



**IADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

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

# REPORT OF

## NOVEL ENGAGING COURSE

**I Q A C**

**Internal Quality Assurance Cell**

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE**

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

Date: 27.07.2021

**Note-Sheet**

Sub: Evaluation guidelines for Novel Engaging Course UG II year (2020-2021 Admitted batch)

Flexible curriculum scheme is implemented in the institute with effect from 2020-2021 admitted batch. As per the scheme, there is provision of Novel Engaging Course (NEC) in UG II year (III & IV semesters) for which 50 marks are allotted in each semester under practical slot.

In this view, it is proposed that evaluation should be based on Attendance, Quiz /Assignments and Course specific activities/events/presentation/seminar etc. Weightage of different parameters may be kept as follows: (Except NCC & NGS)

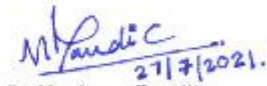
Novel Engaging Course	Credit: 01 (each semester)	Maximum Marks : 50
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S.No.	Evaluation Criterion	Weightage (%)	Marks
1.	Attendance	10%	05
2.	Quiz /Assignment	40%	20
3.	Course specific activities / events / presentation / seminar	50%	25

Submitted for approval.



**Dr.R. Kansal**  
Dean Student Welfare

  
27/7/2021.

**Dr.Manjaree Pandit**  
Dean Academics

  
DIRECTOR 27.7.21

## **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:

<b>Name of Course/Code</b>	<b>No. of Registered Students</b>
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
<b>Total No. of Registered Students</b>	<b>1178</b>

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 17<sup>th</sup> 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	<b>4.18</b>	<b>2</b>
2	Amateur Radio Communication (2000002)	4.7	4.6	5	4.6	4.2	3.8	4.8	4.5	4.7	4.6	<b>4.55</b>	<b>8</b>
3	Animation (2000009)	3.8	3.6	4.5	3.7	3.9	3.4	4	3.5	3.6	3.6	<b>3.76</b>	<b>24</b>
4	Artistry (2000044)	4.6	4.1	5	4.7	4.6	4.1	4.6	4.6	4.1	4.4	<b>4.48</b>	<b>7</b>
5	Career Guidance & Preparedness (2000053)	4	4.5	4.5	4.5	4	4	3.5	4.5	4.5	4	<b>4.2</b>	<b>2</b>
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	<b>4.4</b>	<b>20</b>
7	Digital Learning (2000010)	4.5	4.5	4.7	4.5	4.4	4.2	4.6	4.2	4.4	4.5	<b>4.45</b>	<b>12</b>
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	<b>4.31</b>	<b>33</b>
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	<b>4.29</b>	<b>20</b>
10	English Literary Skills (2000048)	4.8	4.8	5	4.8	4.8	4.4	4.9	4.8	4.9	4.7	<b>4.79</b>	<b>16</b>
11	Environment Protection(2000013)	4.7	4.6	4.7	4.6	4.4	4.2	4.5	4.9	4.5	4.5	<b>4.56</b>	<b>27</b>
12	Food and Nutrition (2000052)	4.8	4.6	5	4.8	4.8	4.8	4.8	4.6	4.8	4.5	<b>4.75</b>	<b>6</b>
13	Games & Sports (2000032)	4.7	4.4	4.8	4.4	4.3	4.2	4.6	4.5	4.6	4.4	<b>4.49</b>	<b>36</b>
14	Hindi Language Skills (2000049)	5	5	5	5	5	5	5	5	5	5	<b>5</b>	<b>2</b>
15	Holistic Health (2000042)	4.9	4.7	4.8	4.8	4.5	4.1	4.5	4.6	4.6	4.6	<b>4.61</b>	<b>9</b>
16	Mentoring Skills (2000028)	4.7	4.6	4.8	4.8	4.8	4.4	4.7	4.6	4.6	4.6	<b>4.66</b>	<b>25</b>
17	National Cadet Corps (2000020)	4.8	4.5	4.8	4.7	4	4.3	4.7	4.7	4.8	4.8	<b>4.61</b>	<b>19</b>
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	<b>4.37</b>	<b>37</b>
19	Performing Arts Dance 2000030)	5	5	5	5	5	4	5	5	5	5	<b>4.9</b>	<b>4</b>
20	Performing Arts - Music (2000031)	4.2	4	4.7	4.3	4	4	4.4	4	4.1	4.1	<b>4.18</b>	<b>21</b>
21	Personality Development (2000056)	4.3	3.9	4.8	4.1	3.8	3.9	4.6	4	3.9	4	<b>4.13</b>	<b>13</b>
22	Preliminary Journalism Skills (2000050)	5	4.8	5	4.8	4.8	4.5	4.9	4.7	4.7	4.7	<b>4.79</b>	<b>12</b>
23	Public Speaking (2000058)	4.7	4.3	4.8	4.7	4.5	4.3	4.6	4.6	4.7	4.7	<b>4.59</b>	<b>28</b>
24	Pythons of Programming (2000065)	4.4	4	4.6	4.2	4	3.9	4.4	4	4.3	4.1	<b>4.19</b>	<b>18</b>
25	Robotics (2000007)	4.3	4.2	4.6	4.2	4.6	3.7	4.4	4	4	4	<b>4.2</b>	<b>22</b>
26	Software Development (2000066)	4.4	4.4	4.7	4.2	4.2	3.9	4.5	4	4.2	4.4	<b>4.29</b>	<b>19</b>
27	Vehicular Skill Development (2000008)	4.1	3.9	4.9	4.1	3.7	3.9	4.3	4	4	4.1	<b>4.1</b>	<b>27</b>

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.

### **Suggestions / Experiences shared by NEC Mentors**

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.*

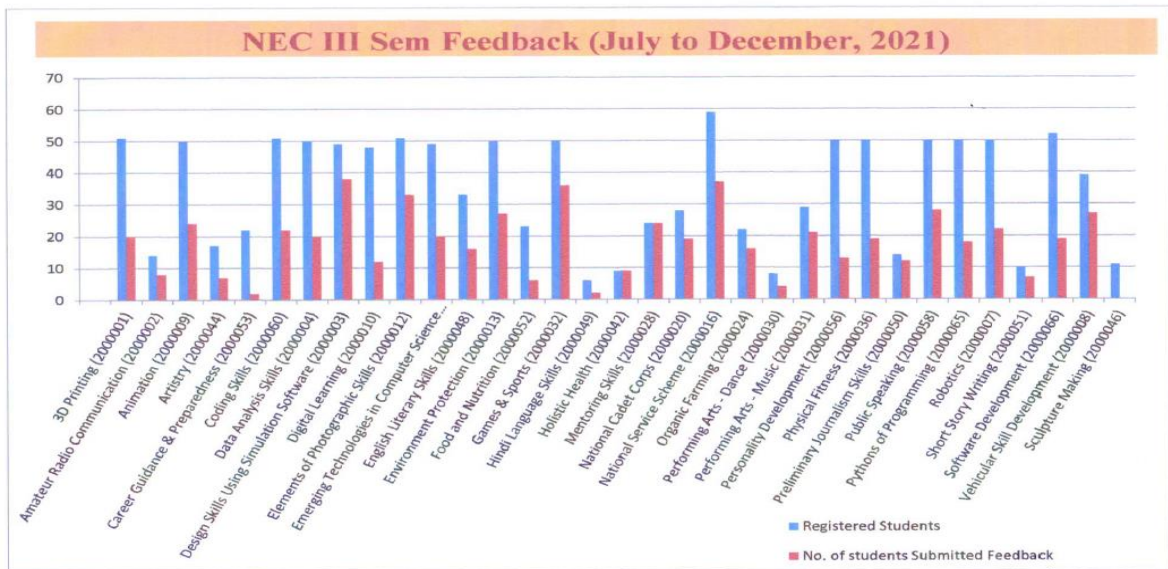
S. No.	Name of the Course	Mentor Name	Registered Students	No. of students Submitted Feedback	Feedback Questions Score on 5 Point Scale										Average out of 5
					Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	
1	3D Printing (2000001)	Dr Gavendra Norkey	51	20	4.5	4.4	4.5	4.5	4	4.2	4.3	4	4.2	4.2	4.28
2	Amateur Radio 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

*MLO*

Sl. No.	Course Name	Faculty	Total	Feedback	Grading										Average
					4.5	4.3	4.7	4.4	4.3	4.1	4.4	4.3	4.4	4.3	
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	5	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)	Mr. Pranshi Jain	11	0	--	--	--	--	--	--	--	--	--	--	--
<b>Total</b>			<b>1169</b>	<b>588</b>	<b>588</b>										

- 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

*MNO*



*M. Pandey*  
 11/3/2022  
 (Dean Academics)

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

*Gan P.*  
 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

	(200038)					
	Holistic Health* - I (200042)	Vishal Chaudhary	Electrical Engineering	3,4	2	08
Arts & Crafts	Artistry* - I (200044)	Pooja Sahoo	Electronics	3,4	2	14
	Sculpture Making* - I (200046)	Pranshi Jain	Architecture	3,4	2	10
Language Skills	English Literary Skills (200048)	Sanjeev Khanna	Humanities	3	1	29
	Hindi Language Skills (200049)	Angad Singh Ojha	Maths & Comp.	3	1	06
	Preliminary Journalism Skills (200050)	Anish P. Jacob	Chemical Engineering	3	1	10
	Short Story Writing (200051)	C.S. Malvi	Mechanical Engineering	3	1	09
Home Science	Food and Nutrition (200052)	Anjula Gaur	Applied Science	3	1	23
Soft Skills	Career Guidance & Preparedness (200053)	Praveen Bansal and Swati Gupta	Electrical, Chem. Engg	3	1	22
	Managing Mannerism* - I (200054)	Sapna Kumari	Student Counsellor	3,4	2	00
	Personality Development* - I (200056)	Anjali S Patil & Shweta Singh	Architecture	3,4	2	50
	Public Speaking* - I (200058)	Manish Dixit & Shweta Singh	CSE, Architecture	3,4	2	50
Application Software	Coding Skills** - I (200060)	Rajni Ranjan Singh	CSE	3,4,5,6	4	51
	Emerging Technologies in Computer Science (200064)	Mahesh Parmar	CSE	3	1	50
	Pythons of Programing (200065)	Prabhakar Sharma	Maths & Comp.	3	1	50
	Software Development** (200066)	Atul Chauhan	Data Resource Center	3,4,5,6	4	52
					<b>TOTAL</b>	<b>1129</b>

  
 (Dr. R.Kansal)  
 DSW

  
 (Dr. Manjaree Pandit)  
 Dean Academics