# Annual Report (2021-22)

## of

# **Examination** (For All programs)



Mission to Innovate Technology for Society

Madhav Institute of Technology & Science

Race Course Road, Gole Ka Mandir Gwalior, Madhya Pradesh 474005



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## **1.** Introduction

In the academic year 2021-22, the examination processes were conducted in hybrid mode for Jul-Dec 2021 session whereas in the session Jan-June 2022, all examination activities were conducted in Offline mode by using MOODLE, IMS and ECS server. In spite of various challenges faced due to COVID-19 pandemic lockdown, the Examination activities were conducted as per the time lines available in the academic calendar of the institute.

Apart from the choice based credit system approved guidelines implemented in academic year 2020-21, following changes with respect to the implementation of NEP2020 guidelines were incorporated from initial step of scheme feeding to final step of result preparation:

- a) Introduction of Novel Engaging Courses
- b) Introduction of Mandatory Audit Course
- c) Evaluation of practical courses through submission of Skill Based Mini Project
- d) 10% End Term Evaluation through Course Proficiency to assess the skills /abilities /competencies and knowledge attained on a continuous basis

### 2. Academic Calendar (2021-22)

The academic calendar for academic session 2021-22 was prepared by Dean, Academics of the institute and circulated among all stakeholders well in advance i.e on 20.05.2021 and odd semester started on scheduled date in virtual mode due to COVID-19 Lockdown but even semester commenced with offline teaching-learning activities and exams were also conducted in offline mode in the institute.

### 3. Conduct of Exams

Programme Name	Semester	Last date of the last semester-end/ year- end examination	
B.Tech. in Automobile	VIII	25-05-2022	30-05-2022
Engineering (AU)			
B.Tech. in Biotechnology	VIII	25-05-2022	30-05-2022
(BT)			
B.Tech. in Chemical	VIII	25-05-2022	30-05-2022
Engineering (CM)			
B.Tech. in Civil Engineering	VIII	25-05-2022	30-05-2022
(CE)			
B.Tech. in Computer Science	VIII	25-05-2022	30-05-2022
Engineering (CS)			
B.Tech. in Electrical	VIII	25-05-2022	30-05-2022
Engineering (EE)			
B.Tech. in Electronics	VIII	16-06-2022	23-06-2022

Engineering (EC)			
B.Tech. in Electronics &	VIII	16-06-2022	23-06-2022
Telecommunication			
Engineering (ET)			
B.Tech. in Information	VIII	25-05-2022	30-05-2022
Technology (IT)			
B.Tech. in Mechanical	VIII	25-05-2022	30-05-2022
Engineering (ME)			

#### 4. Initiatives Taken for Examination Reforms

1. **Multiple Mode Logical Pattern Examination system:** Conduction of examinations in multiple modes i.e. Assignment plus Oral/Pen & Paper/Multiple Choice Questions has been clearly identified, based on the nature of each course.

Last year, detailed guidelines were prepared and circulated for preparing MCQs with the provisioning of one and half hour duration for conducting the MCQ examination (except the MCQ based exam on account of SWAYAM/NPTEL subjects).

During 2021-22 academic session, following guidelines for Assignment plus Oral/Open Book exam were circulated for implementation:

#### <u>General Guidelines for Assignment + Oral (AO) mode of End Semester Theory</u> <u>Examination</u>

These guidelines are to be followed by the faculty members / panel of faculty members conducting end semester theory examination in Assignment + Oral (A+O) mode for the courses such as Introduction to Computer Programming

- 1. The exam of the 'Assignment Question Paper' is to be conducted for 02 Hrs. duration
- 2. The Assignment Question Paper will be distributed by the examination section and the solution will be submitted by the students to the concerning faculty members/ panel of faculty members going to conduct the Oral exam.
- 3. The Mark distribution will be as per the following

Total Marks	Assignment Weightage	Oral Weightage
60	40	20

- 4. The Assignment Question Paper will have Four (04) Questions. Out of the four questions, it is required to solve two (02) questions.
- 5. The assignment part will cover the entire syllabus of the course and it must be framed on the basis of learning-teaching (discussion/exercises/workshop/hands on Lab sessions, etc.) activity conducted for the complete semester.

## 6. There will be no theoretical / descriptive type questions in the Assignment Question Paper.

- 7. The nature of questions should be to judge the creative ability and innovativeness. Therefore, open ended problems need to be designed which can have multiple solutions / solution approaches. Moreover, the problems leading to small code segments/functions for newly created scenarios /context can also be given.
- 8. The assignment paper is to be prepared on the basis of Bloom's cognitive levels/ learning levels, which at least reflects the ability of applying, analyzing and evaluating, as detailed below:

Apply	
Skill demonstrated	Verbs
<ul> <li>Use information</li> <li>Use Concepts, methods, laws, theories in new situations</li> <li>Solve problems using required skills or knowledge</li> <li>Demonstrate correct usage of a method, concept or procedure</li> </ul>	Calculate, Predict, Apply, Solve, illustrate, use, demonstrate, determine, model, experiment, show, examine, modify

Analyze				
Skill demonstrated	Verbs			
<ul> <li>Break down a complex problem into parts</li> <li>Identify the relationships and interaction between the different parts of complex problem</li> </ul>	Classify, Outline, Break down, categorize, analyze, infer			

Evaluate	
Skill demonstrated	Verbs
<ul> <li>Use of definite criteria for judgment</li> <li>Verify value of evidence</li> <li>Assess value of theories, concepts</li> <li>Make choices based on reasoned argument</li> <li>Compare and discriminate between ideas</li> <li>Recognize subjectivity</li> </ul>	Assess, decide, choose, rank, grade, test, measure, defend, recommend, judge, conclude, justify, compare, evaluate

- 9. The oral part (weightage 20 marks) will be evaluated by a panel of examiners. The oral examination will be based on the submitted answer sheet of the students and hence it will be conducted individually for each student and not in a batch.
- 10. The viva voce/oral must have the primary focus on assessing the knowledge / skill set used towards the solution approach of the given problem (i.e. to check / judge the ability of the student).

#### General Guidelines for Open Book Based Examination to be Conducted in Pen and Paper Mode for 2020 Admitted Batch

1. The duration of examination will be of 2hrs for B. Tech/B. Arch and 3 hrs for M.Tech/ME/MUP/MBA/MCA.

2. Approx 40 % questions will be from Low Order Thinking Skills (LOTS) and approx 60% will be of High Order Thinking Skills (HOTS) category i.e. 24/28 marks questions

will be of LOTS and 36/42 marks questions will be of HOTS category for Maximum marks 60/70.

3. Questions based on remembering/recall of information like facts, definition, technical terms, classification, methodology, principles or procedures and understanding/ comparing the information will be categorized under LOTS.

4. HOTS Questions can reflect real life situation that require comprehension, information retrieval and synthesizing skills of the students to solve.

## 2. Mechanism for credit transfer for awarding minor specialization and Honours degrees

The modalities for awarding **'honours/minor specialization'** based on 'additional twenty credits earned through MOOCs' were mapped with result declaration process and the new formats for TR and mark-sheet with detailed guidelines were prepared, discussed/finalized in the meeting of the Academic Development Cell (ADC) on  $9^{\circ}$  June 2021 and sent to the service provider, CRISP, for implementation.

#### 3. Initiatives taken for implementation of NEP-2020:

In line with the recommendations of the NEP-2020, the institute has prepared a new template for scheme & structure of teaching & examination, for the 2020-2021 admitted batch with following changes:

- a) the weightage of practical courses has been increased
- b) the weightage of continuous evaluation has been increased
- c) weightage of MOOCs in the scheme has been increased

d) four credits for 'novel engaging courses' have been introduced to incorporate holistic education

e) new elements like **'Skill Based Mini Project'** and **'Course Proficiency'** have been added in the practical and theory slots respectively and following guidelines were framed for the evaluation:

Date	Activity	Weight (Continuousl Evaluation)	Remarks
02-16 <sup>th</sup> January 2023 (within 2-weeks from class starting)	Allotment of project topics (batches of 4 students maximum)		Topics to be designed such that students have to do something, some tangible outcome is achieved in the form of a coding exercise, software package, short paper, hardware, new lab experiment design, analysis of results obtained in lab or from some other practical data (Mapping with HOTs)
27th Feb to 10th March 2023 (To be scheduled during lab hours spaced over 2-weeks, after mid- semester-1 is over)	Mid-term evaluation-I (Oral evaluation based on brief presentation of synopsis/outline of project, identification of expected outcomes etc.)	10	Evaluation (based on rubrics) through presentation, viva, etc.
27 <sup>th</sup> to 7 <sup>th</sup> March 2023 (To be scheduled during lab hours spaced over 2-weeks, before mid- semester-1)	Mid-term evaluation-II (Compilation of final results/outcomes,final presentation & report as per formt provided by the department)	10	Evaluation (based on rubrics) through presentation, of final results/report/outcomes & viva, etc

Guidelines for the evaluation of skill based mini project (Use excel sheets)

**Guidelines for evaluating 'Course Proficiency'** 

The "course proficiency" component was inducted in the scheme/curriculum with effect from the batch 2020-21 onwards, wherein the objective is to assess the ability/ skill/ competence level /knowledge level /expertise attained etc. in that particular course/subject. Initially Three activities are being conducted / considered under the course proficiency part, namely: (i) Course end seminar and (ii) One-minute paper writing (iii) Outcome based on development of prototype/ product/research/paper publication aligned with the course. Later revised guidelines are implemented for evaluating course proficiency:

1. Two activities are proposed to be conducted under this component, namely: (i) Course end seminar and (ii) One-minute paper writing (iii) Outcome based on development of product/research/paper publication aligned with the course

2. These activities are to be conducted at the end of the semester, may be during the last week of semester teaching.

3. Two/three days should be allocated for this component and must be notified to the students well in advance.

4. The distribution of marks for the above activities may be 5:3:2 for awarding the marks.

#### (A) Guidelines for conduction of Course End Seminar

• Each student must be asked to prepare presentation not more 5 slides on his/her learning about the course. The slides must reflect the conclusive aspect of the course.

• The presentation must be before the course faculty.

• The faculty will map the course outcomes with presented contents for indirect CO assessment also.

#### (B) Guidelines for the conduction of one-minute paper writing

• The students are required to write their basic understanding from the course. (what students have learnt from the course/will they be able to apply, if yes, where?)

• This activity will be considered as a part of indirect assessment tool as well, for calculating course outcomes indirectly.

(C) Guidelines for the assessment of 'development of product/research/paper publication aligned with the course

- Development of Hardware/prototype/software product
- Development of an experiment
- Publication/presentation of a research paper in conference/Journal
- Course specific application towards community and society

#### 4. Guidelines for Assessment of 'Professional Development Course'

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Categories	Performance Indicators	Marks Assigned		
Institute Level* (C1)	Participation in Institute level technical events such as quizzes, extemporary, debate, student volunteers, seminar, industrial visits, local chapters (IET, IEEE, ISTE, IETE) etc.	02 Marks for each participation (maximum 08)		
State Level* (C2)	Participation in State level technical events, such as Robotics, Coding challenge, societal/social welfare activities, Cultural cum technical fest, technical symposium, volunteers, hackathon, sports etc.	03 marks for each participation (Maximum 09)		

#### **PERFORMANCE FACTORS**

National level*	Participation in National	level events such as hands on	05 marks for
(C3)	workshop, national level	each	
	Entrepreneurship, model making, techno culture fest,		participation
	national youth festival,	research conclave, project	(Maximum 10)
	competition, volunteers, sports festival, <i>Qualified</i>		
	GATE/CAT/		
	IIT-JAM/NET/SET/JRF/0	GATE/GMAT/CAT/ GRE/ and	
	any other national level e	exam/etc.	
Participation in	OBE coordinators, Mer	mbers of Board of Studies,	05 marks for
Department	departmental placemen	t committee, departmental	participation
Level	alumni cell, Class repre	sentatives, any other relevant	(Maximum 05)
committees	department committee (C	Certificate will be issued from	
(C4)	HoD /departmental coord	dinator)	
Participation in	Institutional Placement	cell as volunteers, Gender	06 marks for
Institute Level	champions, Members	of anti-ragging committees,	participation
committees	Hostel mess committees, Office bearers in innovation		(Maximum 06)
(C5)	and start-up cells, Club working committees, Student		
	Mentors, Members of IQAC, any other relevant		
	institute level committee		
		d from respective coordinator)	
MOOC's**	Successfully completed technical certification course		06 marks for
(C6)	in any MOOC's platform such as		each course
	(NPTEL/SWAYAM/Ed)	K/Coursera/Class Central etc.)	(Maximum 12)
EVALUATION			
Formula		Marks Scored (Maximum	1 50)
(C1x2 + C2x3 + C3x3)	5 + C4x5 + C5x6 + C6*6 =		
		=	

## 5. Qualifying criteria for Mandatory Audit Courses (MACs) at UG Engineering level for the batch admitted in 2020-21 onwards.

The examination section will ensure to award the grades, which will clearly indicate that whether "qualified" or "not qualified", as per the grading mechanism under practice in the institute.However, unless such students qualify in these MACs, they will not be considered eligible to get the UG degree

6. Normalization of marks of institute level examinations, against the SWAYAM / NPTEL course examinations: In order to maintain parity between the two examinations, and to motivate students to appear in the proctored examination conducted by SWAYAM/NPTEL agency and the good performers will not be demotivated on account of other students sometimes scoring higher marks in the institute level examinations for the same course.

## 5. SUMMARY OF QUESTION BANKS/QUESTION PAPERS FOR SESSION 2021-22 (REGULAR)

S. No.	Description	December Session (Odd Semester)	June Session (Even Semester)
1	Number of Question Papers	531	558

	Allocated		
2	Number of Faculty Members Participated	126	125
3	Total Number of Question Papers Generated	498	545
4	Category Wise Question Papers :		
	(a) Pen & Paper	344	293
	(b) Multiple Choice Questions (MCQ)	129	232
	(c) Assignment Plus Oral	25	20
5	Number of Question Papers Set Externally	6	6
6	Percentage of Question Papers Set Externally	2%	1%
7	Number of External Paper Setters	5	5

### 6. Result Analysis

## Odd Semester (Dec, 2021)

S.No	Branch Name	Semester	No. Of students registered	No. Of students passed	Pass %	No.	of Stu	Idents	With	Over A	ll Gra	de
						A+	A	<b>B</b> +	B	C+	С	D
1.	СЕ	Ι	122	107	87	5	26	43	27	6	0	0
		III	147	127	86	13	59	45	9	1	0	0
		V	154	144	93	3	44	70	23	4	0	0
		VII	144	127	88	1	39	69	16	2	0	0
2.	ME	Ι	88	84	95	7	27	38	11	1	0	0
		III	131	117	89	11	68	35	3	0	0	0
		V	149	140	93	6	74	54	6	0	0	0
		VII	146	144	98	14	96	29	5	0	0	0
3.	AU	Ι	18	18	100	1	7	5	5	0	0	0
		III	31	29	93	1	19	8	1	0	0	0
		V	67	64	95	0	13	43	8	0	0	0
		VII	69	69	100	2	23	30	13	1	0	0
4.	EE	Ι	134	132	98	1	40	64	27	0	0	0
		III	142	112	78	18	79	15	0	0	0	0
		V	154	150	97	20	95	31	3	1	0	0
		VII	146	143	97	1	82	58	2	0	0	0
5.	EC	Ι	138	137	99	3	98	34	2	0	0	0

		III	135	125	92	72	51	2	0	0	0	0
		V	132	123	99	17	95	19	0	0	0	0
		VII	132	129	97	29	92	8	0	0	0	0
6.	ЕТ	I	67	65	97	2	47	16	0	0	0	0
•••		III	68	58	85	25	32	1	0	0	0	0
		V	67	66	98	9	47	8	2	0	0	0
		VII	66	65	98	1	53	11	0	0	0	0
7.	CSE	I	136	136	100	22	91	19	3	1	0	0
	COL	III	141	127	90	26	67	29	4	1	0	0
		V	151	150	99	19	85	40	6	0	0	0
		VII	139	139	100	8	81	44	5	1	0	0
8.	IT	I	68	68	100	14	41	13	0	0	0	0
0.		III	72	57	79	9	27	19	2	0	0	0
		V	76	73	96	1	62	9	1	0	0	0
		VII	69	64	92	8	46	10	0	0	0	0
9.	СМ	I	18	18	100	1	9	3	5	0	0	0
		III	40	37	92	6	24	6	1	0	0	0
		V	58	57	98	3	21	30	3	0	0	0
		VII	55	55	100	2	28	23	2	0	0	0
10.	BT	I	-	-	-	-	-	-	-	-	-	-
200		III	-	_	_	-	-	-	-	-	-	-
		V	-	_	-	-	-	-	-	-	-	-
		VII	7	7	100	1	4	2	0	0	0	0
11.	B Arch	Ι	24	20	83	0	8	11	1	0	0	0
		III	37	32	86	0	14	17	1	0	0	0
		V	39	32	82	0	12	19	1	0	0	0
		VII	36	36	100	0	2	19	10	5	0	0
		IX	38	37	97	0	0	6	28	3	0	0
12.	ME.	Ι	16	16	100	3	9	3	1	0	0	0
		III	24	24	100	0	11	5	4	3	0	0
13.	M.Tech	Ι	13	13	100	3	6	2	2	0	0	0
		III	32	32	100	0	19	7	6	0	0	0
14.	MUP	Ι	12	12	100	0	7	5	0	0	0	0
		III	14	13	92	0	1	6	5	1	0	0
15.	MCA	Ι	67	67	100	6	38	22	1	0	0	0
		III	60	60	100	17	42	1	0	0	0	0
		V	19	19	100	4	13	2	0	0	0	0
16.	IT(AIR)	Ι	65	63	96	17	44	1	1	0	0	0
		III	73	62	84	33	28	1	0	0	0	0
		V										
		VII										
17.	ΙΟΤ	Ι	63	63	100	18	36	6	3	0	0	0
		III	68	59	86	6	44	8	1	0	0	0
		V										
		VII										
18.	MAC	Ι	68	68	100	6	50	12	0	0	0	0
		III	65	60	92	22	31	7	0	0	0	0
		V										

		VII										
19.	(IOT)	Ι	66	65	98	32	26	7	0	0	0	0
		III	70	58	82	17	34	7	0	0	0	0
		V										
		VII										
20.	AIDS	Ι	66	66	100	18	44	4	0	0	0	0
		III	-	-	-	-	-	-	-	-	-	-
		V										
		VII										
21.	AIML	Ι	65	64	98	7	52	5	0	0	0	0
		III	-	-	-	-	-	-	-	-	-	-
		V										
		VII										
22.	CSD	Ι	63	62	98	21	38	3	0	0	0	0
		III	-	-	-	-	-	-	-	-	-	-
		V										
		VII										

### Even Semester (June, 2022)

S.No	Branch Name	Semester	No. Of students registered	No. Of students passed	Pass %	No. (	of Stu	dents V	With C	)ver A	ll Gr	ade
						A+	A	<b>B</b> +	B	C+	C	D
1.	CE	II	122	118	96	0	8	63	42	5	0	0
		IV	146	132	90	0	8	51	64	9	0	0
		VI	153	124	81	0	21	58	41	4	0	0
		VIII	139	135	97	2	30	73	27	3	0	0
2.	ME	II	87	81	93	0	9	32	34	6	0	0
		IV	132	115	87	0	5	26	65	19	0	0
		VI	148	137	92	0	22	67	43	5	0	0
		VIII	142	135	95	0	22	65	44	4	0	0
3.	AU	II	17	15	88	0	0	4	9	2	0	0
		IV	31	27	87	0	2	4	17	4	0	0
		VI	64	55	85	0	4	23	23	5	0	0
		VIII	63	58	92	0	2	25	29	2	0	0
4.	EE	II	131	124	94	0	19	55	47	3	0	0
		IV	141	126	89	2	21	50	42	11	0	0
		VI	152	144	94	1	31	89	22	1	0	0
		VIII	139	139	100	1	33	79	25	1	0	0
5.	EC	II	139	130	93	1	33	63	26	7	0	0
		IV	135	122	90	3	15	58	44	2	0	0

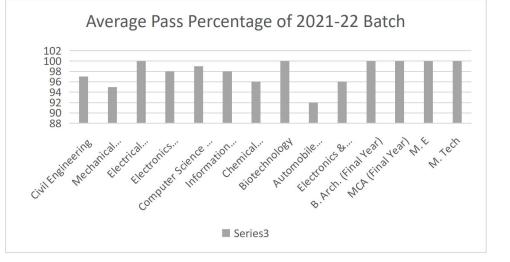
		VI	135	122	90	6	54	47	14	1	0	0
		VIII	123	121	98	2	32	79	8	0	0	0
6.	ЕТ	II	67	63	94	1	13	29	17	3	0	0
		IV	68	63	92	4	18	29	12	0	0	0
		VI	65	64	98	2	32	22	7	1	0	0
		VIII	64	62	96	0	4	45	13	0	0	0
7.	CSE	II	134	131	97	1	36	50	30	14	0	0
		IV	142	125	88	1	32	60	29	3	0	0
		VI	151	143	94	1	11	52	67	12	0	0
		VIII	132	131	99	2	17	89	23	0	0	0
8.	IT	II	67	62	92	0	18	26	11	6	1	0
		IV	72	69	95	1	32	27	8	1	0	0
		VI	76	72	94	0	12	42	17	1	0	0
		VIII	64	63	98	1	10	29	23	0	0	0
9.	СМ	II	19	17	89	1	1	9	4	2	0	0
	_	IV	40	35	87	1	1	12	19	2	0	0
		VI	59	56	94	0	2	19	27	8	0	0
		VIII	52	50	96	0	7	25	18	0	0	0
10.	BT	II	-	-	-	-	-	-	-	-	-	-
		IV	-	-	-	-	-	-	-	-	-	-
		VI	-	-	_	_	-	-	-	-	-	-
		VIII	7	7	100	0	0	3	4	0	0	0
11.	B. Arc	II	24	22	91	0	11	6	5	0	0	0
	h	IV	37	34	91	0	5	19	10	0	0	0
		VI	39	35	89	0	4	28	2	1	0	0
		VIII	36	35	97	0	6	17	10	2	0	0
		X	38	38	100	5	22	9	2	0	0	0
12.	ME	II	16	11	73	0	2	5	4	0	0	0
121		IV	5	5	100	0	1	1	3	0	0	0
13.	M. Tec	II	13	10	77	0	5	4	1	0	0	0
	h	IV	15	15	100	0	6	8	1	0	0	0
14.	MUP	II	13	12	92	0	4	4	4	0	0	0
		IV	-	-	-	-	-	-	-	-	-	-
15.	MCA	II	67	55	82	0	10	25	19	1	0	0
		IV	60	60	100	17	40	3	0	0	0	0
		VI	19	19	100	0	18	1	0	0	0	0
16.	IT(AIR	II	65	61	93	0	9	31	18	3	0	0
		IV	73	72	98	0	23	37	12	0	0	0
	,	VI	-	-	-	-	-	-	-	-	-	-
		VIII	-	-	_	-	-	-	-	-	-	-
17.	ΙΟΤ	II	62	55	88	0	13	22	17	3	0	0
		IV	68	66	97	1	22	25	17	1	0	0
		VI	-	-	-	-	-	-	-	-	-	-
		VIII	-	-	-	-	-	-	-	-	-	-
18.	MAC	II	68	58	85	1	2	14	22	16	3	0
		IV	65	62	95	1	11	35	15	0	0	0
		VI	-	-	-	-	-	-	-	-	-	-
		VIII	-	-	_	_	-	-	-	-	-	-

19.	(TOI)	II	66	62	93	0	14	23	21	4	0	0
		IV	70	65	92	0	19	29	15	2	0	0
		VI	-	-	-	-	-	-	-	-	-	-
		VIII	-	-	-	-	-	-	-	-	-	-
20.	AIDS	II	66	63	95	0	15	33	14	1	0	0
		IV	-	-	-	-	-	-	-	-	-	-
		VI	-	-	-	-	-	-	-	-	-	-
		VIII	-	-	-	-	-	-	-	-	-	-
21.	AIML	II	65	59	90	1	10	21	20	7	0	0
		IV	-	-	-	-	-	-	-	-	-	-
		VI	-	-	-	-	-	-	-	-	-	-
		VIII	-	-	-	-	-	-	-	-	-	-
22.	CSD	II	63	58	92	0	7	29	18	3	0	0
		IV	-	-	-	-	-	-	-	-	-	-
		VI	-	-	-	-	-	-	-	-	-	-
		VIII	-	-	-	-	-	-	-	-	-	-

## 7. Average Pass Percentage of Passing Out Batch

Programme B.E. (Final	Programme Name Civil Engineering	Numberofstudentsappeared in thefinalyearexamination139	Number of students passed in final Semester /year examination 135	Pass % 97
Year)	Mechanical Engineering	142	135	95
	Electrical Engineering	139	139	100
	Electronics Engineering	123	121	98
	Computer Science & Engineering	132	131	99
	Information Technology	64	63	98
	Chemical Engineering	52	50	96
	Biotechnology	7	7	100
	Automobile Engineering	63	58	92
	Electronics & Telecommunication Engineering	64	62	96
B. Arch. (Final Year)	Architecture	38	38	100
MCA	Master in Computer Application	19	19	100
(Final				
Year)				
M.E. (Final	Construction Technology &	5	5	100
Year)	Management Communication Control & Networking Industrial Systems & Drives			

M.Tech. (Final Year)Environmental Engineering Computer Science & Engineering Information Technology Microwave Engineering Production Engineering	15	15	100	
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### 8. Evaluation

**Digitization of valuation**: Mid sem and End Term Evaluation was conducted online by sharing Answer books, Question paper and Marks Award list on Google Drive for Dec 2021 session as examination were conducted Online whereas Onscreen Marking system provided by We Shine Tech Pvt Ltd was used for evaluating Answer Books of June 2022 session.

Session	Dec 2021	June 2022
No.of Answer Books Evaluated	12853	14502
No. of faculty members involved in evaluation	146	164

## 9. Grievances reported by students regarding evaluation process (2021-22)

No. Of students appeared in	No. of grievances	% of grievances
exam	reported	
4757	41	0.86%