-22	16	34
34	2000096	Python for Image processing applications using Open CV	Pawan Dubey	IT (AIR)	Jun-22	50	0
35	2000106	Renewable Energy Technology: Domestic load requirements	Rahul Sagwal	Electrical	Jun-22	18	32
36	2000111	Research Paper Writing	Dinesh Rano	Electronics	Jun-22	8	42

37	2000007	Robotics	Karuna Markam	Electronics	Jun-22	36	17
38	2000081	Science and Technology Around Us	Rakesh Kumar Dubey	Chemical	Jun-22	8	42
39	2000080	Shutter Up-Flash Me Photography	Shourabh S. Raghuwanshi	Chemical	Jun-22	15	35
40	2000087	Smart World Technology	Kalka Dubey	CSE	Jun-22	13	37
41	2000067	Software Development** - II	Atul Chauhan	Data Resource	Jun-22	28	25
42	2000090	Understanding Financial Markets	Saumil Maheshwari	IT	Jun-22	50	0
43	2000008	Vehicular Skill Development	Vedansh Chaturvedi	Mechanical	Jun-22	25	25
44	2000073	World Heritage Sites: A Brief Overview	Richa Mishra	Architecture	Jun-22	15	35
					Total filled	**1223**	



(Dr. R. Kansal)
DSW

(Dr. Manjaree Pandit)
Dean Academics

IADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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REPORT

OF

NOVEL ENGAGING COURSE

I Q A C

Internal Quality Assurance Cell

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

Report of Novel Engaging Courses for year 2021-2022 (Sept. – Dec. 2021 sem.)

In accordance with NEP-2020 guidelines, Novel Engaging Courses were introduced in scheme for UG III sem. students in 2021-22 session. Total 38 courses were offered to students on First come first serve basis. Based on the response of students, 33 courses were actually run as per the details given in table below:

Name of Course/Code	No. of Registered Students
3D Printing (2000001)	50
Amateur Radio Communication (2000002)	14
Animation (2000009)	50
Artistry (2000044)	17
Career Guidance & Preparedness (2000053)	23
Coding Skills (2000060)	51
Data Analysis Skills (2000004)	50
Design Skills Using Simulation Software (2000003)	50
Digital Learning (2000010)	50
Elements of Photographic Skills (2000012)	51
Emerging Technologies in Computer Science (2000064)	50
English Literary Skills (2000048)	33
Environment Protection (2000013)	51
Food and Nutrition (2000052)	25
Games & Sports (2000032)	50
Hindi Language Skills (2000049)	6
Holistic Health (2000042)	9
Mentoring Skills (2000028)	24
National Cadet Corps (2000020)	28
National Service Scheme (2000016)	59
Organic Farming (2000024)	22
Performing Arts – Dance (2000030)	9
Performing Arts - Music (2000031)	29
Personality Development (2000056)	50
Physical Fitness (2000036)	50
Preliminary Journalism Skills (2000050)	14
Public Speaking (2000058)	50
Pythons of Programming (2000065)	50
Robotics (2000007)	50
Sculpture Making (2000046)	11
Short Story Writing (2000051)	10
Software Development (2000066)	52
Vehicular Skill Development (2000008)	40
Total No. of Registered Students	**1178**

Sessions are scheduled once a week, for a total duration of 30 hours during the semester. It includes online class, seminar, activity, quiz, assignment, etc. depending upon the course. Video link of sessions are shared by course mentors in Google drive.

Student feedback

Student feedback is taken at the end of teaching on 17th Dec. 2021. Students were asked to rate following questions on a 5-point scale:

Q.1 Course Mentor clearly defines the goals at the beginning of the Novel Engaging Course

Q.2 The course sequence was well planned

Q.3 Behavior of course mentor is ethical and shows no gender bias

Q.4 The course exposed to you about new knowledge and practices

Q.5 The quality of lectures/PPT available through MOODLE, YouTube and other online platforms was good

Q.6 The level of the Novel Engaging course is

Q.7 Rate the Communication skills of the faculty

Q.8 This course help me to grow professionally

Q.9 I would recommend this Course to other students in future

Q.10 Overall rating of the course

469 students have given feedback for 27 courses. Summary of student feedback is given in following table:
Average score in all courses is more than 4, except one course.

S. No.	Name of the Course	Feedback Questions Score on 5 Point Scale										Avg	No. of students Submitted Feedback
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10		
1	3D Printing (2000001)	4.5	4	4.5	4	4	4.2	4.3	4	4.2	4.1	**4.18**	**2**
2	Amateur Radio Communication (2000002)	4.7	4.6	5	4.6	4.2	3.8	4.8	4.5	4.7	4.6	**4.55**	**8**
3	Animation (2000009)	3.8	3.6	4.5	3.7	3.9	3.4	4	3.5	3.6	3.6	**3.76**	**24**
4	Artistry (2000044)	4.6	4.1	5	4.7	4.6	4.1	4.6	4.6	4.1	4.4	**4.48**	**7**
5	Career Guidance & Preparedness (2000053)	4	4.5	4.5	4.5	4	4	3.5	4.5	4.5	4	**4.2**	**2**
6	Data Analysis Skills (2000004)	4.5	4.4	4.6	4.5	4.4	4.2	4.4	4.3	4.3	4.4	**4.4**	**20**
7	Digital Learning (2000010)	4.5	4.5	4.7	4.5	4.4	4.2	4.6	4.2	4.4	4.5	**4.45**	**12**
8	Elements of Photographic Skills (2000012)	4.4	4.3	4.6	4.5	4.1	4	4.3	4.3	4.3	4.3	**4.31**	**33**
9	Emerging Technologies in Computer Science (2000064)	4.4	4.4	4.7	4.3	4.2	4	4.3	4.2	4.2	4.2	**4.29**	**20**
10	English Literary Skills (2000048)	4.8	4.8	5	4.8	4.8	4.4	4.9	4.8	4.9	4.7	**4.79**	**16**
11	Environmen Protection(2000013)	4.7	4.6	4.7	4.6	4.4	4.2	4.5	4.9	4.5	4.5	**4.56**	**27**
12	Food and Nutrition (2000052)	4.8	4.6	5	4.8	4.8	4.8	4.8	4.6	4.8	4.5	**4.75**	**6**
13	Games & Sports (2000032)	4.7	4.4	4.8	4.4	4.3	4.2	4.6	4.5	4.6	4.4	**4.49**	**36**
14	Hindi Language Skills (2000049)	5	5	5	5	5	5	5	5	5	5	**5**	**2**
15	Holistic Health (2000042)	4.9	4.7	4.8	4.8	4.5	4.1	4.5	4.6	4.6	4.6	**4.61**	**9**
16	Mentoring Skills (2000028)	4.7	4.6	4.8	4.8	4.8	4.4	4.7	4.6	4.6	4.6	**4.66**	**25**
17	National Cadet Corps (2000020)	4.8	4.5	4.8	4.7	4	4.3	4.7	4.7	4.8	4.8	**4.61**	**19**
18	National Service Scheme (2000016)	4.5	4.3	4.7	4.4	4.3	4.1	4.4	4.3	4.4	4.3	**4.37**	**37**
19	Performing Arts Dance 2000030)	5	5	5	5	5	4	5	5	5	5	**4.9**	**4**
20	Performing Arts - Music (2000031)	4.2	4	4.7	4.3	4	4	4.4	4	4.1	4.1	**4.18**	**21**
21	Personality Development (2000056)	4.3	3.9	4.8	4.1	3.8	3.9	4.6	4	3.9	4	**4.13**	**13**
22	Preliminary Journalism Skills (2000050)	5	4.8	5	4.8	4.8	4.5	4.9	4.7	4.7	4.7	**4.79**	**12**
23	Public Speaking (2000058)	4.7	4.3	4.8	4.7	4.5	4.3	4.6	4.6	4.7	4.7	**4.59**	**28**
24	Pythons of Programming (2000065)	4.4	4	4.6	4.2	4	3.9	4.4	4	4.3	4.1	**4.19**	**18**
25	Robotics (2000007)	4.3	4.2	4.6	4.2	4.6	3.7	4.4	4	4	4	**4.2**	**22**
26	Software Development (2000066)	4.4	4.4	4.7	4.2	4.2	3.9	4.5	4	4.2	4.4	**4.29**	**19**
27	Vehicular Skill Development (2000008)	4.1	3.9	4.9	4.1	3.7	3.9	4.3	4	4	4.1	**4.1**	**27**

469 students have given feedback for 27 courses. Summary of student feedback is given in following table:

Average score in all courses is more than 4, except one course.

<u>Suggestions / Experiences shared by NEC Mentors</u>

1. Students are more interested in offline mode classes.
2. Difficulty in conducting online performance sessions (wherever applicable), due to constraint of internet facilities at student's end (performing requires continuous and consistent connectivity).

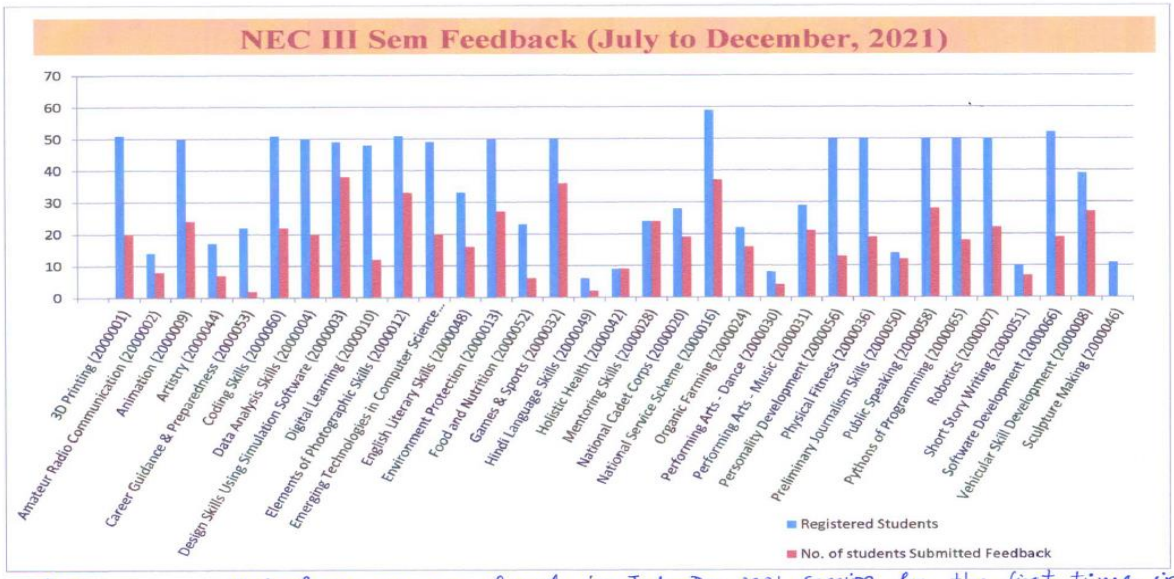
3. Inaccessibility of students to active learning due to lack of trained faculty in some cases. External mentoring is required.
4. Students have casual approach - not appearing in quiz assignments and seminars, attendance is not good and regular.
5. As this is a cross branch course, scheduling of sessions is sometimes difficult. Students complain that on weekends they give quiz and assignments and extra classes are there. On weekdays in evening remedial classes are there. It led to lesser participation of the students. Needs scheduling of class in time table – once in a week.
6. There should be a group of faculty mentors to guide the students, instead of a single faculty coordinator in a course.

Feedback Summary of NEC III Sem. (July to December, 2021) NEC offered first Time.

S. No.	Name of the Course	Mentor Name	Registered Students	No. of students Submitted Feedback	Feedback Questions Score on 5 Point Scale										Average out of 5
					Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	
1	3D Printing (2000001)	Dr Gavendra Norkey	51	20	4.5	4.4	4.5	4.5	4	4.2	4.3	4	4.2	4.2	4.28
2	Amateur Radio Communication (2000002)	Dr. Vandana Vikas Thakare	14	8	4.7	4.6	5	4.6	4.2	3.8	4.8	4.5	4.7	4.6	4.55
3	Animation (2000009)	Prof. Amit Kumar Manhjwar	50	24	3.8	3.6	4.5	3.7	3.9	3.4	4	3.5	3.6	3.6	3.76
4	Artistry (2000044)	Prof. Pooja Sahoo	17	7	4.6	4.1	5	4.7	4.6	4.1	4.6	4.6	4.1	4.4	4.48
5	Career Guidance & Preparedness (2000053)	Dr. Praveen Bansal & Swati Gupta	22	2	4	4.5	4.5	4.5	4	4	3.5	4.5	4.5	4	4.20
6	Coding Skills (2000060)	Dr. R.R. Singh	51	22	4.7	4.4	4.8	4.7	4.5	4.2	4.3	4.7	4.7	4.5	4.55
7	Data Analysis Skills (2000004)	Dr. D.K. Jain	50	20	4.5	4.4	4.6	4.5	4.4	4.2	4.4	4.3	4.3	4.4	4.40
8	Design Skills Using Simulation Software (2000003)	Prof. Sharad Agrawal	49	38	4.4	3.7	4.4	4	4	3.6	4.3	3.9	3.8	3.9	4.00
9	Digital Learning (2000010)	Dr. Punit Kumar Johari	48	12	4.5	4.5	4.7	4.5	4.4	4.2	4.6	4.2	4.4	4.5	4.45
10	Elements of Photographic Skills (2000012)	Prof. Deep Kishore Parsediya	51	33	4.4	4.3	4.6	4.5	4.1	4	4.3	4.3	4.3	4.3	4.31
11	Emerging Technologies in Computer Science (2000064)	Prof. Mahesh Parmar	49	20	4.4	4.4	4.7	4.3	4.2	4	4.3	4.2	4.2	4.2	4.29
12	English Literary Skills (2000048)	Dr. Sanjeev Khanna	33	16	4.8	4.8	5	4.8	4.8	4.4	4.9	4.8	4.9	4.7	4.79
13	Environment Protection (2000013)	Prof. Aditya K Agarwal	50	27	4.7	4.6	4.7	4.6	4.4	4.2	4.5	4.9	4.5	4.5	4.56
14	Food and Nutrition (2000052)	Dr. Anjula Gaur	23	6	4.8	4.6	5	4.8	4.8	4.8	4.8	4.6	4.8	4.5	4.75
15	Games & Sports (2000032)	Dr. BPS Bhadoria	50	36	4.7	4.4	4.8	4.4	4.3	4.2	4.6	4.5	4.6	4.4	4.49
16	Hindi Language Skills (2000049)	Prof. A.S. Ojha	6	2	5	5	5	5	5	5	5	5	5	5	5.00
17	Holistic Health (2000042)	Dr. Vishal Chaudhary	9	9	4.9	4.7	4.8	4.8	4.5	4.1	4.5	4.6	4.6	4.6	4.61
18	Mentoring Skills (2000028)	Dr. Sapna Kumari	24	24	4.9	4.8	5	5	5	4.6	4.9	4.8	4.8	4.8	4.86
19	National Cadet Corps (2000020)	Dr. BPS Bhadoria	28	19	4.8	4.5	4.8	4.7	4	4.3	4.7	4.7	4.8	4.8	4.61

					Q1								Q10	Average.
20	National Service Scheme (2000016)	Dr. Manish Sagar	59	37	4.5	4.3	4.7	4.4	4.3	4.1	4.4	4.3	4.4	4.3	4.37
21	Organic Farming (2000024)	Dr. Archana Tiwari	22	16	4.6	4.5	4.9	4.6	4	4.2	4.7	4.6	4.5	4.7	4.53
22	Performing Arts - Dance (2000030)	Prof. Parul Saxena	8	4	5	5	5	5	5	4	5	5	5	5	4.90
23	Performing Arts - Music (2000031)	Dr. S.Bhattacharya	29	21	4.2	4	4.7	4.3	4	4	4.4	4	4.1	4.1	4.18
24	Personality Development (2000056)	Dr. Anjali S. Patil	50	13	4.3	3.9	4.8	4.1	3.8	3.9	4.6	4	3.9	4	4.13
25	Physical Fitness (2000036)	Dr. Rajendra Prasad Kori	50	19	4.7	4.5	4.6	4.5	4.1	4.2	4.1	4.3	4.5	4.3	4.38
26	Preliminary Journalism Skills (2000050)	Prof. Anish P. Jacob	14	12	5	4.8	5	4.8	4.8	4.5	4.9	4.7	4.7	4.7	4.79
27	Public Speaking (2000058)	Dr. Manish Dixit & Ankita Sengar	50	28	4.7	4.3	4.8	4.7	4.5	4.3	4.6	4.6	4.7	4.7	4.59
28	Pythons of Programming (2000065)	Dr. Prabhakar Sharma	50	18	4.4	4	4.6	4.2	4	3.9	4.4	4	4.3	4.1	4.19
29	Robotics (2000007)	Dr. Karuna Markam	50	22	4.3	4.2	4.6	4.2	4.6	3.7	4.4	4	4	4	4.20
30	Short Story Writing (2000051)	Dr. C.S. Malvi	10	7	4.3	4.3	4.6	4.4	4.3	4	4.6	4.6	4.4	4.7	4.42
31	Software Development (2000066)	Mr. Atul Chauhan	52	19	4.4	4.4	4.7	4.2	4.2	3.9	4.5	4	4.2	4.4	4.29
32	Vehicular Skill Development (2000008)	Prof. Vedansh Chaturvedi & Ajay Rajput	39	27	4.1	3.9	4.9	4.1	3.7	3.9	4.3	4	4	4.1	4.10
33	Sculpture Making (2000046)	Pranshi Jain	11	0	--	--	--	--	--	--	--	--	--	--	--
	Total		1169	588	588										

Q1 Course Mentor clearly defines the goals at the beginning of the Novel Engaging Course
Q2 The course sequence was well planned
Q3 Behavior of course mentor is ethical and shows no gender bias
Q4 The course exposed to you about new knowledge and practices
Q5 The quality of lectures/PPT available through MOODLE, YouTube and other online platforms was good
Q6 The Level of the Novel Engaging course is
Q7 Rate the Communication skills of the faculty
Q8 This Course help me to grow professionally
Q9 I would recommend this Course to other students in future
Q10 Overall rating of the course



(Dean Academics) 11/3/2022.

Out of 33 courses offered in July-Dec 2021 session for the first time in the NEC category 15 courses have received feedback response less than 50%.

Submitted for information

Director 11.3.22

Action taken on feedback

1. In courses where the response is less than 50%, the Dean Student welfare has sent mails to the faculty.
2. Once the students are available in off-line mode, activity based learning will be possible and student response is expected to improve

	(2000038)					
	Holistic Health* - I (2000042)	Vishal Chaudhary	Electrical Engineering	3,4	2	08
Arts & Crafts	Artistry* - I (2000044)	Pooja Sahoo	Electronics	3,4	2	14
	Sculpture Making* - I (2000046)	Pranshi Jain	Architecture	3,4	2	10
Language Skills	English Literary Skills (2000048)	Sanjeev Khanna	Humanities	3	1	29
	Hindi Language Skills (2000049)	Angad Singh Ojha	Maths & Comp.	3	1	06
	Preliminary Journalism Skills (2000050)	Anish P. Jacob	Chemical Engineering	3	1	10
	Short Story Writing (2000051)	C.S. Malvi	Mechanical Engineering	3	1	09
Home Science	Food and Nutrition (2000052)	Anjula Gaur	Applied Science	3	1	23
Soft Skills	Career Guidance & Preparedness (2000053)	Praveen Bansal and Swati Gupta	Electrical, Chem. Engg	3	1	22
	Managing Mannerism* - I (2000054)	Sapna Kumari	Student Counsellor	3,4	2	00
	Personality Development* - I (2000056)	Anjali S Patil & Shweta Singh	Architecture	3,4	2	50
	Public Speaking* - I (2000058	Manish Dixit & Shweta Singh	CSE, Architecture	3,4	2	**50**
Application Software	Coding Skills** - I (2000060)	Rajni Ranjan Singh	CSE	3,4,5,6	4	51
	Emerging Technologies in Computer Science (2000064	Mahesh Parmar	CSE	3	1	50
	Pythons of Programming (2000065)	Prabhakar Sharma	Maths & Comp.	3	1	50
	Software Development** (2000066)	Atul Chauhan	Data Resource Center	3,4,5,6	4	52
					TOTAL	**1129**

(Dr. R.Kansal)
DSW

(Dr. Manjaree Pandit)
Dean Academics