

## **Minutes of the Internal Quality Assurance Cell (IQAC) meeting on 8<sup>th</sup> October 2021**

The meeting of the Internal Quality Assurance Cell (IQAC) was held on **8<sup>th</sup> October, 2021** at 11.30 am in the Convention Hall of the institute. The meeting was chaired by **Dr. R. K. Pandit**, Director of the Institute. Following have attended the Internal Quality Assurance Cell (IQAC) meeting:

**Chairperson** - Dr. R.K. Pandit, Director

### **External Experts-**

Dr. Sunil Kumar, Professor, School of Management Studies, IGNOU, New Delhi\*

### **Representative of Management-**

1. Shri Prashant Mehta, IAS, Member, BOG
2. Er. Ramesh Agrawal, Secretary, SECS & Member, BOG

### **Teachers-**

1. Dr. Manjaree Pandit, Professor & Dean Academics
2. Dr. Rajeev Kansal, Professor Civil Engineering & Dean, Student Welfare
3. Dr. Manoj Kumar Gaur, Professor & Head, Mechanical Engineering
4. Dr. Akhilesh Tiwari, Professor & Head, Information Technology
5. Dr. Vandana Vikas Thakre, Associate Professor, Electronics Engineering
6. Prof. Prabhakar Sharma, Assistant Professor (SG), Mathematics & Computing
7. Prof. Praveen Bansal, Assistant Professor, Electrical Engineering
8. Prof. Pooja Sahu, Assistant Professor, Electronics Engineering

### **Administrative Officers-**

1. Er. Vikram Rajput, Training & Placement Officer
2. Shri Dharmendra Gorakhpuri, Finance cum Account Officer
3. Shri Atul Chauhan, Assistant Registrar, IT
4. Smt. Pallavi Shrivastava, Assistant Registrar, H.R. Section

### **Nominees from Local Society, Students and Alumni -**

1. Dr. Keshav Pande, Local Society, Journalist
2. Shri G.D. Ladha, CA, President, Samatpan Health Care & Environment Society, Gwalior\*
3. Dr. Nameesh Miglani, General Secretary, Sunrise Technical Education Promotional Society\*

### **Student Representative-**

1. Ms. Akshada Wakankar, Student\*
2. Mr. Vineesh Modi, Student\*

### **Nominees from Employers/Industrialist/Stakeholders –**

1. Shri Vijay Kalra, Head, Mahindra Institute of Quality & Chairman, Central Safety Council, Ex-Chief of Manufacturing Operations, Mumbai\*
2. Ms. Shikha Gupta, Director (HR), Schneider Electric, Bangalore\*

### **Coordinator of the IQAC-**

Dr. Pratesh Jayaswal, Professor & Coordinator, IQAC.

*\*Attended through online mode*

The following deliberations took place in the meeting. The item wise details are as follows:

**Item. 1: To confirm the minutes of the IQAC meeting on 25<sup>th</sup> June, 2021**

➤ **The minutes of the previous IQAC meeting dated 25.06.2021 regarding following points were confirmed:**

- *The House was apprised about the constitution of the IQAC for the third time and the new members were introduced.*
- *The feedback mechanism for teaching-learning and its implementation: (UG II-III year & MCA) during the January-June 2021 semester was reviewed*
- *The feedback mechanism for teaching-learning and its implementation: (For all First Year Students: during the December 2020-March 2021 semester & Feedback-I of March-July 2021 semester)*
- *FEEDBACK SUMMARY OF ONLINE FEEDBACK on TEACHING-LEARNING (Session- July to December, 2020) was presented*
- *FEEDBACK SUMMARY OF ONLINE FEEDBACK on TEACHING-LEARNING DURING (Session - January to June, 2021) was presented*
- *The initiative taken for establishing an 'open dialogue with the director' with the first year students was reported along with the outcomes.*
- *Counselling sessions conducted for the first year students between June 5th –June 19th 2021 by the institute Counsellor*
- *Initiatives taken for the society during the COVID Second Wave*
- *Initiative taken to promote, inspire and motivate faculty to contribute in improving peer perception and branding of the institute*
- *House apprised about Examination Reforms: Guidelines for conducting evaluation of courses using (i) "Assignment plus oral" mode (ii) "pen and paper mode"*
- *The new VIII semester Tabulation Register (TR) format and mark-sheet format prepared to include honours/minor specialization provisions with the B.Tech degree was reported.*
- *Flexible Curriculum: (i) Data sheet for Professional Development Course (PDC) prepared (ii) Roles and Responsibilities of SWAYAM Coordinators/course mentors were put before the House.*
- *The preparedness of the institute regarding implementation of National Education Policy (NEP-2020) was reported.*
- *The House was apprised about the constitution of course committees for curriculum development*
- *To report about the conduction of Pre-Board of Studies Meetings in online mode [Curriculum Development]*
- *Mentoring sessions conducted for the online courses offered under the DE and OC category through SWAYAM/NPTEL/MOOCs [Student support & Teaching-learning]*
- *The compiled "Initiatives taken during 2016-2020" e-booklet was displayed in the House.*
- *The House was briefed about the (i) conduction of online Workshop on Virtual Labs by Team, IIT Delhi (ii) conduction of online Workshop on "Role of Holistic Education in building an equitable, safer and happier society"*
- *The student club/professional society chapter activities conducted in online mode during year 2020-2021 were reviewed.*

- *The House reviewed the (i) Sports activities during July 2020-May 2021(ii) NCC last five-year report (iii) results of NPTEL proctored examination on 21st March 2021*
- *Brief Report of Online Classes (I, II and III Year Students: 7th December 2020 to 30th April 2021 was reviewed*
- *To review the usage report and upgradation of the Library facilities in year 2020-2021*
- *The efforts made by the institute for getting research funding were presented during the meeting.*
- *Discussion on drafting the 'Research Promotion Policy' and 'Code of Ethics' document of the institute and uploading on the website after BoG approval*
- *The results of TEQIP-III final performance Audit were reported.*
- *The House discussed the Initiatives taken by the institute for increasing institutional visibility, ranking and peer perception and the role of faculty in the same*
- *There was discussion about enhancing Alumni participation in the institute and constitution of MITS-Industry-Alumni cell*
- *The House was informed about the submission of the Annual Quality Assurance Report (AQAR) for year 2019-2020 by the IQAC*
- *The House was briefed about preparation for the 'second cycle of NAAC accreditation'*

## **Item. 2 Annual Submission of AQAR and Second Cycle of Accreditation by NAAC: Action Plan**

➤ The Dean Academics of the Institute has appraised the house about the following status of AQAR/SSR to be submitted to NAAC:

- **The core team conducted a gap analysis and identified areas where there was an immediate scope of improvement.**
- Actions have been taken by assigning **specific responsibilities to faculty teams led by senior Professors.**
- Initiatives are taken to focus not only on the Annual Report but on developing a culture of quality improvement in-line with the requirements of the regulatory bodies, particularly with an eye on **submission of SSR (Self-study Report) next year in September-October 2022 to apply for the second cycle of accreditation by NAAC.**
- For each criterion, key indicator and sub-indicator, the data/information is being collected from departments and all stakeholders.
- **Regular meetings of Data Managers are being conducted by the core team to brief them about the procedure/format/authenticity/proof of data collection**
- A review will be conducted at department and then central level before submitting the AQAR.

**Summary of NAAC (AQAR/SSR) Preparation**  
*(Meetings and Orders Issued so far)*

S.No.	Date	Action	Participants
(1)	04/05/2021	<b>Data managers appointed</b> for better understanding and handling of institutional data for NAAC relate activities (Order no 781 date 04/05/2021)	13
(2)	05/05/2021	<b>Committee constituted</b> to prepare Institute information for quality assessment, Annual submission of AQAR and Self Study Report (SSR), (Order no 788 date 05/05/2021)	10
(3)	03/06/2021 & 04/06/2021	<b>National Workshop on “NAAC Accreditation”</b> on June 03 & 04, 2021 at Engineering staff College of India (ESCI), Hyderabad	02
(4)	21/06/2021 & 22/6/2021	Two-day National Workshop for HEI on <b>“Transformation through NAAC Accreditation Process”</b> on 21 <sup>st</sup> & 22 <sup>nd</sup> June 2021	10
(5)	30/06/2021	<b>Celebration of National / International commemorative days</b> , events/festivals(Order no 1105 date 30/06/2021)	01
(6)	09/07/2021	Roles & Responsibilities of Faculty: A NAAC Perspective (Session by Dr. M. Pandit in FIP 2021)	23
(7)	13/07/2021	Officials/staff members inducted in the NAAC team ((Order no 1201 date 13/07/2021)	05
(8)	14/07/2021	<b>Data manager were briefed</b> about AQAR/SSR data sheets.	17
(9)	24/08/2021	Meeting with committee constituted vide order no. 1188 dt. 19.08.2021 to discuss action plan for <b>regular conduction of Extension activities through NSS/NCC/Red Cross/YRC</b>	07
(10)	24/08/2021	Meeting with committee constituted vide order order no. 1478 dt. 17.08.2021 to discuss action plan for <b>regular conduction of Workshops/Seminars on Research Methodology, Intellectual Property Rights (IPR) and Entrepreneurship &amp; Skill Development</b>	07
(11)	24/08/2021	Meeting with committee constituted vide order order no. 1374 dt. 30.07.2021 to discuss <b>"Annual Gender Sensitization Plan”</b> with Gender Sensitization Committee	06
(12)	02/09/2021	<b>AQAR datasheet was presented by Prof. Aditya Agarwal</b> for Civil Engineering Department	15
(13)	07/09/2021	<b>Workshop on Computation of Citation, I &amp; H-</b>	17

		<b>Index for the Data Managers</b>	
(14)	13/09/2021	<b>AQAR datasheet was presented by Prof. Vishal Chaudhary for Electrical Engineering Department.</b>	12
(15)	14/09/2021	<b>Meeting of HoDs, Deans and Exam Controller for Singing MoUs, constitution of placement cell, involvement and participation of two students (III Year) constitution of Alumni cell, all at department level</b>	18
(16)	22/09/2021	Meeting with Professors and HoDs to compile information related to <b>“Dedicated Research Centres”</b> (order no. 1732 dt. 23.09.2021)	7
(17)	23/09/2021	AQAR datasheet was presented by <b>Dr. Amit Aherwar for Mechanical Engineering</b> Department and the team discussed that codes are to be assigned to all Minors, Honors and SIP courses	12
(18)	October 2021	Review of AQAR at Department Level	Proposed
(19)	October 2021	Review of AQAR at Department Level	Proposed
(20)	November 2021	Review of AQAR at Central Level	Proposed
(21)	December 2021	Submission of AQAR	Proposed

➤ **Dr. Nameesh Miglani, General Secretary**, Sunrise Technical Education Promotional Society & alumni member of IQAC has express willingness to review the AQAR before submission to NAAC.

### **Item. 3: Identifying slow learners so that their attendance, performance and progress can be monitored**

- The house reviewed the following implementation status of mechanism adopted for Identifying slow learners in the Institute
- The institute follows a practice of profiling students on the basis of their learning behaviour, attendance.
  - The class coordinators were instructed to conduct a meeting with the faculty for class-wise compilation of information about students and their learning behaviour in the online (digital) environment (**As was done last year also**)
  - On the basis of this information, the slow learners were identified and asked to attend the ‘Additional & Remedial Classes’. Counselling session were also conducted for such students.
  - The **fast digital learners** will be those students who are attending almost all classes (2-3 per week per course), quizzes etc. and submitting assignments regularly. (irrespective of marks obtained)
  - The **medium level digital learners** will those students who are attending at least one

online class per course per week, and submitting assignments regularly and appearing for quizzes (at least 50% of assigned/conducted).(irrespective of marks obtained)

—The **slow digital learners** will be those students who are **not** attending any online classes or attending less than 10% of classes, and not submitting assignments/quizzes or submitting/appearing for less than 10 % of assigned/conducted. (irrespective of marks obtained)

➤ **Dr. Nameesh Miglani**, Alumni member IQAC, **Ms. Shikha Gupta**, Director (HR), Schneider Electric, Bangalore and **Shri Vijay Kalra**, Head, Mahindra Institute of Quality, have appreciated the mechanism adopted in Institute for students profiling and suggested to incorporate the Students Portfolio maintenance with the help of MIS. **Ms. Shikha Gupta**, has also suggested to prepare Action Taken report to highlight the benefits of Students Profiling Mechanism implemented in the Institute.

**The department & class wise details of fast, medium & slow digital learners as identified at the department level with the help of class coordinators is as follows:**

### Profiling of Students as Slow/Medium/Fast learners

(19<sup>th</sup> July to 20<sup>th</sup> August 2021)

<b>Class: V Semester</b>				
Department	Registered Student	No of students identified as <b>slow digital learners</b> <sup>#</sup> (19 <sup>th</sup> July-20 <sup>th</sup> August)	No of students found to be <b>medium digital learners</b> from 19 <sup>th</sup> July to 20 <sup>th</sup> August)	No of students found to be <b>fast digital learners</b> from 19 <sup>th</sup> July to 20 <sup>th</sup> August)
Civil	115	57 (49.56%)	37 (32.17%)	21 (18.26%)
Mechanical	150	46 (30.66%)	30 (20%)	74 (49.33%)
Automobile	67	17 (25.37%)	15 (22.38%)	35 (52.23%)
Electrical	153	43 (28.10%)	39 (25.49%)	71 (46.40%)
Electronics	143	36 (25.17%)	44 (30.76%)	63 (44.05%)
ET	69	43 (62.31%)	16 (23.18%)	10 (14.49%)
CSE	155	31 (20%)	60 (38.70%)	64 (41.29%)
IT	75	5 (6.66%)	19 (25.33%)	51 (68%)
Chem	59	15 (25.42%)	16 (27.11%)	28 (47.45%)
MAC	68	06 (9%)	17 (25%)	45 (66%)
Architecture	39	03 (7%)	24 (61.53%)	12 (30.76%)
MCA	20	7 (35%)	08 (40%)	05 (25%)
MBA	17	03 (17.65%)	06 (35.29%)	8 (47.06%)
<b>TOTAL</b>	<b>1130</b>	<b>312</b>	<b>331</b>	<b>487</b>
<b>Average</b>		<b>27.61%</b>	<b>29.29%</b>	<b>43.10%</b>
<b>Class: VII Semester</b>				
Department	Registered Student	No of students identified as <b>slow digital learners</b> <sup>#</sup> (19 <sup>th</sup> July-20 <sup>th</sup> August)	No of students found to be <b>medium level digital learners</b> from 19 <sup>th</sup> July to 20 <sup>th</sup> August)	No of students found to be <b>fast level digital learners</b> from 19 <sup>th</sup> July to 20 <sup>th</sup> August)
Civil	129	81 (62.79%)	30 (23.25%)	18 (13.95%)
Mechanical	152	46 (30.26%)	72 (47.36%)	34 (22.36%)
Automobile	70	41 (58.57%)	14 (20%)	15 (21.42%)
Electrical	151	39 (25.82%)	40 (26.49%)	72 (47.68%)
Electronics	141	27 (19.14%)	26 (18.43%)	88 (62.41%)

ET	65	12 (18.46)	05 (7.69)	48 (73.84%)
CSE	140	57 (40.71%)	63 (45%)	20 (14.28%)
IT	69	8 (11.76)	20 (28.98%)	41 (59.42%)
Chemical	55	12 (21.81)	11 (20%)	32 (58.18%)
Architecture	37	02 (5.40%)	21 (56.75%)	14 (37.83%)
<b>TOTAL</b>	<b>1009</b>	<b>325</b>	<b>302</b>	<b>382</b>
<b>Average</b>		<b>32.21%</b>	<b>29.93%</b>	<b>37.85%</b>

### **The institutional Average**

*(19th July to 20th August 2021)*

<b>% of total fast digital learners</b>	<b>% total of medium level digital learners</b>	<b>% of total slow digital learners</b>
<b>40.62%</b>	<b>29.59%</b>	<b>29.78%</b>

***The details are enclosed in Annexure Annexure-I***

#### **Item. 4: Administrative Efficiency index (AEI) of January-June 2021 Session**

- The external members of IQAC has appreciated the mechanism of Administrative Efficiency index (AEI) implemented in the Institute as this will help in timely and quality compilation of information as per Quality Assurance bodies. The summery & comparative **ADMINISTRATIVE EFFICIENCY INDEX (AEI)** of all the departments for the last three years is as follows:

- As previously discussed and approved in the meeting of the IQAC the Administrative Efficiency Index (AEI) for the **Jan-June 2021** session has been computed. During April-May 2021 the city was facing the deadly third wave of COVID pandemic; still the faculty members tried to do their best.
- The AEI indices of the departments for the three successive semesters Jan-June 2020, July to December 2020 and January-June 2021 are compared.
- A total of **60 parameters (reports)** were used for the computation of AEI out of 10. The department wise scores are listed here.

#### **COMPARISON OF LAST THREE SEMESTER REPORTS**

**(January 2020 to December 2020)**

<b>COMPARISON OF ADMINISTRATIVE EFFICIENCY INDEX (AEI) (out of 10)</b>										
<b>Duration</b>	<b>Civil</b>	<b>Mech. &amp; Auto.</b>	<b>Elect.</b>	<b>Elex. &amp; ET</b>	<b>CSE &amp; IT</b>	<b>Chem.</b>	<b>BT</b>	<b>Humanities</b>	<b>Applied Sci.</b>	<b>Arch.</b>
<b>January to June 2020</b>	6.16	5.71	6.94	7.13	<b>8.87</b>	5.70	3.80	5.14	6.04	4.06
<b>July to December 2020</b>	7.76	6.76	8.46	<b>9.11</b>	8.49	7.72	4.75	4.56	5.14	5.76
<b>January to June 2021</b>	5.53	6.82	7.18	<b>7.35</b>	6.70	5.51	--	6.05	--	5.00

ADMINISTRATIVE EFFICIENCY INDEX (AEI) (out of 10) Jan-June 2021											
Duration	Civil	Mech. & Auto.	Elect.	Elex. & ET	CSE	IT	Chem.	Arch.	Humanities	MAC	MBA
Jan- June 2021	5.53	6.82	7.18	7.35	6.70	6.64	5.51	5.00	6.05	6.02	4.32



*The details are enclosed in Annexure-II*

### Item. 5: In-House Internships and Finishing Schools Conducted

- The **Dean Student Welfare and Training & Placement Officer** of the Institute have presented the report on in-house Internships and finishing schools conducted for the students:

S.No.	Activity	From	To	Registered Students	No. of Student completed successfully
1.	SIP-I	22/07/2021	31/07/2021	1051	1028 (98%)
2.	SIP-II	11/05/2021	28/05/2021	1114	1045 (94%)
3,	Finishing School	May 2021	-----	957	893 (93%)

### SUMMER INTERNSHIP PROGRAMME-I: (For 1 year Students)

<p><b>ABOUT SUMMER INTERNSHIP</b></p> <p>Internships are educational and career development opportunities, providing practical experience in a field or discipline. Following are the intended objectives of internship training</p> <ul style="list-style-type: none"> <li>➤ Provide possible opportunities to learn, understand and sharpen the real time technical skills required at the job</li> <li>➤ Get exposed to the current technological developments relevant to the subject area of training.</li> <li>➤ Use the experience gained form the Internship in discussions held in the online classrooms</li> <li>➤ Create conditions conducive to quest for knowledge and its applicability on the job.</li> <li>➤ Learn to apply the technical knowledge in real life situations.</li> <li>➤ Gain experience in writing reports in technical works/projects.</li> <li>➤ Expose students to the engineer's responsibilities and ethics</li> </ul> <p><b>MITS, GWALIOR</b></p> <p>Madhav Institute of Technology and Science (MITS), Gwalior was established by His Highness Sir Jiwaji Rao Scindia, Maharaja of Erstwhile State of Gwalior, with an aim to create world class quality Engineers and technocrats capable of providing leadership in all spheres of life and society. Founded as Madhav Engineering College in 1957. Since its inception, the institute has constantly strived for excellence and quality. Today the institute offers fifteen UG programmes along with research programmes leading to Master's degree in thirteen specializations and Ph.D. in various technical streams. Various departments of the institute have well equipped laboratories and experienced faculty. The institute is a minor QIP centre for Ph.D. programmes in five disciplines. The institute is also funded by the World Bank under TEQIP phase III to strengthen the quality of technical education.</p> <p><b>ORGANIZING COMMITTEE</b></p> <p><b>Coordinator</b> Dr. Rajeev Kansal    Professor, Department of Civil Engineering</p> <p><b>Co-Coordinator(s)</b> Prof.Praveen Bansal    Assistant Professor, EED Prof.Swati Gupta        Assistant Professor ,EED</p>	<p><b>Two Week Online Summer Internship Programme- 2021 For B.E/ B.Tech/BArch Students</b></p> <p><b>(22<sup>nd</sup> July to 31<sup>st</sup> July 2021)</b></p> <p><b>(In Virtual Mode)</b></p>   <p><b>MADHAV INSTITUTE OF TECHNOLOGY &amp; SCIENCE</b> (A Govt. Aided UGC autonomous &amp; NAAC Accredited institute affiliated to RGPV, Bhopal) Race Course Road, Gola Ka Mandir, Gwalior, M.P. 474005 website: <a href="http://www.mitsgwalior.in">www.mitsgwalior.in</a></p>
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## Report of Summer Internship Program 2021

- Institute has organized online summer internship Program during **22<sup>nd</sup> July to 31<sup>st</sup> July 2021.**
- Total 40 modules were offered for registration of B. Tech / B. Arch UG I year students.
- Out of which, **29** were successfully conducted and total number of registrations were **1068.**

The intended objectives of internship training are as follows:

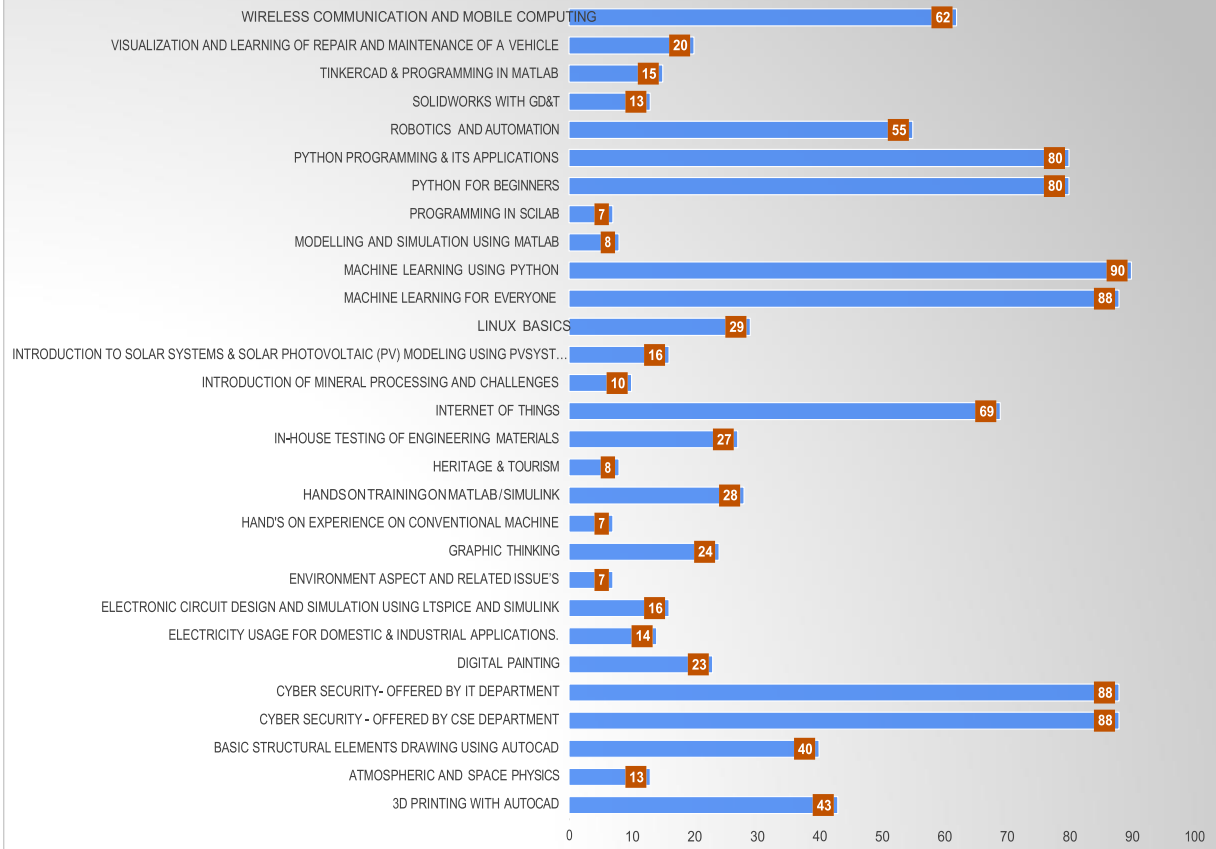
- ✓ *Provide possible opportunities to learn, understand and sharpen the real time technical skills required at the job*
- ✓ *Get exposed to the current technological developments relevant to the subject area of training.*
- ✓ *Use the experience gained form the Internship in discussions held in the online classrooms*
- ✓ *Create conditions conducive to quest for knowledge and its applicability on the job.*
- ✓ *Learn to apply the technical knowledge in real life situations.*
- ✓ *Gain experience in writing reports in technical works/projects.*
- ✓ *Expose students to the engineer's responsibilities and ethics.*

### List of Modules offered

S.No.	Name of Department	Name of Modules
1.	<b>Electrical Engineering</b>	<u>Hands on Training on MATLAB / SIMULINK</u>
2.		Introduction to Solar Systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink
3.		Numerical Computations in Electrical Engineering using MATLAB
4.		Electricity usage for Domestic & Industrial applications.
5.		<u>Hands on Training on LABVIEW</u>
6.	<b>Mechanical Engineering/ Automobile</b>	3D Printing with AutoCAD
7.		SOLIDWORKS with GD&T
8.		Robotics and Automation
9.		Hand's on Experience on Conventional Machine
10.		Visualization and learning of repair and maintenance of a vehicle
11.		State Of The Art Of Ground Vehicles
12.	<b>IT</b>	Machine Learning for Everyone
13.		Python for Beginners
14.		Cyber Security
15.	CSE	Machine Learning using Python
16.		Cyber Security
17.		Internet of Things

18.		Python Programming & its Applications
19.		Wireless Communication and mobile computing
20.	<b>Electronics Engineering</b>	Programming in Scilab
21.		Tinkercad & Programming in MATLAB
22.		Electronic Circuit design and Simulation using LTSpice and Simulink
23.	<b>Civil Engineering</b>	In-House Testing of Engineering Materials
24.		Basic Structural elements drawing using AutoCAD
25.		Modelling and Simulation using MATLAB
26.	<b>Mathematics &amp; Computing</b>	Linux basics
27.		Differential Equations and Its Application
28.		Discrete Mathematics and It's Application
29.		Descriptive Statistics with R
30.		Introduction of Soft Computing
31.		Spreadsheet experience and technology
32.	<b>Chemical Engineering</b>	Introduction to Analytical Instruments
33.		Environment Aspect and Related Issue's
34.		Introduction of Mineral Processing and Challenges
35.	<b>Applied Science</b>	Atmospheric and Space Physics
36.		Chromatographic Techniques used in identification
37.		Preparation of Soap Using Different Types of Oils and Exploring its Properties
38.	<b>Architecture</b>	Digital Painting
39.		Graphic Thinking
40.		Heritage & Tourism

## Summer Internship Modules Run



## Feedback of Summer Internship -I (2020-2021)

### Feedback Points

F1	Module Coordinator clearly defines the goals at the beginning of the Internship
F2	The lecture sequence was well planned
F3	The teaching aids effectively used
F4	The course exposed you to new knowledge and practices
F5	The quality of digital lectures/slides available through MOODLE, youtube and other online platforms was good
F6	The level of the module course is
F7	The work I performed are challenging and stimulating
F8	This Internship helped me to grow professionally
F9	I would recommend this Internship to other students in future
F10	Suggestions

### *List of Modules (Feedback Received)*

M1	3D Printing with AutoCAD
M2	Atmospheric and Space Physics
M3	Basic Structural elements drawing using AutoCAD
M4	Cyber Security - offered by CSE department
M5	Cyber Security- offered by IT department
M6	Digital Painting
M7	Electricity usage for Domestic & Industrial applications.
M8	Electronic Circuit design and Simulation using LTSpice and Simulink
M9	Environment Aspect and Related Issue's
M10	Graphic Thinking
M11	Hand's on Experience on Conventional Machine
M12	Hands on Training on MATLAB / SIMULINK
M13	Heritage & Tourism
M14	In-House Testing of Engineering Materials
M15	Internet of Things
M16	Introduction of Mineral Processing and Challenges
M17	Introduction to Solar systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink
M18	Machine Learning for Everyone
M19	Machine Learning using Python
M20	Modelling and Simulation using MATLAB
M21	Programming in Scilab
M22	Python for Beginners
M23	Python Programming & its Applications
M24	Robotics and Automation
M25	SOLIDWORKS with GD&T
M26	Tinkercad & Programming in Matlab
M27	Visualization and learning of repair and maintenance of a vehicle
M28	Wireless Communication and mobile computing

### Feedback Received

S.No.	Module	F1	F2	F3	F4	F5	F6	F7	F8	F9	Internship Feedback Index	No. of students registered	No. of students given Feedback
1	M1	4.5	4.4	4.5	4.5	4.3	3.9	4.2	4.3	4.4	4.3	43	35
2	M2	4.5	4.8	4.8	4.8	4.6	3.9	4.2	4.3	4.8	4.5	13	12
3	M3	4.7	4.7	4.6	4.8	4.7	4.4	4.7	4.7	4.9	4.7	43	40
4	M4	4.5	4.5	4.3	4.4	4.3	3.9	4.3	4.2	4.2	4.3	88	63
5	M5	4.3	4.5	4.4	4.5	4.5	3.9	4.2	4.1	4.2	4.3	88	35
6	M6	4.6	4.8	4.8	4.9	4.8	4.4	4.5	4.9	4.9	4.7	23	14
7	M7	4.9	4.9	5.0	4.8	4.9	4.5	4.8	4.8	4.8	4.8	14	8
8	M8	4.4	4.2	4.3	4.7	4.4	4.2	4.3	4.6	4.6	4.4	16	9
9	M9	4.5	4.7	4.6	4.8	4.7	4.6	4.3	4.8	5.0	4.7	11	9
10	M10	4.8	4.8	4.7	4.6	4.6	4.1	4.6	4.5	4.6	4.6	24	20
11	M11	5.0	4.7	4.7	4.7	4.7	4.0	3.7	4.3	5.0	4.5	7	3
12	M12	4.7	4.6	4.6	4.7	4.6	4.1	4.4	4.6	4.7	4.6	35	28
13	M13	5.0	4.8	4.9	5.0	4.6	4.6	4.8	4.8	4.8	4.8	8	8
14	M14	4.6	4.6	4.4	4.5	4.5	4.2	4.4	4.7	4.6	4.5	27	34
15	M15	4.5	4.5	4.5	4.6	4.5	4.1	4.3	4.3	4.4	4.4	69	59
16	M16	4.9	4.7	4.7	4.8	4.4	4.2	4.4	4.4	4.6	4.6	10	10
17	M17	4.7	4.6	4.4	4.6	4.3	4.1	4.1	4.2	4.4	4.4	16	15
18	M18	4.5	4.5	4.4	4.4	4.3	3.9	4.2	4.1	4.3	4.3	88	77
19	M19	4.5	4.5	4.4	4.5	4.4	3.9	4.3	4.2	4.2	4.3	90	67
20	M20	4.8	4.8	4.5	4.8	4.8	4.8	4.5	4.5	4.3	4.6	8	4
21	M21	3.7	3.6	3.8	3.4	3.6	3.0	3.7	3.3	3.7	3.5	7	9
22	M22	4.3	4.3	4.2	4.2	4.2	3.9	4.0	4.1	4.3	4.2	80	43
23	M23	4.7	4.8	4.7	4.7	4.7	4.1	4.6	4.6	4.7	4.6	80	75
24	M24	4.2	4.2	4.2	4.1	4.3	4.1	4.0	4.0	4.1	4.1	55	36
25	M25	4.5	4.9	4.5	4.6	3.9	4.2	3.9	4.5	4.6	4.4	13	11
26	M26	5.0	5.0	4.9	5.0	4.8	4.4	4.3	4.8	4.9	4.8	15	15
27	M27	4.7	4.6	4.7	4.5	4.3	4.2	4.4	4.4	4.6	4.5	20	19
28	M28	4.7	4.8	4.7	4.8	4.6	4.2	4.4	4.5	4.5	4.6	60	52
											<b>TOTAL</b>	<b>1051</b>	<b>810 (77%)</b>

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## SUMMER INTERNSHIP PROGRAMME-II: (SIP-II) (For II year Students)

### A Report on SIP-II 2020 conducted online from 11/May/2021 through 29/May/2021.

The year SIP-II Soft Skills was conducted in online mode from 10th May through 29th May 2021. Following is a report of the proceeding in a nut shell:

- A total of 1114 students were registered via MIS for the Internship out of which 1062 students participated in the same, whereas 1045 students cleared the internship and 69 students could not clear the same.
- A total of **07 modules were administered** this time and 04 faculties from the Department of Humanities, 01 each from Civil and Mechanical Engineering, 02 each from CSE and MBA were the facilitators.
- Each module was run on two days and was administered alike.

- The modules were
  - *Time Management and Ethics*
  - *Interpersonal Communication*
  - *Attitude*
  - *Leadership*
  - *Problem Solving and Creativity*
  - *Groups and Teams, and*
  - *Self-Concept.*
- The modules were in mixed mode. Facilitators uploaded their video lectures along with notes and other study material on the Moodle and engaged in interactive sessions on ZOOM/Google meet for 2-3 hours split between 10:00 AM to 05:00 PM daily.
- The timings were flexible and were adjusted wherever needed.
- A complete time schedule of the same was prepared and followed for convenience of both the facilitators and students. The same was communicated to students in advance.
- All such necessary details were posted on institute website as well students were emailed personally.
- The response of students was mixed as some were eager to participate in the exercise whereas other expected that some inputs should be in offline mode. A brief analysis of students' feedback is appended.
- The only concern that was noticed were class size and quality of audio and visuals in online mode.

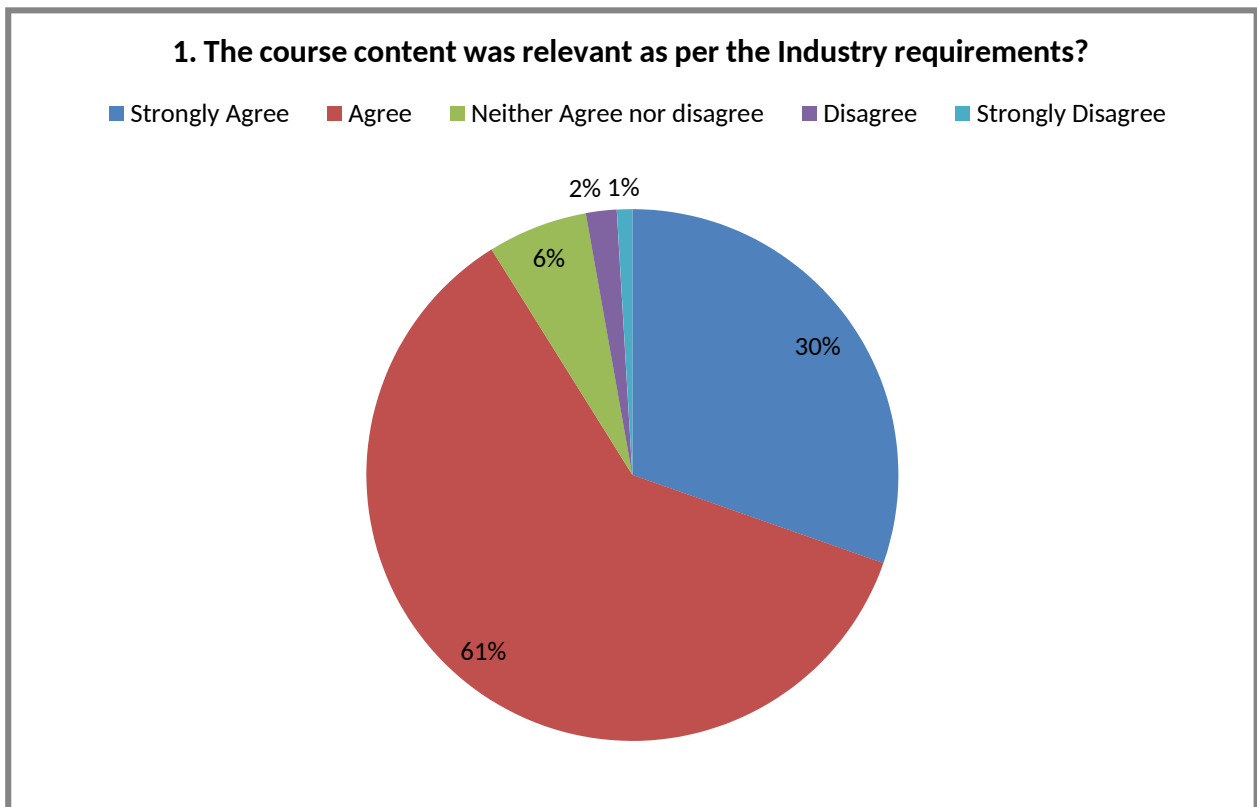
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### Finishing School Program May, 2021 (For III year Students)

S. No.	Module Name	Department	Students Registered	Faculty Involved	Successful Students
1.	Advanced Software Application in Architecture	Architecture	56	03	31
2.	Medical Device Innovation	Biotech	09		--
3.	Process Integration & Automation in Chemical Industries	Chemical	32	03	32
4.	Matrix Analysis of Structures	Civil	04	02	03
5.	Environmental Engineering Design of Sewage Treatment Plant	Civil	36	02	32
6.	Field Outlook in Civil Engineering Projects	Civil	71	02	71
7.	Structural Design of a Two Storey RC Building	Civil	11	03	10
8.	Applied and Intelligent Computational Skills	CSE	21	02	19
9.	Cyber Security and Integrity	CSE	171	03	167
10.	Image Processing Using MATLAB	CSE	06	03	05

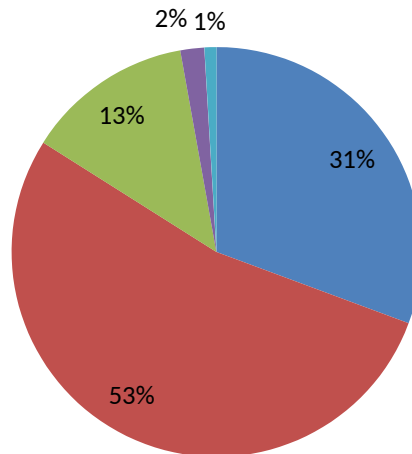
11.	Optimization in Power System Operation, Planning and, Application of FACTS Devices	Electrical	24	02	24
12.	Biomedical Signal and Image Processing using MATLAB/OCTAVE Platform	Electrical	13	01	12
13.	Control and Automation	Electronics	28	04	26
14.	Data Science for Beginners	IT	221	04	214
15.	Cyber Security	IT	126	04	126
16.	Applications & Modelling	ME & AU	128	03	121
<b>TOTAL =</b>		<b>16</b>	<b>957</b>	<b>41</b>	<b>893</b>

## FEEDBACK OF FINISHING SCHOOL



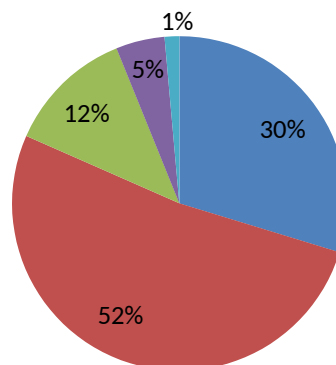
## 2. Courses well designed and structured

■ Strongly Agree ■ Agree ■ Neither Agree nor disagree ■ Disagree ■ Strongly Disagree



## 3. Have you obtained sufficient knowledge (both in theory and practical) during the course

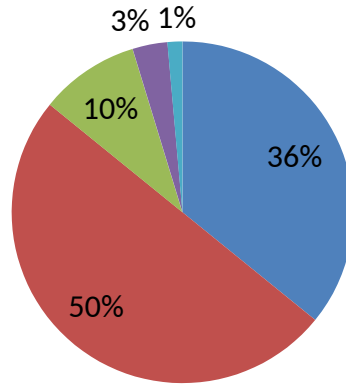
■ Strongly Agree ■ Agree ■ Neither Agree nor disagree ■ Disagree ■ Strongly Disagree





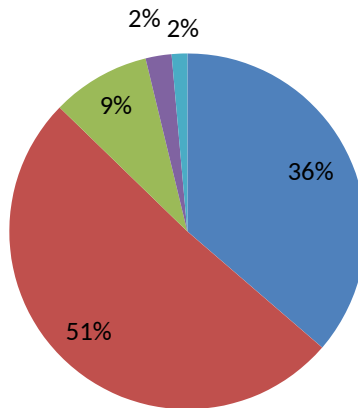
#### 4. Relates subject with practical examples

Strongly Agree Agree Neither Agree nor disagree Disagree Strongly Disagree



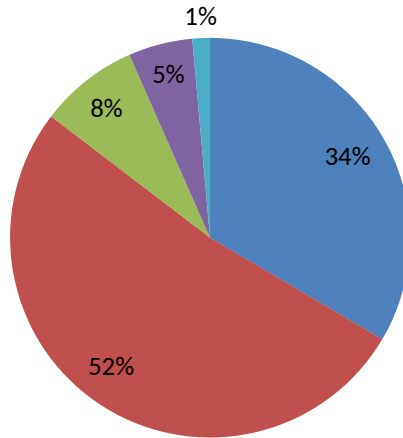
#### 5. Did that course create interest

Strongly Agree Agree Neither Agree nor disagree Disagree Strongly Disagree



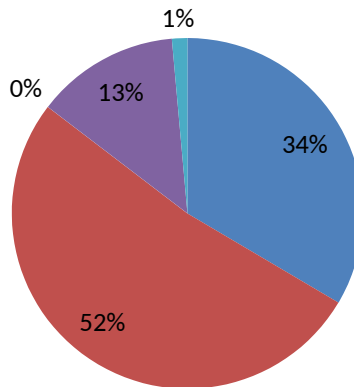
**6. Was Course Material/Study Material/Notes appropriate and sufficient**

■ Strongly Agree ■ Agree ■ Neither Agree nor disagree ■ Disagree ■ Strongly Disagree



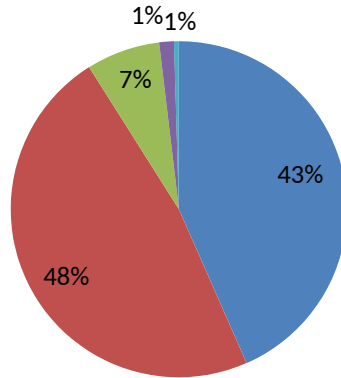
**7. Are you motivated and interested to attend this course**

■ Strongly Agree ■ Agree ■ Neither Agree nor disagree ■ Disagree ■ Strongly Disagree



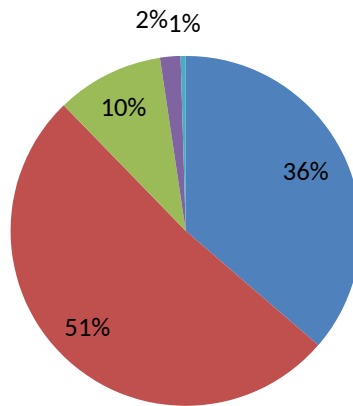
### 8. Were Faculty Coordinators approachable & helping

■ Strongly Agree ■ Agree ■ Neither Agree nor disagree ■ Disagree ■ Strongly Disagree



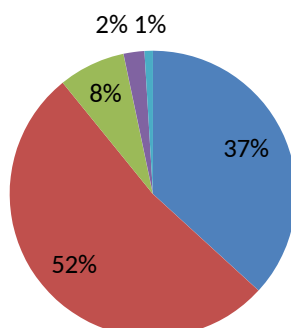
### 9. Are you overall satisfied with the Faculty teaching style and knowledge sharing

■ Strongly Agree ■ Agree ■ Neither Agree nor disagree ■ Disagree ■ Strongly Disagree



**10. Was coordination and conduction of the course appropriate starting from Registration process till end**

■ Strongly Agree   
 ■ Agree   
 ■ Neither Agree nor disagree   
 ■ Disagree   
 ■ Strongly Disagree



**Comments and Suggestions for Improvement:**

Module Name	Comments/Suggestions
1. Architecture: Advanced Software Application in Architecture	Most of the part was something we already knew. This should've been done last year or before that. Or something new should be introduced
	Could use example of real-world scenario and its working and advanced software skills!
2. Biotech: Medical Device Innovation	All over experience was awesome but there should be more course options for FSP.
3. Chemical Engineering: Process Integration & Automation in Chemical Industries	No comments
	There is no practical information which really help in future. Please give some real practical information about SCADA and Many Process not as Definition..
4. Civil Engineering Module 1: Matrix Analysis of Structures	It's a very interesting module, all the students should definitely give it a try, faculty was invested, made learning and understanding topics easy and helped the students all the time.
5. Civil Engineering Module 2: Environmental Engineering Design of Sewage Treatment Plant	Nothing
6. Civil Engineering Module 3: Field Outlook	Please take it seriously

in Civil Engineering Projects	
	Classes should've been conducted regularly
7. Civil Engineering Module 4: Structural Design of a Two Storey RC Building	Good
8. CSE, Module 1: Applied and Intelligent Computational Skills	Overall good experience
9. CSE, Module 2: Cyber Security and Integrity	Add some practical projects or labs
	Hope you will, create some more good opportunities like this for us As there were three faculties teaching in the FSP so they teach in their own way which was sometimes boring and sometimes interesting.
	There should have been more focus on latest tools and techniques with proper practical implementations.
10. CSE, Module 3: Image Processing Using MATLAB	The total duration of the FSP conducted is much less than the actual time assigned to it. So due to this we are not able to exposed with this module properly.
11. Electrical Engg, Module 1: Optimization in Power System Operation, Planning and, Application of FACTS Devices	Overall, It was a good session. So, No need for improvement.
12. Electrical Engineering Module 2 : Biomedical Signal and Image Processing using MATLAB/OCTAVE Platform	Good job
	Can do better
13. Electronics: Control and Automation	Nice
14. IT Engineering Module 1: Data Science for Beginners	Faculty was very supportive No such improvement required
	A project completion must be there at the end of the program
	It was a short duration course. Btw somehow learnt a lot in 15 days
	Duration should be a little longer. Because Data Science is something very vast, the more you explore the more you learn and the more you evolve, but overall it was good.
15. IT Engineering Module 2: Cyber Security	Nice course

	more practical knowledge will be helpful.
	Since it was online it was good. But instead of afternoon hours of teaching it should be conducted in the morning hours.
ME & AU: Applications & Modelling	Excellent Module
	Test was not conducted. It would be better if some test are taken.

**The full report is enclosed as Annexure-III (a), (b), (c)**

### **Item 6: To review the results of January-June 2021 semester examination**

- The house reviewed the following report regarding **results of January-June 2021 semester exams** which were conducted in online mode during this semester.

### **Summary of UG/PG Semester-Wise Result Analysis Report (July – 2020 to June – 2021)**

<b>Programme</b>	<b>Course (UG/PG)</b>	<b>Semester</b>	<b>Appeared</b>	<b>Pass</b>	<b>Percent age</b>
B.Tech. (I <sup>st</sup> Year)	<b>UG</b>	1 <sup>st</sup> (D.20)	1163	1105	95%
		2 <sup>nd</sup>	1150	1128	98%
B.Tech. (II <sup>nd</sup> Year)		3 <sup>rd</sup> (D.20)	945	892	94%
		4 <sup>th</sup>	1002	993	99%
B.E. (III <sup>rd</sup> Year)		5 <sup>th</sup> (D.20)	974	914	94%
		6 <sup>th</sup>	929	909	98%
B.E. (IV <sup>th</sup> Year)		7 <sup>th</sup> (D.20)	812	796	98%
		8 <sup>th</sup>	869	854	98%
B.Arch. (I <sup>st</sup> Year)		1 <sup>st</sup> (D.20)	37	37	100%
		2 <sup>nd</sup>	37	36	97%
B.Arch. (II <sup>nd</sup> Year)	3 <sup>rd</sup> (D.20)	38	35	92%	
	4 <sup>th</sup>	39	39	100%	
B.Arch. ((III <sup>rd</sup> Year)	5 <sup>th</sup> (D.20)	35	35	100%	
	6 <sup>th</sup>	36	36	100%	
B.Arch. (IV <sup>th</sup> Year)	7 <sup>th</sup> (D.20)	38	38	100%	
	8 <sup>th</sup>	38	38	100%	
B.Arch. (Final Year)	9 <sup>th</sup> (D.20)	38	38	100%	
	10 <sup>th</sup>	38	38	100%	
<b>Programme</b>	<b>Course (UG/PG)</b>	<b>Semester</b>	<b>Appeared</b>	<b>Pass</b>	<b>Percent age</b>
M.E. (I <sup>st</sup> Year)	<b>PG</b>	1 <sup>st</sup> (D.20)	25	24	96%
		2 <sup>nd</sup>	25	22	88%
M.E. (II <sup>nd</sup> Year)		3 <sup>rd</sup> (D.20)	22	20	91%
M.TECH. (I <sup>st</sup> Year)		1 <sup>st</sup> (D.20)	32	30	93.75%
		2 <sup>nd</sup>	32	32	100%
M.TECH. (II <sup>nd</sup> Year)	3 <sup>rd</sup> (D.20)	34	34	100%	

MUP (I <sup>st</sup> Year)	1 <sup>st</sup> (D.20)	13	12	92%
	2 <sup>nd</sup>	14	13	92%
MUP (II <sup>nd</sup> Year)	3 <sup>rd</sup> (D.20)	13	12	92%
MCA (I <sup>st</sup> Year)	1 <sup>st</sup> (D.20)	61	60	98.36%
	2 <sup>nd</sup>	61	61	100%
MCA (II <sup>nd</sup> Year)	3 <sup>rd</sup> (D.20)	19	19	100%
	4 <sup>th</sup>	20	20	100%
MCA (III <sup>rd</sup> Year)	5 <sup>th</sup> (D.20)	58	58	100%
	6 <sup>th</sup>	58	58	100%

**Item 7: Under the Flexible Curriculum Minors/honours degrees are awarded to students admitted in 2017-2021 batch, for the first time in Madhya Pradesh**

- The Dean Academics of the Institute has reported the house about Minors/honours degrees awarded to students admitted in 2017-2021 batch under Flexible Curriculum , following is the summary and list of beneficiaries:

Degree/Specialization	No. of students	Branch-wise Break-up
<b>B.Tech Degree with Minor Specialization in CSE</b>	<b>11 students</b>	<b>ME: 03, AU: 02, EC: 02 , ET:02, BT:02</b>
<b>B.Tech Degree with Honors</b>	<b>25 Students</b>	<b>ME:13, AU:01, IT:02, EE: 04, EC: 01, CSE:03, ET:01</b>

**List of Honors/ Minors Specialization (Passing out batch June – 2021)**

Sr. No.	Enrolment No.	Student Name	Credit Earned	Result
1	0901ME171108	Shubham Agrawal	20	Qualified for Honors
2	0901ME171107	Shraddha Shukla	20	Qualified for Honors
3	0901ME171011	Aman Singh Parihar	20	Qualified for Honors
4	0901AU171048	Ravi Kushwah	20	Qualified for Honors
5	0901ME171072	Prateek Arora	20	Qualified for Honors
6	0901ME171105	Shivank Namdeo	24	Qualified for Honors
7	0901ME171052	Manas Bilgaiya	20	Qualified for Honors
8	0901ME171106	Shivansh Chauriha	20	Qualified for Honors
9	0901ME171025	Ashish Kumar Patel	24	Qualified for Honors
10	0901ME171056	Mayank Kumar	24	Qualified for Honors
11	0901ME171016	Amrit Kumar Pandey	20	Qualified for Honors
12	0901ME171045	Kartik Karambelkar	20	Qualified for Honors
13	0901ME171017	Anand Kumar Singh	20	Qualified for Honors
14	0901ME171117	Utkarsh Singh Bais	20	Qualified for Honors
15	0901IT171061	Utkarsh Chouksay	20	Qualified for Honors
16	0901IT171053	Shivangi Mittal	25	Qualified for Honors
17	0901EE171067	Nitin Singh	22	Qualified for Honors
18	0901EE171071	Nivesh Matta	20	Qualified for Honors
19	0901EE171089	Rupali Gupta	20	Qualified for Honors
20	0901EE171103	Shivangi Shrivastava	21	Qualified for Honors
21	0901EC171058	Maruth Jain	20	Qualified for Honors
22	0901CS171007	Achal Shakywar	25	Qualified for Honors
23	0901CS171076	Parul Jain	21	Qualified for Honors

24	0901CS171104	Shreyansh Dubey	22	Qualified for Honors
25	0901ET171009	Arun Pratap Singh	24	Qualified for Honors
26	0901ME171064	Parag Maheshwari	21	Qualified for Minor Specialization in CSE
27	0901ME171101	Sapranshu Agrawal	30	Qualified for Minor Specialization in CSE
28	0901ME171118	Vasu Pandey	21	Qualified for Minor Specialization in CSE
29	0901AU171028	Harsh Arjeria	29	Qualified for Minor Specialization in CSE
30	0901EC171027	Aayushi Sikdar	21	Qualified for Minor Specialization in CSE
31	0901EC171089	Sachin Kumar Rajak	21	Qualified for Minor Specialization in CSE
32	0901AU171030	Hartima Brijwani	21	Qualified for Minor Specialization in CSE
33	0901bt171010	Jagrati Dhingra	21	Qualified for Minor Specialization in CSE
34	0901BT171005	Deepti Jain	24	Qualified for Minor Specialization in CSE
35	0901ET171036	Rahul Bhatia	22	Qualified for Minor Specialization in CSE
36	0901ET171038	Rishabh Sisodiya	26	Qualified for Minor Specialization in CSE
37	0901IT183D06	Piyush Gupta	12	Not Qualified for Honors

### Item 8: To review the NPTEL Local Chapter report: January – June 2021

- Prof. Praveen Bansal, Assistant Professor, Electrical Engineering, SPOC SWAYAM/NPTEL Local Chapter has briefed the house regarding following performance of Students and faculty in SWAYAM/NPTEL courses offered during January-April 2021:

### Report on Students Performance in NPTEL Courses Offered During January- April 2021

Total No. of Registrations	No of courses in which registration are made	No. of students appeared in exam	No. of students qualified exam					
			Elite Gold certificate	+ Elite +Silver certificate	Elite certificate	Successfully completed	No of toppers in various courses	Total students qualified exam
3000	114	2136	61	566	940	374	138	1941(91%)

### Report on Faculty Performance in SWAYAM/ NPTEL Courses Offered During Jan-April 2021

Total courses Registered	No of courses in which registration are made	No. of faculty appeared in exam	No. of faculty members qualified exam						
			Elite Gold certificate	+ Elite +Silver certificate	Elite certificate	Successfully completed	Total no. of faculty qualified exam	No of toppers in various courses	No. of Faculty members completed FDP courses
31	23	12	00	04	05	02	11	01	11

*The full report is enclosed as Annexure-IV*

### Item 9: To report about NSS activities conducted during Year 2020-21

- The Director of the Institute has briefed the house regarding conduction of following NSS activities during Year 2020-21:

Number of Activities	Number of Student Participants
15	927

#### 1. Distribution of Food items during COVID-19:



The N.S.S. unit is continuously helping the people who are facing any problem during COVID-19. A group of 123 students of NSS unit MITS were distributed the food items in different areas of Madhya Pradesh. Mr Dinesh Ahirwar with five students has distributed the food items near city center area during April to August. His work was appreciated by Gwalior Collector also with providing him the certificates.

**2. COVID-19 Information desired by HRM:**

National Service Scheme unit MITS with faculty members collected the information regarding COVID-19 protocol through online mode from the various villages.

**3. COVID-19 Awareness Programme:**

National Service Scheme unit MITS and IT Department organised online quiz on “COVID-19 Awareness” and also organised awareness programme near Gola Ka Mandir on 28/07/2020. 205 students/ volunteers of NSS unit MITS participated in the quiz and 25 students participated in awareness program near college campus area. Event is organized under supervision of Prof Kushboo Agarwal and Dr M K Sagar.

**4. Mahatma Gandhi Online Pratiyogita:**

National Service Scheme, Jiwaji University organized a district level online completion on “Mahatma Gandhi” on 02/10/2020. More than 100 students of NSS unit MITS participated. Mr Ritesh Tiwari 3<sup>rd</sup> year and Miss Ankita Singh 3<sup>rd</sup> year got the first and second position respectively.

**5. HIV-AIDS Jagrukta Abhiyan:**

Red ribbon club and National Service Scheme, Jiwaji University organized the district level online competition regarding HIV-AIDS on 19/12/2020. 67 students of NSS unit MITS participated.

**6. Matdata Jagrukta Abhiyan:**

National Service Scheme unit MITS and Electronics Engineering Department organised a quiz on “Matdata Jagrukta Abhiyan” on 25/01/2021. 100 students/ volunteers of NSS unit MITS participated in this event. Event is organized by Prof Deep Kishor Parsediya and Dr M K Sagar.

**7. Saarthi - The Way Forward**

National Service Scheme, MITS unit organized awareness cum interaction event namely "Saarthi - The Way Forward" under twinning arrangement with Delhi Technological University (DTU) under TEQIP-III on 31.01.2021. The Google Meet Link: [meet.google.com/ukh-oaqx-ram](https://meet.google.com/ukh-oaqx-ram)  
Total 67 students of NSS unit MITS participated in this event. This event was organized under supervision of Mr Pravin Bansal, Assistant professor, Electrical Engineering Department and Dr M.K.Sagar, NSS Program officer.

**8. Swachchhata Awareness Programme:**

National Service Scheme, MITS unit and Mechanical Engineering Department organised “Swachchhata Awareness Programme” for clean the different areas such as near gola ka mandir, city center etc. on 13/02/2021. 100 students/ volunteers of NSS unit MITS with programme officer participated in this event.

**9. Awareness on vaccination programme:**

National Service Scheme, MITS unit organized the vaccination awareness programme on 08/03/2021 and 102 students participated in this program.

**10. Awareness Program on COVID-19 and Distribution of Mask:**

National Service Scheme, MITS unit and Chemical Engineering Department organised a awareness programme on COVID-19. 101 students/ volunteers of NSS Unit participated in the rally on 13/03/2021. Students/ volunteers also distributed the masks to public. Programme is organized under supervision of Ms Swati Gupta.

**11. One Day Workshop on “Swachhata Action Plan 2020-21”:**

Government of India, Ministry of Youth Affairs & Sports and Regional Directorate of NSS, Bhopal, organized a one day workshop on “Swachhata Karya Yojana 2020-21” on 20/03/2021 at LNIPE, Gwalior. Ten volunteers of National Service Scheme, MITS unit participated under

supervision of Dr M K Sagar. After that NSS unit MITS organized the Swachchhata programme.

12. National Service Scheme unit MITS organised Seven Days Special Residential Camp (Rural) on “Public Cleanness, Public Health & Public Awareness” from 22<sup>nd</sup> – 28<sup>th</sup> March, 2021 at Vivekanand Needam, Mahalgaon, District Gwalior, Madhya Pradesh. Total 53 volunteers stay there and organised various events under supervision of Dr M K Sagar with all faculty coordinators branch wise.

13. **Seminar on “The contribution of Madhya Pradesh in India's freedom movement”**

National Service Scheme unit MITS and Electronics Engineering Department organised a seminar/ speech competition on “The contribution of Madhya Pradesh in India's freedom movement” on 15/06/2021. Total 26 students were participated.

14. **Yuva Shakti Corona Mukti Abhiyan:**

The **Chief Minister of Madhya Pradesh, Shri Shivraj Singh Chouhan**, addressed the student for “Corona Ankul Vyavhar avam Vaccination” through online mode under Yuva shakti Corona Mukti Abhiyan on 18/06/2021. Total 15 students participated through MITS Center and more than 50 students participated from home. Prof D Rashtogi, Mr Deepkishor Parsediya and Dr M K Sagar, NSS Program Officer were also be present during this program.

15. **Initiatives Towards Social Responsibility During Pandemic:**

National Service Scheme unit MITS and MITS Social Responsibility Club were take Initiatives towards Social Responsibility during Pandemic. In this programme Yoga, Pranayam & Meditation sessions were organized on daily basis from 10/05/2021 to July 2021 for reduces stress, controls anxiety, promotes emotional health, enhances self-awareness, lengthens attention span, may reduce age-related memory loss, and can generate kindness etc. The google meet link is <http://meet.google.com/tsg-sqop-dcp>. This programme was run under the supervision of Mr Deep Kishor Parsediya and Dr M K Sagar.

➤ **Dr. Nameesh Miglani**, General Secretary, Sunrise Technical Education Promotional Society, has suggested to conduct regular YOGA sessions as per AICTE guidelines.

➤ **Shri. Prashant Mehta, Member, Board of Governors** has suggested to organize camps for COVID-19 vaccination in the Institute and also emphasizes to ensure 100% vaccination of all eligible student, faculty & staff.

***The full NSS report is enclosed as Annexure-V***

➤ **Item 10: Initiatives taken for providing support and creating Covid awareness in society (In continuation to Item no 6 of previous meeting on 25th June 2021)**

➤ The Director of the Institute has briefed the house regarding conduction of various COVID-19 vaccination awareness and support activities in addition to the activities conducted by the NSS, following initiatives were taken by the institute as flows:

(i) The **Holistic Health Club** of the institute was very active during this period and initiated a vaccination awareness cum drive programme.

(ii) **The students prepared short videos and messages/appeals for motivating people to take part in the vaccination drive**, making good use of the various social media platforms like twitter and Instagram for dissemination among all stakeholders.

(iii) **These videos got more than 3000 views within two weeks** (till this report was being written).

(iv) Posters were displayed by the institute for creating awareness about vaccination at busy city crossings

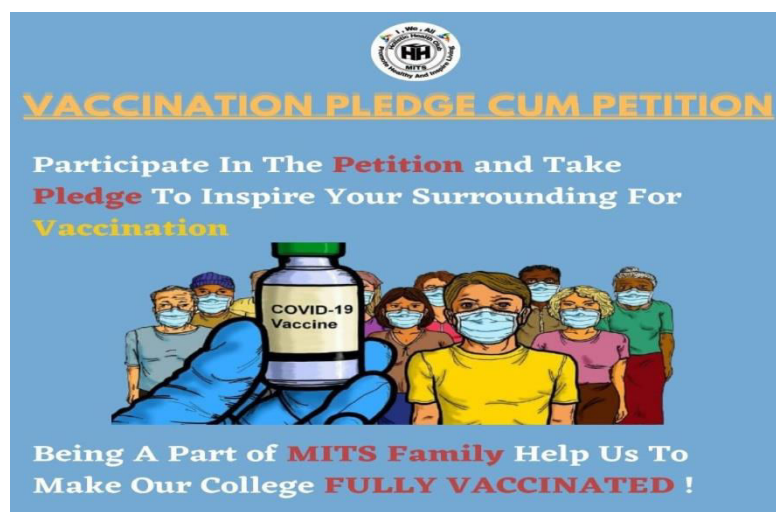
(v) Yoga & Pranayama Sessions: 63 numbers for 702 participants

(vi) Counselling Sessions: 09 sessions for 241 counselees

*(both v and vi are in continuation to “Item No 6: Initiatives taken for the society*

during the COVID Second Wave” reported in the previous IQAC meeting on 25<sup>th</sup> June 2021)

- (vii) **Second & Third free vaccination camps** were organized at MITS in collaboration with Rotary Club, Gwalior in the campus (a) on 28<sup>th</sup> June 2021; 69 people were vaccinated (b) on 5<sup>th</sup> July 2021: 70 were vaccinated.
- (viii) In view of COVID-19 pandemic, the following committee is constituted to **review the cases of students who have lost their parents due to COVID-19 and to recommend the possible support from the institute** for the affected students during the current academic year
- (ix) Other **student support initiatives** such as fee relaxation (*order no 97 dated 16.8.2021*) and helping students who lost their parents (*Order no 1630 dated 9.9.2021 & Order no DSW/726 dated 23.09.2021*) have also been taken post the second COVID wave.



No.: 97

Date: 16.08.2021

## सूचना

COVID-19 महामारी को ध्यान में रखते हुए छात्रों के हित में निम्नलिखित छूट/प्रावधान किए गये हैं।

- (i) जरूरतमंद/प्रभावित छात्र वार्षिक शुल्क तीन किश्तों में ऑनलाइन मोड (RTGS/NEFT) के माध्यम से या डिमांड ड्राफ्ट के माध्यम से मार्च 2022 तक जमा कर सकते हैं, जिसके लिए संबंधित छात्र अपना आवेदन संबंधित विभाग प्रमुख के माध्यम से आवश्यक दस्तावेजों के साथ रजिस्ट्रार कार्यालय में प्रस्तुत करें।

वार्षिक शुल्क का विवरण तीन किश्तों में निम्नानुसार है:-

Year	I Instalment (Rs.)	II Instalment (Rs.)	III Instalment (Rs.)
BE/B.Tech./B.Arch. II Year (Admission Year 2020-2021)	32,500	32,500	16,820
BE/B.Tech./B.Arch. III Year (Admission Year 2019-2020)	32,500	32,500	15,820
BE/B.Tech./B.Arch. IV Year (Admission Year 2018-19)	22,500	22,500	12,720
BE/B.Tech. (CE, EE, ME, Elex, CSE.) BE/B.Tech. IV Year (Admission Year 2018-19)	32,500	32,500	12,720
IT, CM, BT, ET, Auto B.Arch. V Year (Admission Year 2017-18)	22,500	22,500	10,370

- (ii) कोविड-19 के कारण ऑनलाईन कक्षाओं के संचालन की स्थिति में कम्प्यूटर शुल्क, पुस्तकालय शुल्क और गतिविधि शुल्क में निम्नानुसार छूट दी जाएगी:-

Mode of Classes	Admission Year	Computer fee (Rs.)		Library Fee (Rs.)		Activity fee (Rs.)	
		I Instalment	II Instalment	I Instalment	II Instalment	I Instalment	II Instalment
Online Mode	2020-21	0.00	750	0.00	750	0.00	1500
Offline Mode	(BE/ B.Tech./B.Arch.)	750*	750	750*	750	1500*	1500
Online Mode	2019-20	0.00	750	0.00	750	0.00	1500
Offline Mode	(BE/ B.Tech./B.Arch.)	750*	750	750*	750	1500*	1500
Online Mode	2018-19	0.00	500	0.00	500	0.00	1000
Offline Mode	(BE/ B.Tech./B.Arch.)	500*	500	500*	500	1000*	1000
Online Mode	2017-18	0.00	500	0.00	500	0.00	600
Offline Mode	(B.Arch.)	500*	500	500*	500	600*	600

\* ऑफलाइन कक्षाओं के संचालन की स्थिति में दूसरी किश्त के साथ देय होगी।

- (iii) शुल्क जमा करने की अंतिम तिथि (पहली किश्त) संबंधित अधिसूचना के अनुसार होगी।

उपरोक्त प्रावधान सामान्य स्थिति बहाल होने तक किया जाता है।

*G. P.*  
(डॉ. आर.के. पण्डित) 16.8.21  
निदेशक P.L.

प्रतिलिपि:

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

No.: 1630

Date: 09.09.2021

## ORDER

In view of COVID-19 pandemic, following committee is constituted to review the cases of students who have lost their parents due to COVID-19 and to recommend the possible support from Institute for the affected students during the current academic year:

- |                            |          |
|----------------------------|----------|
| (i) Dr. Rajeev Kansal      | Chairman |
| (ii) Dr. R S Jadon         | Member   |
| (iii) Dr. Pratesh Jayaswal | Member   |
| (iv) Dr. M K Sagar         | Member   |
| (v) Dr. Anshu Chaturvedi   | Member   |
| (vi) Dr. Spana Kumari      | Member   |

The committee will submit the recommendation after checking the probable aspects by 30<sup>th</sup> October 2021. The above committee is also authorized to call the applications from affected students due to loss of their parents as covid-19 consequences.

*G. P.*  
(Dr. R. K. Pandit) 9.9.21  
P.L. Director

Copy to:

- All Above Committee Members,
- Concerned HoD,
- Dean Academics,
- Dean Student Welfare,
- Registrar,
- HR Section,
- Account Section,
- Director office.

No.: DSW/726

Date: 23.09.2021

**NOTICE**

In compliance to order No. 1630 dated 09.09.2021 from the Director of the Institute for possible support to the students who have lost their parents as covid-19 consequences, affected students may submit the application along with supporting documents to the office of Registrar through concerned Head of the Department on or before 14.10.2021.

All said applications/ cases will be reviewed by the committee constituted for the purpose of partial possible support during current academic year to such students from the Institute after due approval of competent authority.



(Dr. R. Kansal)  
Dean Student Welfare

**The detailed report on Covid Initiatives & Student Support in Annexure- VI**

**Item 11: Initiatives taken to start academic activities in regular off-line mode**

- The Director of the Institute has appraised the house regarding State Government directives to open the Institute for Academic Activities in offline mode and following action taken for possible opening of Institute in Offline Mode:

—In order to start classes in regular mode, a committee has been constituted “to review the possibility of opening the institute and running offline classes fully or partially”.

—In view of this the committee has circulated a Google form to collect the latest vaccination status of students.

- **Vaccination status as on October 1st 2021:** A Google form is circulated to collect the information; 1161 students have responded so far (300 have got the first doze while 861 both dozes)

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

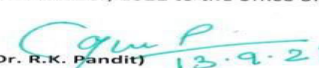
No. 1649 Date: 13.09.2021

**ORDER**

A committee of the following is constituted to review the possibility of opening the Institute and running offline classes fully or partially in the institute campus.

1. Dr. Akhilesh Tiwari	Chairman
2. Dr. R.S. Jadoun	Member
3. Dr. P.K. Singhal	Member
4. Dr. Manish Sagar	Member
5. Dr. Anjula Gaur	Member
6. Dr. Vijay Bhuria	Member
7. Prof. Prabhakar Sharma	Member

The committee will submit its report along with modalities and action plan latest by 21<sup>st</sup> October, 2021 to the office of the undersigned positively.

  
(Dr. R.K. Pandit) 13.9.21  
Director

Copy to:-

1. Dean (Academics)
2. Registrar
3. HR Section
4. Director office

**Item 12: Research Promotion Policy: to establish, promote and encourage a research culture in the institute: Review of the Innovative Research Scheme (IRS)**

- The IQAC Coordinator, has appraised the house about following initiative taken to promote Research & Innovation ecosystem in the Institute:
- Faculty members were motivated to submit research proposals to funding agencies.
- A list of possible funding agencies where proposal can be sent for getting research funding / fellowships /awards etc. was circulated to the departments for ready reference and for creating awareness
- Signing of MoUs/collaborations (National/International) with Industries and Higher Learning Institutes/Organizations (at least two in each category) by each department including Applied Sciences & Humanities department, is in process.
- The review of IRS projects sanctioned in March 2020 was conducted on 3<sup>rd</sup> September 2021 to evaluate the progress, find the outcomes and status of completion of the project.
- The institute has also formulated the norms and guidelines for launching “**Research Assistantship Scheme**”.

Status of Projects approved under Innovative Research Scheme (IRS-2020-21) for the duration of 1.5 Years											
Sr. No.	Name of PI /Co-PI	Title of Project	Sanctioned Amount NR	Procurement Status	Balance Amount in NR	Publications & Research Outcomes					Remarks
						SCI/SCIE	Scopus	Book Chapter	Ph.D. Ongoing	UG Project /PG thesis	
1.	Dr. M.K. Trivedi	Multi objective optimization in construction project using NAGA-III	75,000/-	Completed	250/-	01 01 (under review)	01	03	01	--	--
2.	Dr. Vandana Vikas Thakre & Dr. P.K. Singhal	Design & Analysis of High Gain Dual Polarized Base Station Antenna Array for 4G/5G application	1,76,000/-	Completed	53177/-	02 (communicated)	--	01	01	--	-
3.	Dr. Karuna Markam & Dr. Vikas Mahor	Design of High speed Non Volatile Memristor based SRAM Cell for cache memories	1,70,409/-	Completed	22,000/-	02 (Communicated)	--	--	--	--	--
4.	Dr. Laxmi Shrivastava & Prof. Saurabh Singh Raghuvanshi	Stress detection using EEG Signal	1,63,000/-	Partially Completed	88,498/-	02 (Communicated)	01	--	--	01	Co PI left in Jan. 2021

5.	Dr. Himmat Singh & Dr. Laxmi Srivastava	Multi objective optimal reactive power dispatch for distribution system	1,50,000/-	Completed	-4,152/-	--	01	01			
6.	Prof. Madhav Singh	IoT wireless sensor Network for Air Monitoring	1,70,000/-	Completed	71,064/-	Hardware based project. Real time monitoring system is developed (Working Model)					
7.	Prof. Vishal Chaudhary & Dr. Hari Mohan Dubey	Operational issues due to integration of renewable energy resources into the Power System	1,50,000/-	Completed	-4,152/-	----		01		01	Co PI left on May 21 <sup>st</sup> 2021
8.	Prof. Praveen Bansal	Design and Analysis of single phase shunt active power filters using multilevel inverters	1,67,200/-	Not initiated as single vendor has refused to deliver single items	1,67,200/-	01 published 02 (under review)	--	01 Conference paper presented			Worked using facilities at DTU, Delhi
9.	Prof. Aditya Kumar Agrawal	Development of Rationalized Water Quality Index	1,45,000/-	Not initiated Unavailability of items on GEM	1,45,000/-	---	02 (Communicated)	--	--	--	completed with existing institutional facilities

### Outcomes

- For the first time seed money was given to faculty members for research.
- The faculty members were exposed to the procedure to be followed for procuring research funding such as submission of proposal, procurement, paper communication and submission of audited statements of accounts/UCs etc.
- Procurement process was delayed due to the onset on COVID-19 almost immediately after the grant was given.
- The guidelines of funding agency further restricted the procurement process.
- During the 18-month validity of the project, there were two lockdowns due to the pandemic and about 4-5 months were thus lost.

***The full report is enclosed as Annexure-VII***

### **Item 13: Farewell to passing out batch 2021 in online mode on 3<sup>rd</sup> July, 2021 to maintain the tradition**

- The Dean Academics of the Institute has appraised the house regarding conduction of Farewell to passing out batch 2021 in online mode on 3<sup>rd</sup> July, 2021, following is the summery of the event:
- An emotional virtual farewell was bid to the passing out batch as a gesture of goodwill and bonding. The event was coordinated by Dr. Manish Dixit along with some students of the pre-final year.
- All the Final Year Class Coordinators, HoDs, Deans, Proctor and the Director marked their presence during the event.
- The event was held on webex

Joining Link:

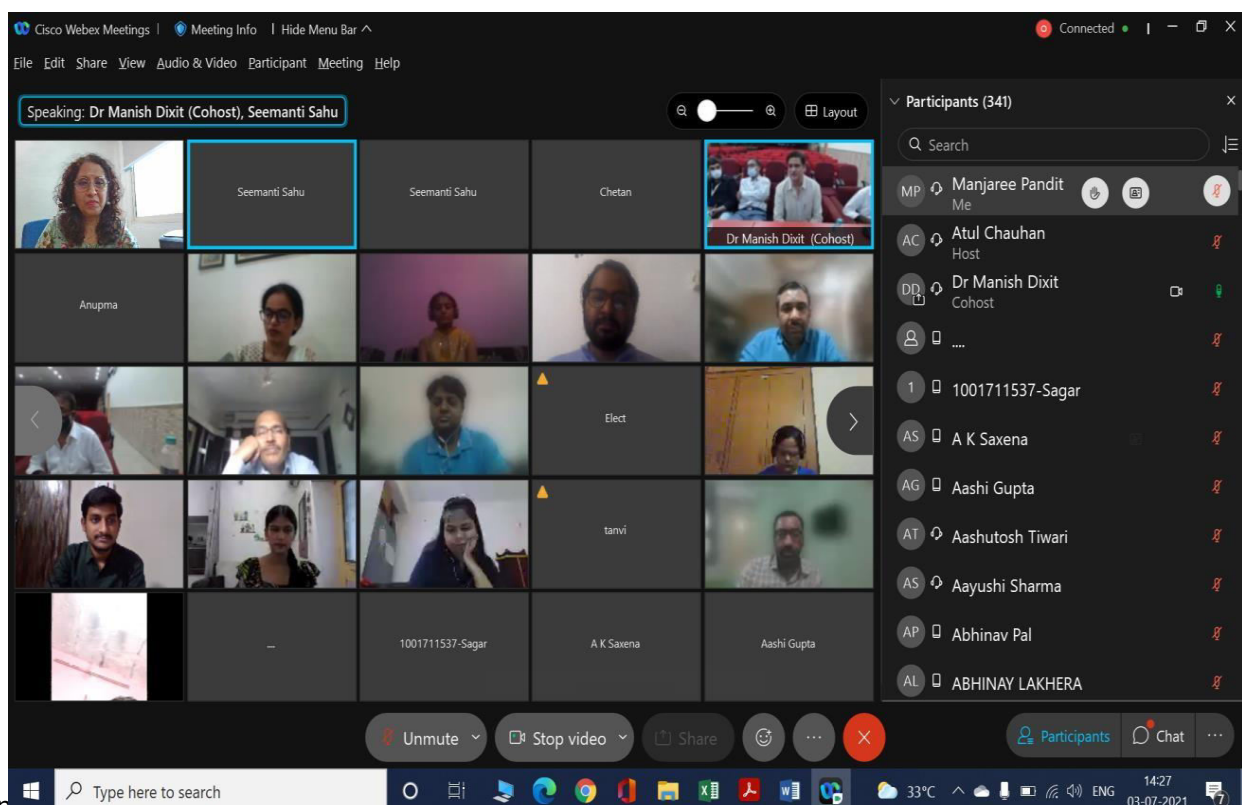
<https://madhav.webex.com/madhav/j.php?MTID=mae55e22b489a27a3478b8c071969ffd4>

Saturday, Jul 3, 2021 2:00 pm

Meeting number: 156 295 3174

Password: JDhWPd88HY2

- **Shri. Prashant Mehta, Member, Board of Governors** has suggested to organize Farewell in offline mode for the passing out batch 2022. **Shri. Prashant Mehta** also suggested to organize a Mega Event in the November 2022 as diamond jubilee was organized on the occasion of completion of 65 Years of Institute Establishment.





**Item 14: Conduction of staff training programme on “Python programming using Google Colab: an online Tool” during 27<sup>th</sup> and 28<sup>th</sup> June 2021 .**

- The Dean Academics of the Institute has appraised the house regarding conduction of staff training programme on “Python programming using Google Colab: an online Tool” during 27<sup>th</sup> and 28<sup>th</sup> June 2021:

S.No.	Name of Training Programme	Duration		No. of participate attended
		From	To	
1.	Staff Training Program	27/06/2021	28/06/2021	11

*The report of the Training program is enclosed as Annexure-VIII*

**Item 15: To apprise the House about approval/ sanction of 3 new UG Programmes**

- The IQAC Coordinator & Registrar of the Institute has appraised the house regarding approval of following three UG courses from AICTE to run these future skill courses w.e.f. 2021-22:
  - Artificial Intelligence (AI) and Data Science (Intake 60)
  - Artificial Intelligence and Machine Learning (Intake 60)
  - Computer Science and Design (Intake 60)

*The EoA is enclosed as Annexure-IX*

**Item 16: Courses conducted under the IIRS programme**

- The Dean Academics of the Institute has presented following report of Courses Conducted under IIRS Outreach Programme for Academic Year 2020 – 2021:
  - The Institute became a network institute of **Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization, Dehradun on 25.06.2020** and has since then been actively involved in participation of various courses conducted by IIRS under network outreach programme in Live & Interactive Modes.
  - A **total number of 22 courses** were held during the academic year 2020 – 2021.
  - Number of students of our institute, few faculty members (presently all are ex) of our institute, one lab staff member of our institute and some outside participants had registered in these courses and most of them have successfully completed and earned the certificates too, for some of the courses the certificates are still wait from IIRS.
  - The complete data of the course conduction for academic year 2020 – 2021 is mentioned below in the tables.

Table-1: Data Summary

Total No. of Courses completed	Total No. of Participants who registered in these courses	Total Participants who earned certificates
<b>22</b>	<b>217</b>	<b>130</b>

**Table 2. Course Wise Registration Data**

S. No.	Name of the Course	Duration	Total No. of Participants Registered	No. of Students of MITS who Registered	No. of Faculty Members (Ex) of MITS who Registered	No. of Staff Members of MITS who registered	No. of Outside Participants who Registered
1.	Satellite Photogrammetry & its Applications	29 June – 3 July 2020	31	30	01	00	00
2.	Application of <u>Geoinformatics</u> in Ecological Studies	13 – 24 July 2020	33	29	01	01	02
3.	Geospatial Inputs for Enabling master Plan formulation	27 – 31 July 2020	31	27	01	00	03
4.	Remote Sensing Applications in Agricultural Water Management	3 – 7 August 2020	18	18	00	00	00
5.	Remote Sensing & Digital Image Analysis	17 Aug – 11 Sep 2020	06	05	01	00	00
6.	Remote Sensing using GIS & Global Navigation Satellite System	17 Aug – 20 Nov 2020	20	18	01	00	01
7.	Global Navigation Satellite System	14 – 25 Sep 2020	11	10	00	00	01
8.	Understanding of Coastal Ocean Processes using Remote Sensing & Numerical Modelling	21 – 25 Sep 2020	07	06	00	00	01
9.	Geographical Information System	28 Sep – 15 Oct 2020	04	04	00	00	00
10.	Basics of <u>Geocomputation</u> & <u>Geoweb</u> services	19 – 29 Oct 2020	03	03	00	00	00
11.	RS & GIS Application	02 – 20 Nov 2020	09	09	00	00	00
12.	Remote Sensing of Land Degradation	01 – 07 Dec 2020	03	02	00	00	01
13.	Space Technology & its Applications (1-day Workshop)	11 Jan 2021	06	06	00	00	00
14.	Overview of geo-processing using Python	18 – 29 Jan 2021	03	03	00	00	00
15.	Satellite based Navigation: A Journey from GPS to Mobile phone platform	01 – 12 March 2021	08	08	00	00	00
16.	Geo-informatics for Disaster Management	05 – 16 April 2021	05	05	00	00	00
17.	GIS for Supply Chain Management	26 – 30 April 2021	03	03	00	00	00
18.	Webinar Series on Image Restoration and Processing of Optical Data	16, 23, 30 April 2021 & 07 May 2021	03	03	00	00	00
19.	Geospatial Technology for Archeological studies	17 – 28 May 2021	01	01	00	00	00
20.	ISRO Geoportal and Information Services- ISRO Inter centre (One day Workshop)	16 June 2021	01	01	00	00	00
21.	Earth Observation for Carbon Cycle Studies	21 – 25 June 2021	05	05	00	00	00
22.	Overview of Web GIS Technology	21 June – 02 July 2021	06	05	00	00	01
TOTAL	217	201	05	01	10		

**Table 3. Course Wise Certificate Earned Data**

S. No.	Name of the Course	Duration	Total No. of Participants who earned certificates	No. of Students of MITS who earned certificates	No. of Faculty Members (Ex) of MITS who earned certificates	No. of Staff Members of MITS who earned certificates	No. of Outside Participants who earned certificates
1.	Satellite Photogrammetry & its Applications	29 June – 3 July 2020	10	10	00	00	00
2.	Application of <u>Geoinformatics</u> in Ecological Studies	13 – 24 July 2020	08	08	00	00	00
3.	Geospatial Inputs for Enabling master Plan formulation	27 – 31 July 2020	19	18	01	00	00

**The report is enclosed in Annexure-X**

**Item 17: Brief Report of Online Classes (I Year, II Semester: 12<sup>th</sup> April 2020 to 23<sup>rd</sup> July 2021)**

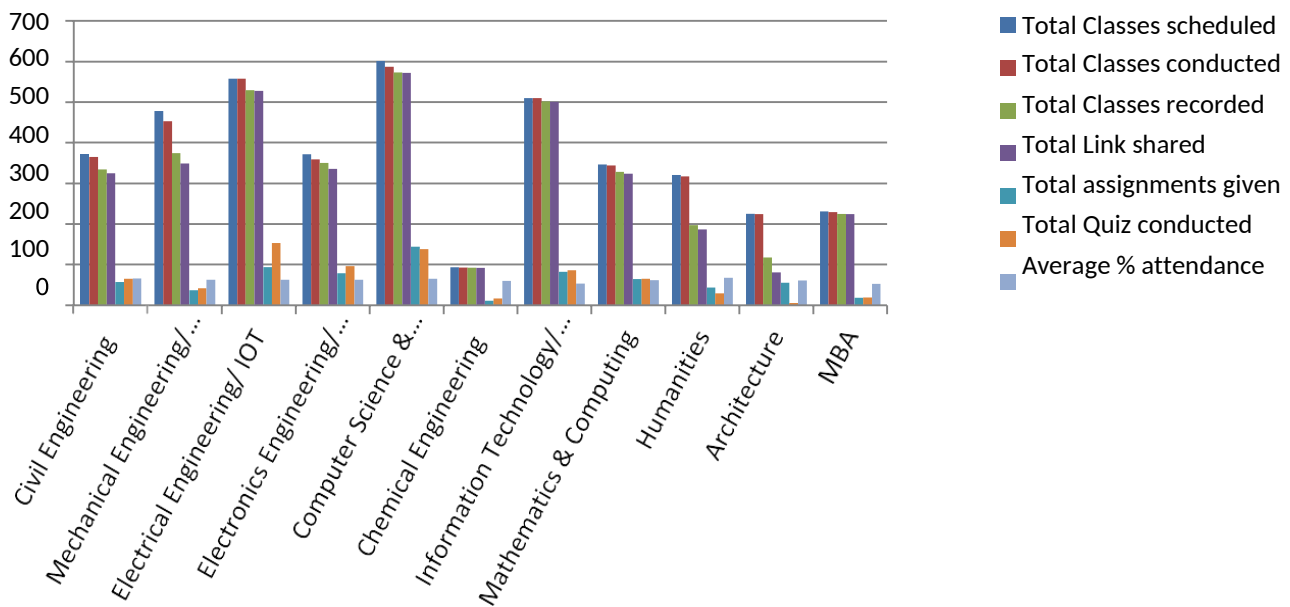
- The Dean Academics of the Institute has presented following report of Online Classes (I Year, II Semester: 12<sup>th</sup> April 2020 to 23<sup>rd</sup> July 2021):

**Brief Report of Online Classes (I Year, II Semester)**

**(Session : January-June 2021: 12th April 2021 to 23rd July 2021)**

Department	Total Classes scheduled	Total Classes conducted	Total Classes recorded	Total Link shared	Total assignments given	Total Quiz conducted	Average % attendance
Civil Engineering	371	365	334	325	57	65	65.87
Mechanical Engineering/	478	453	374	349	37	42	62.52
Automobile Engineering							
Electrical Engineering/ IOT	558	558	529	528	94	153	62.31
Electronics Engineering/ Electronics & Telecommunication Engineering	372	359	350	336	79	96	62.34
Computer Science & Engineering/ MCA	601	587	573	572	144	138	65.33
Chemical Engineering	94	93	92	92	11	17	60.18
Information Technology/ IOT/ AIR	510	510	502	501	82	86	53.54
Mathematics & Computing	347	344	328	324	64	65	62.20
Humanities	321	317	197	187	43	29	67.75
Architecture	225	224	117	81	55	6	60.78
MBA	231	229	224	224	18	19	52.59

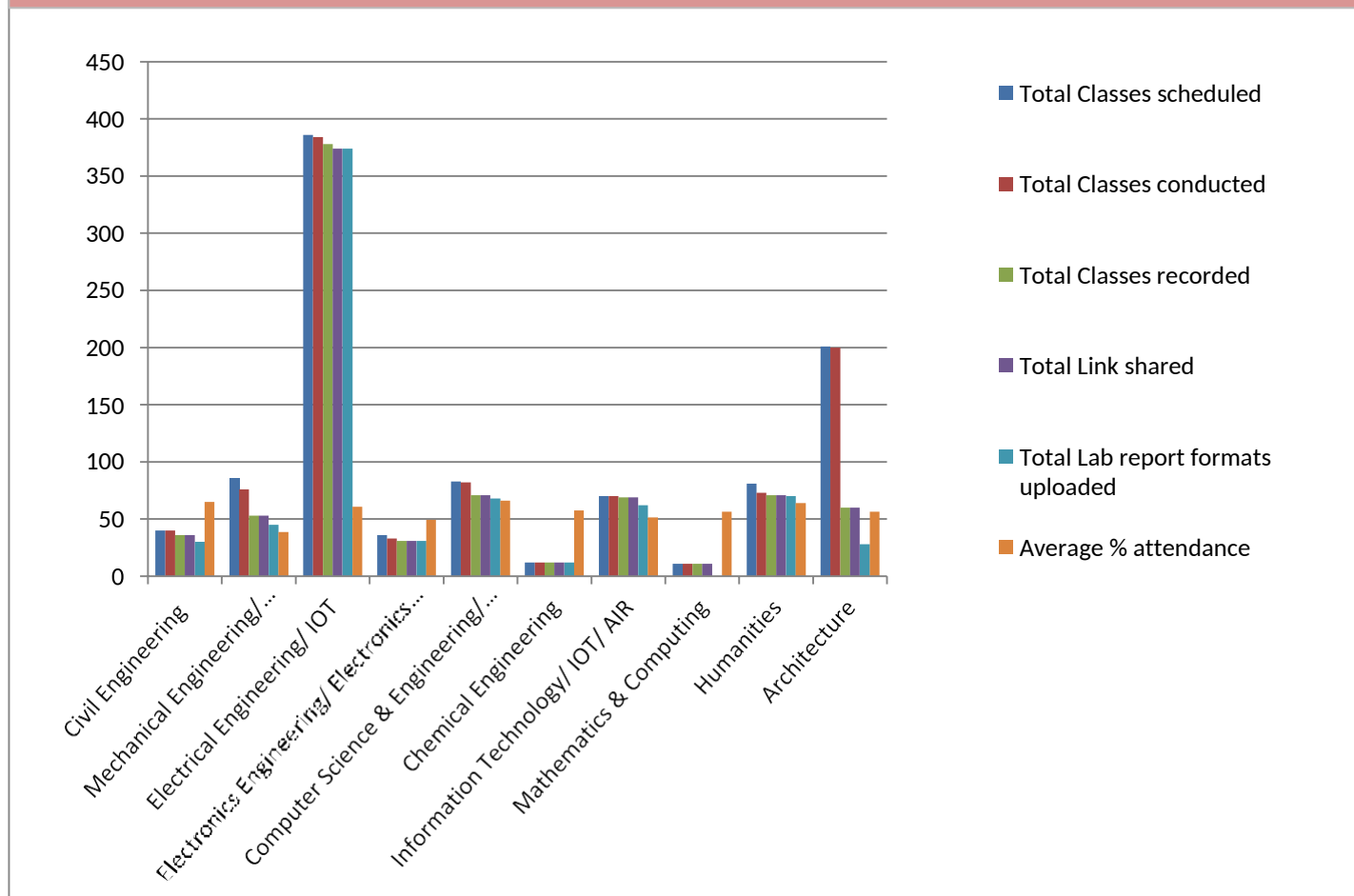
### Online Theory Classes (12 April to 23 July, 2021)



## Practical Classes

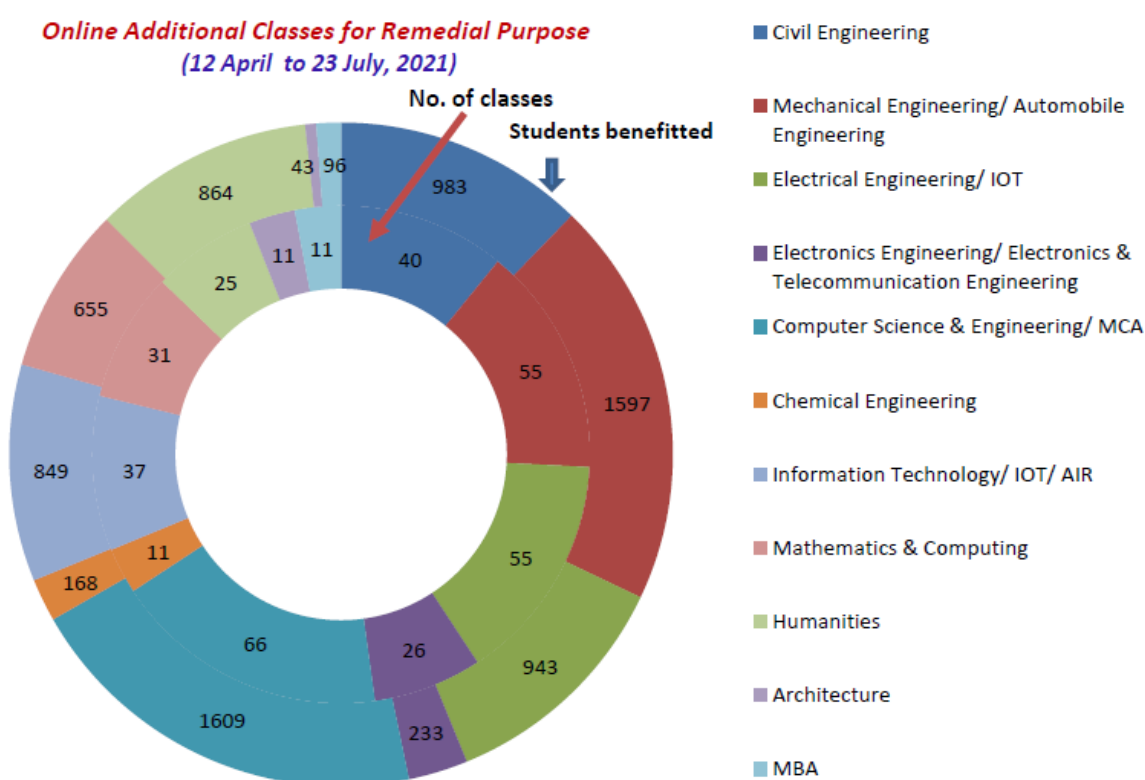
Department	Total Classes scheduled	Total Classes conducted	Total Classes recorded	Total Link shared	Total Lab report formats uploaded	Average % attendance
Civil Engineering	40	40	36	36	30	64.94
Mechanical Engineering/ Automobile Engineering	86	76	53	53	45	38.77
Electrical Engineering/ IOT	386	384	378	374	374	60.85
Electronics Engineering/ Electronics & Telecommunication Engineering	36	33	31	31	31	49.33
Computer Science & Engineering/ MCA	83	82	71	71	68	66.11
Chemical Engineering	12	12	12	12	12	57.69
Information Technology/ IOT/ AIR	70	70	69	69	62	51.47
Mathematics & Computing	11	11	11	11	0	56.42
Humanities	81	73	71	71	70	63.88
Architecture	201	200	60	60	28	56.46

### Online Practical Classes (12 April to 23 July, 2021)



## Additional Classes/Special classes for remedial purpose

Department	Total Classes <b>conducted</b>	Total number of students
Civil Engineering	40	983
Mechanical Engineering/ Automobile Engineering	55	1597
Electrical Engineering/ IOT	55	943
Electronics Engineering/ Electronics & Telecommunication Engineering	26	233
Computer Science & Engineering/ MCA	66	1609
Chemical Engineering	11	168
Information Technology/ IOT/ AIR	37	849
Mathematics & Computing	31	655
Humanities	25	864
Architecture	11	43
MBA	11	96
<b>Total</b>	<b>368</b>	<b>8040</b>



- **Mr. Vineesh Modi, Student representative in IQAC**, has suggested to increase the number of lab sessions per day. Mr. Modi has suggested to conduct two laboratory classes per day in place of existing one lab class per day.

**Item 18: Feedback conducted on institute MOODLE successfully in August 2021 (24<sup>th</sup> -25<sup>th</sup> August 2021) from the III & IV year students**

- The house reviewed the following report on Feedback conducted on institute MOODLE successfully in August 2021 (24<sup>th</sup> -25<sup>th</sup> August 2021) from the III & IV year students:

**Faculty Feedback Index -III & IV year (24-25 August 2021)**

S.No	Department Name	Response(%)	DFI	Total Faculty	Faculty (FFI>4)
1	Civil Engineering	46.1	3.88	19	7
2	Mechanical Engineering	38	3.9	25	11
3	Electrical Engineering	66.13	3.8	18	4
4	Electronics Engineering	53.35	3.82	16	6
5	Computer Science & Engineering	47.41	3.94	20	9
6	Computer Science & Engineering (MCA)	66	3.93	5	3
7	Information Technology	64	3.95	12	3
8	Chemical Engineering	66	3.92	10	5

*The report is enclosed in Annexure-XI*

**Item 19: Appreciation Letters to faculty members based on online Feedback for the I year, II Semester Teaching conducted during the COVID second wave**

- The Dean Academics of the Institute has appraised the house that, it has been a regular practice to issue appreciation letters to faculty members based on their two consecutive FFI values in the semester being greater than 4.

—The summary of appreciation letters issued so far is given below:

**FEEDBACK APPRECIATION LETTER SUMMARY**

Jan-June 2019	July-Dec 2019	Jan-June 2020	July- Dec 2020	Jan-June 2021
61	51	23	13+31 (44)	24+15 (39)

—Appreciation letters were issued to faculty members who were teaching the First Year during the second semester, on the basis of two feedbacks collected, during the session, as reported below.

—Out of the 83 faculty members, 17, i.e. 20% received appreciation during the COVID second wave.

—The full summary is also enclosed below. As per the approved practice, appreciation letters are issued when the FFI >4.0 in both the feedbacks and responses received are not less than about 50%.

—The summary/analysis of First Year, II Semester, Feedback-II conducted on **19 & 20, May, 2021** was presented in the previous meeting on 25<sup>th</sup> June 2021.

**SUMMARY : First Year, II Semester, Feedback-II (22 & 23, June, 2021)**

First Year (II Sem) II Mid Sem	Registered Students	Link Sent	No. of Responses	Response (%)	(>4)	(>3 or <4)	(<3)	Total Faculty Involved	Received Appreciation (%)	Received Improvement (%)
UG B.Tech.	1181	1138	769	67.57	35	37	1	73	47.95	1.37
UG Arch.	37	37	36	97.30	10		1	11	90.91	9.09
MCA	63	61	49	80.33	5			5	100.00	0.00
MBA	18	15	10	66.67	6	2		8	75.00	0.00
PG Engineering	57	55	29	52.73	30	1		31	96.77	0.00
<b>Average</b>				<b>72.92%</b>						

**(First Year B.Tech (II Sem) (Session: April 2021 to July 2021)  
(Online Feedback-I in May 2021 & Feedback-II in June 2021))**

<b>Appreciation</b>					
S. No.	Name of Department	Name of Faculty/Course Name with Code	FFI-I	FFI-II	Average
1	<b>Mechanical Engineering</b>	Prof. Shahnawaz Ahmed (Basic Computer Engineering/100023)	<b>4.20</b>	<b>4.18</b>	<b>4.19</b>
2	<b>Automobile Engineering</b>	Prof. Saurabh Rajput (100022_Basic Electrical and Electronics Engineering)	<b>4.05</b>	<b>4.03</b>	<b>4.04</b>
3	<b>Electrical (Internet of Things)</b>	Prof. Prabhakar Sharma (OOPS-230203)	<b>4.35</b>	<b>4.34</b>	<b>4.35</b>
4		Prof. Aparajita Kumari (Sensor Technology-220202)	<b>4.14</b>	<b>4.26</b>	<b>4.20</b>
5		Dr.A.K.Wadhvani (Sensor Technology-220202)	<b>4.18</b>	<b>4.19</b>	<b>4.19</b>
6		Prof. Saumil Maheshwari (Data Structure-230202)	<b>4.32</b>	<b>4.40</b>	<b>4.36</b>
7		Dr. Vikram (Digital Logic and Circuit design-220201)	<b>4.32</b>	<b>4.41</b>	<b>4.37</b>
8		Prof. Umesh Guramwar (Technical English-100016)	<b>4.15</b>	<b>4.44</b>	<b>4.30</b>
9	<b>Electronics Engineering</b>	Dr. Sandeep Sharma (140211 Electronic Devices)	<b>4.13</b>	<b>4.12</b>	<b>4.13</b>
10		Dr. Hemant Choubey (100015 Energy, Environment, Ecology & Society)	<b>4.02</b>	<b>4.07</b>	<b>4.05</b>
11	<b>Chemical Engineering</b>	Prof. Angad Singh Ojha (100011: Engineering Mathematics - I)	<b>4.10</b>	<b>4.23</b>	<b>4.17</b>
12	<b>Chemical Engineering</b>	Prof. Anish P. Jacob (170211: Chemical Process Calculations)	<b>4.39</b>	<b>4.28</b>	<b>4.34</b>
13		Dr. Manish Kumar Sagar (100014: Engineering Graphics)	<b>4.21</b>	<b>4.40</b>	<b>4.31</b>
14		Dr. Shourabh Singh Raghuwanshi (100015: Energy, Environment, Ecology & Society)	<b>4.34</b>	<b>4.51</b>	<b>4.43</b>

15		Prof. Umesh Gurumwar (100016: Technical English)	4.42	4.43	4.43
16	<b>Information Technology (Internet of Things)</b>	Prof. Saumil Maheshwari , Subject: Data Structure(230212)	4.24	4.16	4.20
17		Prof. Rahul Sejwal, Subject: Sensor Technology(220202)	4.28	4.17	4.23

## FACULTY FEEDBACK SUMMARY

(First Year B.Tech./B.Arch. (II Sem) (Session - April 2021 to July 2021) (Online First FFI, May 2021 & Second FFI, June 2021))

### Faculty Members Issued Letters Appreciation (If FFI > 4 & Responses > 50%) & Improvement (< 3)

Name of Faculty with Course	Responses	Feedback - I	Responses	Feedback - II	Average	
<b>Civil Engineering</b>						
Prof. Gautam Bhadoria / 100020: Basic Civil Engineering and Mechanics	<b>80/138</b>	<b>3.96</b>	<b>19/138</b>	<b>3.87</b>	<b>3.92</b>	
Dr. Sanjay Tiwari / 100020: Basic Civil Engineering and Mechanics		<b>4.32</b>		<b>4.02</b>	<b>4.17</b>	
Dr. Prachi Singh /110211: Building Planning and Design		<b>3.95</b>		<b>3.85</b>	<b>3.90</b>	
Dr. Nitin Upadhyay /100021: Basic Mechanical Engineering		<b>3.32</b>		<b>3.75</b>	<b>3.54</b>	
Prof. Kuldeep Swarnkar / 100022: Basic Electrical and Electronics Engineering		<b>4.18</b>		<b>4.12</b>	<b>4.15</b>	
Prof. Tarun Shrivastava / 100022: Basic Electrical and Electronics Engineering		<b>3.97</b>		<b>4.04</b>	<b>4.01</b>	
Prof. Arun Kumar / 100023: Basic Computer Engineering		<b>3.97</b>		<b>4.16</b>	<b>4.07</b>	
<b>Mechanical Engineering</b>						
Dr. S. Chourasia (Material Science/120211)	<b>107/134</b>	<b>3.04</b>	<b>100/134</b>	<b>3.30</b>	<b>3.17</b>	
Prof. Renuka Darshyamkar (Basic Civil engineering & Mechanics/100020)		<b>3.21</b>		<b>3.45</b>	<b>3.33</b>	
Prof. Pratibha Singh (Basic Civil engineering & Mechanics/100020)		<b>3.75</b>		<b>3.74</b>	<b>3.75</b>	
Dr. C. S. Malvi (Basic Mechanical Engineering/100021)		<b>4.00</b>		<b>3.96</b>	<b>3.98</b>	
Prof. Nipun Gupta ME-A (Basic Electrical and Electronics/100022)		<b>3.63</b>		<b>51/68</b>	<b>3.68</b>	<b>3.66</b>
Prof. Punjan Dohare ME-B (Basic Electrical and Electronics/100022)		<b>3.79</b>		<b>49/66</b>	<b>4.07</b>	<b>3.93</b>



Prof. Shahnawaz Ahmed (Basic Computer Engineering/100023)		<b>4.20</b>	<b>100/134</b>	<b>4.18</b>	<b>4.19</b>
<b>Automobile Engineering</b>					
Dr. Surendra Chaurasiya (190211_Material Science)	<b>26/29</b>	<b>3.63</b>	<b>27/30</b>	<b>3.53</b>	<b>3.58</b>
Prof. Renuka Darshyamkar (100020_Basic Civil Engineering and Mechanics)		<b>3.57</b>		<b>3.59</b>	<b>3.58</b>
Dr. Pratibha Singh (100020_Basic Civil Engineering and Mechanics)		<b>3.58</b>		<b>3.57</b>	<b>3.58</b>
Dr. C S Malvi (100021_Basic Mechanical Engineering)		<b>3.90</b>		<b>3.93</b>	<b>3.92</b>
Prof. Saurabh Rajput (100022_Basic Electrical and Electronics Engineering)		<b>4.05</b>		<b>4.03</b>	<b>4.04</b>
<b>Name of Faculty with Course</b>		<b>Responses</b>		<b>Feedback - I</b>	<b>Responses</b>
Prof. Shahnawaz Ahmad (100023_Basic Computer Engineering)		<b>3.79</b>		<b>3.83</b>	<b>3.81</b>
<b>Electrical Engineering</b>					
Prof. A.K. Dwivedi (100020 Basic Civil Engineering)	<b>59/140</b>	<b>3.27</b>	<b>103/140</b>	<b>3.72</b>	<b>3.50</b>
Prof. Sharad Agrawal (100021 Basic Mechanical Engineering)		<b>3.76</b>		<b>3.94</b>	<b>3.85</b>
Prof. Vishal Chaudhary (100022 Basic Electrical Engineering)		<b>3.97</b>		<b>4.10</b>	<b>4.04</b>
Dr Jyoti Shukla (100022 Basic Electrical Engineering)		<b>3.63</b>		-	<b>3.63</b>
Dr Hemlata Shakya (100022 Basic Electrical Engineering)		-		<b>3.63</b>	<b>3.63</b>
Prof. Shailendra Pratap Singh (100022 Basic Electrical Engineering)		-		<b>3.82</b>	<b>3.82</b>
Prof. Mir Shahnawaz Ahmad (100023 Basic Computer Engineering)		<b>4.13</b>		<b>4.22</b>	<b>4.18</b>
Prof. Shweta Kumari (130211 Engineering Material)		<b>3.74</b>		<b>4.00</b>	<b>3.87</b>
Prof. Rakesh Narvey (130211 Engineering Material)		<b>3.36</b>		-	<b>3.36</b>
<b>Electrical (Internet of Things)</b>					
Prof. Prabhakar Sharma (OOPS-230203)	<b>55/68</b>	<b>4.35</b>	<b>51/68</b>	<b>4.34</b>	<b>4.35</b>
Prof. Aparajita Kumari (Sensor Technology-220202)		<b>4.14</b>		<b>4.26</b>	<b>4.20</b>
Dr.A.K.Wadhvani (Sensor Technology-220202)		<b>4.18</b>		<b>4.19</b>	<b>4.19</b>
Prof. Saumil Maheshwari (Data Structure-230202)		<b>4.32</b>		<b>4.40</b>	<b>4.36</b>
Dr.Vikram (Digital Logic and Circuit design-220201)		<b>4.32</b>		<b>4.41</b>	<b>4.37</b>

Prof. Umesh Guramwar (Technical English-100016)		4.15		4.44	4.30
<b>Electronics Engineering</b>					
Prof. D. K. Mishra (100011 Engineering Mathematics – I)	85/140	3.78	85/137	4.02	3.90
Dr. Sandeep Sharma (140211 Electronic Devices)		4.13		4.12	4.13
Prof. Deep Kishore Parsediya (140212 Engineering Materials)		3.94		4.12	4.03
Dr. Hemant Choubey (100015 Energy, Environment, Ecology & Society)		4.02		4.07	4.05
Dr. Valiur Rahaman (100016 Technical English)		3.16		3.16	3.16
<b>Electronics &amp; Telecommunication Engineering</b>					
Dr. Santosh Bhardwaj (100011 Engineering Mathematics – I)	28/69	3.89	56/69	4.03	3.96
Prof. Shambhu Kumar (100015 Energy, Environment, Ecology & Society)		3.48		3.63	3.56
<b>Name of Faculty with Course</b>	<b>Responses</b>	<b>Feedback - I</b>	<b>Responses</b>	<b>Feedback - II</b>	<b>Average</b>
Dr. Valiur Rahman (100016 Technical Language)		3.17		2.98	3.08
Prof. Madhav Singh (200211 Electronic Devices)		3.44		3.81	3.63
Dr. Hemant Choubey (200212 Engineering Materials)		3.80		3.91	3.86
<b>Computer Science &amp; Engineering</b>					
Dr. Rakesh Singh Subjectname & code: Maths-1 (100011)	42/138	3.61	77/138	3.56	3.59
Prof. Sheo Kumar Subname & code: Data structures (150211 )		3.70		3.73	3.72
Prof. Mir Shahnawaz Subject name & code: Object-Oriented Programming & Methodology (150212)		3.96		3.95	3.96
Prof. Julie Kumari subject name & code: Digital Electronics (150213)		3.84		3.80	3.82
Dr. Sanjeev Khanna, Subject name & code: Technical language (100016)		3.45		3.52	3.49
<b>Chemical Engineering</b>					
Prof. Angad Singh Ojha (100011: Engineering Mathematics - I)	35/36	4.10	35/36	4.23	4.17
Prof. Anish P. Jacob (170211: Chemical Process Calculations)		4.39		4.28	4.34
Dr. Manish Kumar Sagar (100014: Engineering Graphics)		4.21		4.40	4.31

Dr. Shourabh Singh Raghuwanshi (100015: Energy, Environment, Ecology & Society)		4.34		4.51	4.43
Prof. Umesh Gurmwar (100016: Technical English)		4.42		4.43	4.43
<b>Information Technology</b>					
Prof. J. K. Mutele (Engineering Mathematics –I : 100011)	03/69	4.77	51/69	3.87	4.32
Prof. Dheeraj Gurjar (Data Structures- 160211)		3.60		-	3.60
Prof. Abhishek Dixit (Data Structures- 160211)		-		4.10	4.10
Prof. Namrata Agarwal (Object Oriented Programming and Methodology-160212)		3.43		4.01	3.72
Prof. Sanjeev Khanna (Technical Language-100016)		4.07		4.00	4.04
Prof. Punit Kumar Johari (Digital Electronics-160213)		3.74		3.75	3.75
<b>Information Technology (Internet of Things)</b>					
Prof. Neha Bharadwaj, Subject: Digital Logic Design(230201)	38/69	3.94	43/69	3.56	3.75
Prof. Dheeraj Gurjar, Subject:Object Oriented Programming & Methodology(160212)		3.94		3.99	3.97
<b>Name of Faculty with Course</b>	<b>Responses</b>	<b>Feedback - I</b>	<b>Responses</b>	<b>Feedback - II</b>	<b>Average</b>
Prof. Saumil Maheshwari , Subject:Data Structure(230212)		4.24		4.16	4.20
Prof. Rahul Sejwal, Subject: Sensor Technology(220202)		4.28		4.17	4.23
Prof. Valiur Rahaman, Subject:Technical English(100016)		3.30		3.55	3.43
<b>Information Technology (Artificial Intelligence and Robotics)</b>					
Prof. Shweta Patel(Data Structures- 230202)	37/60	3.52	60/68	3.41	3.47
Prof. Sanjiv Sharma(Object Oriented Programming and Methodology- 230203)		4.24		3.76	4.00
Prof. Punit Johari(Digital Logic Design-230201)		3.68		3.57	3.63
Prof. Garima Singh(Language Lab- 100017)		3.72		3.70	3.71
Prof. Bhavna Rathore(Sensor Technology-220202)		4.10		3.89	4.00
<b>Mathematics and Computing</b>					
Prof. Anjula Mahto: Computer Organization & Logic Design (250201)	45/45	3.77	62/42	4.11	3.94

Dr. V P Shinde Differential Equations (250202)		<b>3.94</b>		<b>3.88</b>	<b>3.91</b>
Prof. Prabhakar Sharma : Object Oriented Programming & Methodology (250203 )		<b>4.53</b>		<b>4.46</b>	<b>4.50</b>
Dr. D K Jain: Linear Algebra (250204)		<b>4.58</b>		<b>4.50</b>	<b>4.54</b>
Dr. Garima Singh: Technical Language 100016		<b>3.76</b>		<b>4.03</b>	<b>3.90</b>
<b>Architecture</b>					
Prof. Shweta Singh (Architectural Design - II 210201)	<b>07/37</b>	<b>4.24</b>	<b>36/37</b>	<b>4.39</b>	<b>4.32</b>
Prof. Anmol Gupta (Architectural Design - II 210201)		<b>4.31</b>		<b>4.48</b>	<b>4.40</b>
Prof. Shweta Singh (Building Construction 210202)		<b>4.49</b>		<b>4.54</b>	<b>4.52</b>
Prof. Sanyam Bahga (Building Construction 210202)				<b>4.00</b>	<b>4.00</b>
Prof. Ankit Kumar (Graphics - II 210203)		<b>4.90</b>		<b>4.61</b>	<b>4.76</b>
Prof. Geetika Jha (Graphics - II 210203)		<b>4.43</b>		<b>4.41</b>	<b>4.42</b>
Prof. Geetika Jha (History of Architecture 210205)		<b>4.44</b>		<b>4.42</b>	<b>4.43</b>
Dr. Sanjay Singh Jadon (Work Shop II 210207)		<b>4.10</b>		<b>4.22</b>	<b>4.16</b>
Prof. Harshita Mishra (Work Shop II 210207)		<b>4.60</b>		<b>4.54</b>	<b>4.57</b>
Dr. Hemant Shrivastava (Structure - II 210208)		<b>2.35</b>		<b>2.67</b>	<b>2.51</b>
Prof. Versha Sinha (TOD - 210206)				<b>4.49</b>	<b>4.49</b>

### SAMPLE- FFI CALCULATION

Computer Science and Engineering : B.E. I Year (2nd Semester) (Session - April 2021 to July 2021)						
1. Dr. Rakesh Singh Subjectname & code: Maths-1 (100011)						
SUMMARY SHEET (Faculty Feedback from Students after Mid Sem Test II) [Registered : 138, Link Sent : 138] Sample Size : 77						
Attributes	Excellent	Very Good	Good	Average	Below Average	Performance Index
The on-line classes which started from 12th April are conducted regularly	14	27	32	4	0	3.66
The online classes were useful to you	9	20	34	13	1	3.30
The PPTs/notes and other relevant study material was shared in timely manner (Availability of study material)	11	21	29	14	2	3.32
The quality of recorded lectures	16	21	30	10	0	3.56
Additional classes conducted for remedial purpose	16	20	31	9	1	3.53
The assignments helped you in learning	15	27	27	8	0	3.64
The weekly quiz conducted has motivated you to revise	15	32	22	7	1	3.69
The teacher was in general considerate and helpful	14	27	28	8	0	3.61
The efforts made by the teacher (under present constraints due to COVID-19)	21	22	28	6	0	3.75
Overall rating of the course covered so far	12	27	29	9	0	3.55
Faculty Feedback Index (FFI) (on a scale of 5) (5: Excellent, 4: Very Good, 3: Good, 2: Average, 1: Below Average)						3.56
<b>Comments:</b>						
1. Points of Appreciation :		Classes are conducted regularly, Assignments help in learning, Weekly quiz conducted, General considerate and helpful, Efforts made by the teacher,				
2. Points of Improvement :		Classes are useful, Availability of study material in timely,				
Dr. Rakesh Singh		Head of the Department			Director	
Month - June, 2021						

Agenda

**Item 20: MoU signed: Partnership of MITS-NPTEL Local Chapter with IIT-Madras Chapter for BSc Diploma**

- Prof. Praveen Bansal, Assistant Professor, Electrical Engineering, SPOC SWAYAM/NPTEL Local Chapter has briefed the house regarding **Merit-cum-means Scholarship from IIT Madras for diploma courses in data science along with full time degree programmes.**

— IIT Madras has launched Diploma programs in the areas of **Programming and Data Science** in June 2020 and more than 10,000 students who were enrolled in a full-time on-campus degree are simultaneously enrolled and studying in these programs to obtain this diploma from IIT Madras.

— IITM invited the NPTEL Local Chapters to participate in this and offered to extend full scholarships to 2 students (more numbers will be considered based on the availability of funds) coming from economically disadvantaged backgrounds with family income <= 5LPA.

**Item 21: Setting up Mini Recording Studios at department Level: Report on MOOC development**

- The Director of the Institute has appraised the house that the institute aims to speed up the MOOC development and in order to augment digital teaching facilities and digital content development by faculty.
- In order to accomplish the same, a Mini recording studio has been established in the department of Electrical Engineering. Training was given to the faculty members on use of the equipment for MOOC development at the department level on **7<sup>th</sup> September 2021** at 3.00 PM.
- The House appreciated the development of mini recording room and suggested to develop such recording rooms in each department.
- The status of MOOC development at the Central Digital Studio is as below:

Status of MOOCs development

S. No.	Course title	Course Code	Category (DE/OC/MC)	Offered in semester	Name of Faculty	% Syllabus Completed
1	Cyber Security	100004	MC	IV	Ms. Shweta Patel	90%
2	<b>Python Programming</b>	<b>900107</b>	<b>OC</b>	<b>VI</b>	<b>Mr. Arun Kumar</b>	<b>Completed</b>
3	<b>Introduction to Computer Programming</b>	<b>230102</b>	<b>MC</b>	<b>I</b>	<b>Mr. Mohit Jain and Mr. Mir Shahnavaz Ahmad</b>	<b>Completed</b>
4	Embedded Systems	900105	OC	VI	Dr. Vikas Mahor	80%
5	Numerical Methods in Engineering	110614	OC	VI	Dr. Pankaj Kumar	40%
6	<b>Solar PV System: Design &amp; Economics</b>	<b>130614</b>	<b>DE</b>	<b>VI</b>	<b>Mr. Saurabh Kumar Rajput</b>	<b>Completed</b>
7	Industrial Automation	130612	DE	VI	Mr. Manoj Kumar	60%

**The report of mini-recording studio is enclosed as Annexure-XII**

## Item 22: Report on the implementation of the Internship/Project course at the VIII semester

- The Dean Academics of the Institute has briefed the House that, the institute started offering full semester off campus internship/project course at the VIII semester since last year, for the 2017-2018 admitted batch of students who graduated in 2020-2021. The report will be evaluated in the next academic audit and will be presented with impact analysis.

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

**Minutes of Meeting** Date: 03.09.2021

A meeting was held with T&P Officer and Internship Coordinators of all Departments regarding briefing on updates in six months Internship Policy for 2022 graduated batch.  
The meeting was conducted under the instructions and guidance of Dean Academics.

**The agenda was:**

1. To brief all Internship coordinators to prepare report of 2021 graduated batch
2. To brief about policy and procedure for the same for next upcoming batch (2022 Graduated batch)
3. To keep same evaluation system in all departments
4. To enhance the Industry interaction and to measure the effectiveness of the program

**The following points were discussed in the meeting:**

1. A briefing was given to all Internship coordinators to prepare **report on six months internship/projects completed for 2021 graduated batch.**
2. A **same format** was discussed to prepare the report which was an extension of previous excel sheet format.
3. Previous **excel sheet format was discussed and updated** with few more important points and finalized for all departments. (Attached with the updated six month internship policy of this year 2021-22)
4. There will be inclusion of **mandatory Three FPR and one Mid-term evaluation** followed by final end semester evaluation.
5. It was discussed to **keep same evaluation system** as per the format and policy. End same grades/marks should be given as per the exam rules.
6. It was discussed to **enhance the industry interaction by keeping the Industry mentors contact details** and to be in touch with them through students only for future perspectives of Internship, **Projects, Problems, Expert lecturers etc.**
7. All coordinators have been asked to **arrange a briefing session in their respective department** to guide students well in advance and to inform them regarding policy with Important dates.
8. All faculties were asked to keep an eye on **outstanding achievements or work/projects done during internship/projects** and to note down them to showcase in departments.
9. It was again clarified that students who are doing projects, **it will be compulsory to publish a paper** on their work under their faculty mentors.
10. Also, it was clarified that, students will NOT get NOC for Internship if it is for less than **Four month (120 days). Internship completion certificate will also be accepted only if there will be of total 120 days.** Maximum can be six months or more.
11. Last, as it is a requirement of every accreditation processes, coordinators were asked to **keep Last Five Years Internship data ready** along with soft copies of their certificates or reports submitted in departments. It was discussed to keep a folder (open & accessible through link) in drive to provide link along with the list of students.

The meeting was closed with the vote of thanks.

(Prof. Puneet K. Nema)      (Prof. Kastubh Khot)      (Prof. Lav Upadhyay)      (Dr. Deepak Bathm)

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(Dr. Vikram)      (Dr. Prachi Singh)      (Dr. A. N. Sarve)      (Prof. Amit Manjhar)

(Dr. Amit Aherwar)      (Dr. Trilok P. Singh)      (Prof. Punit K. Johari)

(Mr. Vikram S. Rajput)

Submitted for information  
M Pandey C  
07/09/2021  
(DEAN ACADEMICS)


(Dr. R. K. Pandey)  
Director

—The Training & Placement officer of the Institute has appraised the house that for the current batch, which will graduate in 2021-2022, a meeting of the internship coordinators was held on 3<sup>rd</sup> September 2021 in the T& P office to discuss and consolidate the data of previous year and how to improve on it. The minutes are enclosed herewith.

## Item 23: In-house workshop on “Computation of Citations & H-Index in (i) Web of Science and (ii) Scopus”

- The IQAC coordinator has appraised the house that an In-house workshop was organized on 7<sup>th</sup> September 2021 at 4.0 PM in the Convention Hall, for the data managers. The Dr. Manjaree Pandit, Dean Academics & Dr. Pratesh Jayaswal, Registrar of the Institute have conducted this in-house workshop with following Objectives:
  - (i) To enable the faculty members to compute the bibliometrics of their publications
  - (ii) **To Submit information in the format below, along with report.**
  - (iii) To create awareness among the faculty members about publication, citations, H-index, indexing databases etc. as per NAAC requirements
  - (iv) To update the profiles of faculty members on the **Vidwan Portal, Publons, Scopus, Google Scholar, Research Gate, Orcid** etc and link them to the website, as already notified earlier
  - (v) To train the Data Managers to conduct similar workshops at their respective departments
  - (vi) At each department the faculty members were trained and the citations and H-index were calculated.

### FEEDBACK OF WORKSHOP

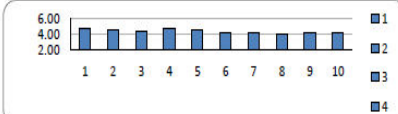


**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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**Workshop on computation of Citations & H-Index**

Faculty Name	Subject Code	Subject Name	Registered	Response	FFI
Dr. M. Pandit and Dr. P. Jayaswal		Web of Science and Scopus	13	9	4.34

Monday, 4 October 2021, 5:55 PM  
Submitted answers: 9



Label	Question	1- Below Average	2- Average	3- Good	4- Very good	5- Excellent	QV	Comment
1	The initiative taken by the dean academics and registrar to conduct this workshop on We	0	0	0	3	6	4.67	Appreciation
2	The concept, definition and computation of H-index was explained clearly	0	0	0	4	5	4.56	Appreciation
3	After the workshop you were able to compute the bibliometric of publications	0	0	0	6	3	4.33	Satisfactory
4	The workshop helped you to conduct a similar workshop for faculty members of your de	0	0	0	3	6	4.67	Appreciation
5	You think that such a workshop was useful for creating awareness among the faculty me	0	0	0	4	5	4.56	Appreciation
6	The duration of sessions/event was sufficient	0	0	2	4	3	4.11	Concern
7	The Sessions being conducted for the Data Managers are useful in clearing doubts about	0	0	1	5	3	4.22	Satisfactory
8	The resources, information provided to you so far about AQAR and SSR is sufficient	0	0	2	5	2	4.00	Concern
9	Do you think that the awareness will motivate faculty to publish good quality papers in f	0	0	1	6	2	4.11	Concern
10	How satisfied are you with your important role as Data Manager ?	0	0	2	3	4	4.22	Satisfactory
		0.00	0.00	8.00	43.00	39.00	4.34	

Suggestions for improvement (Please express your views) FFI & Suggestions are noted for further improvement.

**SUMMARY OF DEPARTMENT LEVEL WORKSHOPS**  
Summary of H- index workshops conducted by the Departments

S.No.	Department	Activities Name	Data	Number of Participants
1	Civil Engineering	“Research Publication & Citations Calculations”	16.09.2021	20
2	Mechanical Engineering	“Computation of Citation & H-index in (i) web of science and (ii) scopus”	10.09.2021	17
3	Electrical Engineering	“Workshop on computation of Citations & H-index”	09.09.2021	23
4	Electronics Engineering	“Computation of Citations and h-index” in web of science and scopus	16.09.2021	16
5	Computer Science and Engineering	“Computation of Citation & H-index in (i) web of science and (ii) scopus”	10.09.2021	21
6	Information Technology	“Computation of Citation & H-index in (i) web of science (ii) scopus”	14.09.2021	12
7	Chemical Engineering	“Computation of Citation & H-index in (i) web of science (ii) scopus”	14.09.2021	07
8	Engineering Mathematics & Computing	Computation of Citation, I & h- index	16.09.2021	08
9	Architecture	Computation of Citation & H- index in WOS and Scopus	17.09.2021	10
10	MBA	Workshop on computation of Citations & h-index in (i) web of science (ii) scopus	13.09.2021	03

**Item 24: In-house workshop on NIRF ranking**

- **The Director of the Institute has appraised the house that, the institute participate and appeared in NIRF Ranking 2020, for the first time, in the 250-300 rank bracket.**
- Director of the Institute has appraised that, a workshop on “**NIRF-2022 Preparation**” was organized on **27 August 2021** at 2:00 P.M. onwards, in the institute student activity centre (SAC), by NIRF Committee of the institute.
  - The workshop was organized by The **NIRF Committee**
  - All the Deans, Head of Departments and Section in-charges were requested to attend the workshop (List of participants is hereby attached as Annexure).
  - The workshop was interactive and each parameter with its salient features along with scope for further improvement was discussed elaborately. Participants were also requested to give their valuable suggestions for getting better ranking.
  - Following are the recommendations of the **NIRF committee** (as per NIRF Parameters 2021) for better place in NIRF ranking:

**A. Teaching Learning and Resources (TLR)**

*[30% weightage  
Total marks:100*



*Max score points=30]*

- More qualified and experienced faculty with attitude for research to be recruited.
- Existing faculty to be motivated and facilitated for acquiring higher qualification.
- Retention of faculty to be improved, for which appropriate strategy be framed.
- Suitable measures to be taken to improve FSR as it plays a vital role in getting better score.
- Ad hoc/ visiting faculty to be recruited for both semesters of the academic year as it gives more weightage.
- Budget allocation for Capital and Operational expenditures (Excluding maintenance and allied services) should be in separate heads.

## **B. Research Productivity Impact and IPR (RPII)**

*[30% weightage*

*Total marks:100*

*Max score points=30]*

- Faculty to be encouraged to enhance the number of research publications. (More numbers of publications per faculty are required)
- Publication in journals like SCOPUS, SCI and Web of Science to be preferred.
- Measures to be taken for publishing patents.( Institute may frame the strategy to encourage/financially help to such works)
- More research projects/group projects/ dissertation topics shall be taken which are directly related to field /industry and society to enhance footprints of the projects.
- Number of citation need to be enhanced (for improving the Quality of Publication). PG / Ph.D students to be advised to refer and cite relevant research papers of Institute faculty and researchers in their dissertation work / research work.
- More consultancy work related to research orientation shall be taken up.
- More research projects to be submitted to various funding agencies to increase the research project funding (IPR).
- Authors (Faculty/students) of research publications to be advised to mention institute name and affiliation for wider publicity and branding of the institute.
- Considerable number of projects to be taken up which are pertaining to regional problem related to society.
- It is required to enhance research collaborations with industries and Institutions of national repute/
- For branding and improving perception of the institute, publication of a research journal of the institute to be initiated.

## **C. Graduation Outcomes (GO)**

*[20% weightage*

*Total marks :100*

*Score points=20]*

- Remedial classes to be conducted **effectively** and its records to be maintained.
- Mentor- mentee provision to be further strengthened and its records to be maintained.
- Common minimum framework of orientation program to be chalked out for all the department to bring uniformity.
- For each subject study material to be provided to students. Study material shall be

concise and effective.

- Tutorial classes shall be conducted effectively to enhance higher order learning.
- Finishing School for bridging the gap between academic and industry shall be organized in more effective way& its record to be maintained.
- More training programs, workshops, expert lectures, motivational talks shall be organized on regular basis.
- Interaction with eminent alumni working in industries be enhanced for better employability of the students.
- Curriculum shall be designed from the point of view of syllabus of various National competitive examinations such as GATE, IES, PSUs and UPSC etc.
- Students shall be motivated to appear in national level competitive examinations i.e. GATE, IES, PSUs and CAT etc.
- Personality development program, mock interviews and special coaching classes to be conducted for guidance and confidence building among students and enhancing their chances of selection for jobs.
- Links with industry and reputed organization to be improved so that students can be offered internship and training in such organizations for enhancing the employability of students.
- Some extra efforts to be made for campus selection of PG and PhD students also.

#### **D. Outreach and Inclusivity (OI)**

[10% weightage

Total marks :100

Max score marks=10]

- Possibility to be explored for enhancing all India quota in UG admission (as students admitted out of the state provide better score).
- Some schemes to be started for assisting socially challenged students.
- To enhance entrepreneur skills in the students more effective activities to be conducted.
- More faculty development programs, Science and Technical exhibitions for public, technical poster competition, working model competition in the institute shall be organized, giving wide publicity at national level. Schools may be asked to attend /participate in the same.
- Visits to senior Secondary Schools for carrier guidance programmes must be organized
- Adequate facility like wheelchair, walking aids, ramps, lifts, disabled friendly toilets, Braille/special labs, audio visual aids including software etc. to be created for physically challenged persons

#### **E. Perception (PR)**

[10% weightage

Total marks :100

Max score marks=10]

- Institute website shall be regularly updated.
- Achievements of students and faculty to be highlighted on the institute website and media.
- Conclaves to be organized regularly to boost the perception
- Some joint projects with other reputed organizations shall be taken up
- More industrial visits of the students shall be organized for improving perception

- Major consultancy work shall be taken as joint venture with other reputed organizations.
- Invited talks of industrial /academic persons engaged in esteem organizations/institutions to be organized and wide publicity shall be given to such events.

**Apart from above, following other general measures shall also be taken to improve the indirect perception of the institute:**

- Sports facilities to be increased
- Some of the institute gardens may be re-designated as playground with appropriate modifications and markings
- Indoor games and gym facilities to be created. Separate budget to be allocated for such facilities
- Students to be motivated to take part in inter college, intra college and higher level sports activities.
- Sports activity calendar shall be prepared and strictly followed
- More Inter College/ intra College/ inter University sports events/competitions to be organized in the institute for enhancing perception and branding

**NIRF committee recommends that suitable strategy at institute level shall be formed to implement above recommendations at the earliest so that benefit of the same can be extracted while applying for NIRF ranking in future.**

## **Item 25: Initiative for enhancing Alumni Connect and Industry Interaction**

- As discussed in the previous meetings, The Dean Academics of the Institute has briefed the house that letters have been sent to the Alumni requesting support in the following areas.
  - Hiring top talent from the region (**Engineering and Management Graduates**) for full-time Internships (2 to 6 months) and for final Job Placements as well.
  - Curriculum design, and providing experts for certain instructional sessions;
  - Providing exposure to students and faculty on industrial practices and latest technologies,
  - Collaborating in sandwich programme offerings;
  - Industry senior personnel serving as adjunct faculty;
  - Conducting short term training programmes in collaboration with institutions.
  - To develop incubation centres and centres of excellence.
  - The existing expertise available with institutions can be utilized by the Industries
  - Shared problem-solving projects of Industry;
  - Support to weak students and merit scholarships for students
  - Participating in joint R&D activities for patents & publication;
  - Laboratories in the institutions can be shared with industries on agreed terms
  - Develop innovations, products and technologies which can be adopted by Industries.
- Placement Cell constituted in the Department involving minimum four active students to expedite the domain specific internship and placement activities.
- At each department, Alumni Cell has been constituted including student members to boost efforts for arranging internships and placements by enhancing alumni database.
- **Shri Prashant Mehta & Shri Ramesh Agarwal, BoG Members** have suggested to conduct alumni meet at Departments & Institute level through online mode in the November-December 2021.

**Item 26: Initiative taken to involve students in academic and administrative bodies/committees of the institution**

- The Director of the Institute has briefed the house about following Initiative taken to involve students in academic and administrative bodies/committees of the institution as Students are the most important stakeholders of the institute.
- There is student representation in
  - (i) Placement cell as volunteers
  - (ii) Gender champions for gender sensitisation
  - (iii) Members of anti-ragging committees
  - (iv) OBE coordinators
  - (v) Hostel mess committees
  - (vi) Office bearers in innovation and start-up cells
  - (vii) Club working committees
  - (viii) Class representatives
  - (ix) Members of IQAC
- In addition to the above, now students are nominated in **BoS, Alumni Cell and Placement Cell at the department level.**
- Constitution of placement cell in the Department via involving minimum four active students to expedite the domain specific internship and placement activities has been implemented.
- Involvement and participation of **two students (III Year) in the BoS of the department.** Applied Sciences & Humanities department will involve the topper students of first year through nomination by HoD has been implemented.
- It is also decided that these students will be given appropriate weightage in the **‘Professional Development’** course at the VIII semester.
- Those who perform duties with significant efficiency, will also be rewarded by the institute.

**Item 27: Social and Emotional Learning (SEL) sessions by the student counsellors**

- The Dean Academics of the Institute has briefed the house about conduction of Social and Emotional Learning (SEL) sessions by the student counsellors
- Social and Emotional Learning (SEL) plan prepared by the MITS Counselling Cell was discussed and approved in the IQAC meeting on **30<sup>th</sup> November 2019 (Item number 9).** In July 2021 a revised plan was also prepared

<b>Summary I Year Students(SEL sessions)</b>		
<b>Sessions</b>	<b>Branches</b>	<b>Number of Student Attendees</b>
<b>10</b>	<b>16</b>	<b>584</b>
<b>Summary III Year Students (SEL sessions)</b>		
<b>Sessions</b>	<b>Branches</b>	<b>Number of Student Attendees</b>
<b>10</b>	<b>10</b>	<b>303</b>

### **Social and Emotional Learning (SEL) Sessions for I Year students**

S.No.	Date	Branch	Number of Student Present
1.	24.08.21	AIR/IT IOT	49+25 = (74)
2.	24.08.21	MCA	20
3.	25.08.21	AU/CM/MBA	32
4.	25.08.21	EE IOT MAC	29+38 = (67)
5.	26.08.21	CS	59
6.	26.08.21	IT	46
7.	27.08.21	CE	67
8.	27.08.21	EC	67
9.	31.08.21	ME	89
10.	31.08.21	ET/EE/AR	8+37+18= (63)
		<b>Total Students</b>	<b>584</b>

### **Social and Emotional Learning (SEL) Sessions for III Year students**

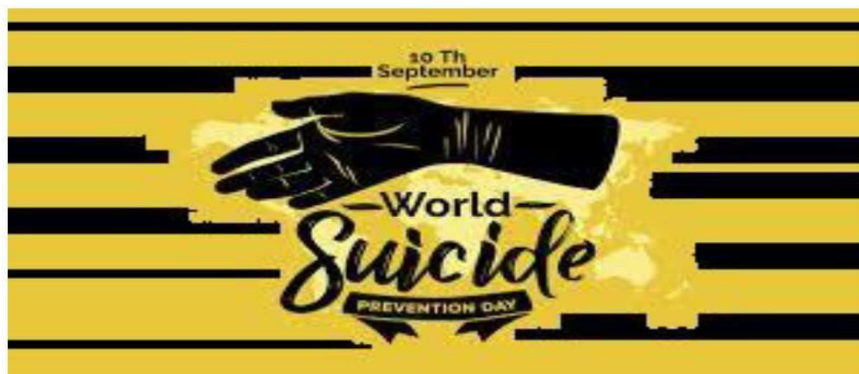
S.No.	Date	Branch	Number of Students Present
1.	09.08.2021	Computer Science Engineering	48
2.	10.08.2021	Information Technology	51
3.	11.08.2021	Civil Engineering	43
4.	12.08.2021	Electronics & Tele Communication Engineering	27
5.	13.08.2021	Electronics Engineering	17
6.	14.08.2021	Mechanical Engineering	24
7.	16.08.2021	Electrical Engineering	23
8.	17.08.2021	Automobile Engineering	22
9.	19.08.2021	Architecture	23
10.	19.08.2021	Chemical Engineering	25
		<b>Total Students</b>	<b>303</b>

*WEBINAR: "Promoting Well Being and Preventing Suicide"*

DATE: 10<sup>th</sup> SEP, 2021

By:

Dr.Richa Priyamvada (Clinical Psychologist, Chirayu Medical College &Hospital, Bhopal)  
Dr.Sapna Kumari (Student Counsellor,MIT)



**Full report is enclosed as annexure-XIII**

**Item 28: Conduction of Post Academics Council Review Meeting (5-7 July 2021) for implementation of new scheme w.e.f. 2020-21 admitted batch onwards**

➤ The Dean Academics & IQAC Coordinator have appraised the house about Conduction of Post Academics Council Review Meeting (5-7 July 2021) for implementation of new scheme w.e.f. 2020-21 admitted batch onwards, following are the details of review meetings:

- The meeting of the ADC cell with all HoDs/representatives was held on 5<sup>th</sup>, 6<sup>th</sup>, & 7<sup>th</sup> July 2021 from 3.0 PM onwards
- The agenda was to resolve the post Academic Council issues, discussions and actions to be taken for the smooth implementation of the new schemes w.e.f. 2020-2021 admitted batch onwards.
- **The BoS minutes of the following departments were discussed:**

S.No.	Name of Department	BOS Meeting date	S.No.	Name of Department	BOS Meeting date
1.	Civil Engineering	09.06.2021	6	Chemical Engineering	8 <sup>th</sup> June 2021
2.	Electrical Engineering	02.06.2021	7	Engineering Mathematics and Computing	2 <sup>nd</sup> June 2021
3.	Information Technology	10.06.2021	8	Mechanical Engineering	8 <sup>th</sup> June 2021
4.	Applied Physics & Chemistry	10.06.2021	9	Architecture	7 <sup>th</sup> June 2021
5	Computer Science & Engineering	7 <sup>th</sup> June 2021	10	Electronics Engineering	8 <sup>th</sup> June 2021

— **A detailed discussion and review of the following points was carried out.**

1. CO attainment and gaps

2. Preparation of the list of "Skill based mini projects"
3. Stakeholder feedback on curriculum (Student, faculty, alumni, employer, parents)
4. Schemes from I semester to IV semester were checked for uniformity and other discrepancies
5. "Curriculum Feedback from all Stakeholders"
6. The overall 'percentage of COs not attained' will be summarised and recorded for each programme, on the first page itself.

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)  
Date: 07.07.2020

**MINUTES**  
**Meeting of the "Academic Development Cell"**

The meeting of the ADC cell with all HoDs/representatives was held on 5<sup>th</sup>, 6<sup>th</sup>, & 7<sup>th</sup> July 2021 from 3.00 PM onwards to resolve the post Academic Council issues for discussion and actions to be taken for the smooth implementation of the new schemes w.e.f. 2020-2021 admitted batch onwards.

The BoS minutes of the following departments were discussed:

S.No.	Name of Department	BOS Meeting date	S.No.	Name of Department	BOS Meeting date
1.	Civil Engineering	09.06.2021	6	Chemical Engineering	8 <sup>th</sup> June 2021
2.	Electrical Engineering	02.06.2021	7	Engineering Mathematics and Computing	2 <sup>nd</sup> June 2021
3.	Information Technology	10.06.2021	8	Mechanical Engineering	8 <sup>th</sup> June 2021
4.	Applied Physics & Chemistry	10.06.2021	9	Architecture	7 <sup>th</sup> June 2021
5	Computer Science & Engineering	7 <sup>th</sup> June 2021	10	Electronics Engineering	8 <sup>th</sup> June 2021

A detailed discussion and review of the following points was carried out.

1. CO attainment and gaps
2. Preparation of the list of "Skill based mini projects"
3. Stakeholder feedback on curriculum (Student, faculty, alumni, employer, parents)
4. Schemes from I semester to IV semester were checked for uniformity and other discrepancies

The HoDs projected their BoS documents and the following issues were discussed and resolved:

1. Some general observations were made about the newly introduced separate column for the 'Skill based mini project' component in the schemes. The issues were mostly related to presentation/language used for identifying and listing these course-wise projects. Suitable suggestions were given by committee members and HoDs for improvement so that HOTS can be developed in students through exposure to 'open ended and real-world practical problems'.
2. The DE and OC courses (to be conducted in traditional as well as from MOOC platform) as proposed by the BoS of the departments were reviewed. In the EE department it was suggested that 1-2 more courses can be introduced from MOOCs for Honours in addition to the Internet of things (IoT) related courses proposed.
3. The 'feedback received on course curriculum from stakeholders' as mapped with the changes proposed by the BoS, in curriculum/syllabi was reviewed by all the members and HoDs. **It was decided that a 5-point scale should be used to measure the level of satisfaction for each parameter/question uniformly, by all the departments with labels as: 1: average, 2: Above Average, 3: Good, 4: Very Good, 5: Excellent**

4. For CO feedback on MOODLE, only 3 levels must be used which are: "Strongly agree", "Agree" and "Not sure"

5. It was resolved that the overall 'percentage of COs not attained' will be summarised and recorded for each programme, on the first page itself.

6. The OBE manager Dr Sulochana Wadhvani will conduct a series of meetings of all OBE coordinators for ensuring that uniform CO attainment policies are adopted across all the departments. Similarly, the process for gap attainment will also be discussed with reference to the new scheme w.e.f. 2020-2021 admitted batch. This exercise will be carried out after each semester to maintain proper documentation and continuity in practices. The HoDs can also be invited to attend these meetings.

7. "Introduction to Cyber Physical Systems" is proposed to be introduced in Mechanical Engineering as a DE course for the 2020-2021 admitted batch

8. In place of "Statistical Techniques" course in 'Mathematics and Computing' programme "Probability and random process" has been introduced.

9. In the Architecture Scheme, one MOOC course has been introduced for the students for completion during their training period in IX semester.

10. The Departments will share their report on "Curriculum Feedback from all Stakeholders" with the Dean Office latest by 16<sup>th</sup> August 2021. Sample size must be mentioned for each feedback.

11. It was decided that the list of OCs, DEs, Minor Specialization and Honours courses recommended/offered by the respective BoS for the 2017-2021 batch from V semester to VIII semester will be compiled and sent to the dean academics office.

(Prof. Swati Gupta) (Dr. S.Bhattacharya) (Dr. Anjula Gaur)  
(Dr. Anjali S. Patil) (Dr. Sanjeev Khanna) (Dr. Laxmi Shrivastava)  
(Dr. V. Shinde) (Dr. Manish Dixit) (Dr. Manoj Kumar Gaur)  
(Dr. M. K. Trivedi) (Dr. Laxmi Srivastava)

(Dr. Akhilesh Tiwari) (Dr. Pratesh Jayaswal) (Dr. S. Wadhvani) (Dr. P.K. Singhal) (Dr. Manjaree Pandit)

**Submitted for Approval**  
(Dr. R.K. Pandit) Director

**Item 29: Paper Publication details (in SCI, ESCI, SCIE & Scopus Journals) in the Year (2020-21)**

- The house reviewed the following paper Publication details (in SCI, ESCI, SCIE & Scopus Journals) in the Year (2020-21)

**Publications in SCI/SCIE/ESCI/Scopus Indexed Journals**

2017-2018	2018-2019	2019-2020	2020-2021
38	10	44	34

- As per previous guidelines, publication data was collected from the faculty through a Google form, academic year-wise.
- The new AQAR format requires compilation of publication ‘calendar year-wise’.

**Item 30: Conduction of two-day Faculty induction Programme (FIP-2021) on 9<sup>th</sup> & 10<sup>th</sup> July, 2021 (schedule, grade of faculty and new faculty)**

- The IQAC Coordinator has appraised the house about Conduction of two-day Faculty induction Programme (FIP-2021) on 9<sup>th</sup> & 10<sup>th</sup> July, 2021, following are the details:
  - An initiative of conducting “Faculty Induction Programme” for the newly recruited faculty members was taken for the first time.
  - Earlier a weeklong event was planned but due to the Covid situation, only a two-day programme was conducted to apprise the new faculty about the institutional practices.
  - There were sessions on **Teaching-learning, OBE, NEP-2020, NAAC accreditation, examination reforms, NIRF ranking, Flexible Curriculum and role of IQAC for quality assurance in the institute.**
  - The sessions were interactive and quiz on MOODLE was conducted after each session.
  - The participants were awarded grades on the basis of their performance.
  - Anonymous feedback, for each session, from the faculty, was also taken after the workshop. The event schedule and consolidated feedback are given here.

Day-1						
Date	09:00 am-10:00 am	10:00 am-11:00 am	11:00am-12:00 noon	12:00 Noon -1:30 pm	1:30 pm-2:30pm	2:30pm-3:30 pm
09.07.2021	<b>Session-1</b> Teaching-Learning & Research: An outcome Based Education approach	<b>Session-2</b> Higher Education in India and Academic Leadership: A NEP perspective	<b>Session-3</b> Roles & Responsibilities of Faculty: A NAAC Perspective	Break	<b>Session-4</b> Strategic Approach to succeed in National Institutional Ranking Framework (NIRF)	<b>Session-5</b> Flexible Curriculum Implemented in Institution
Resource Person	Dr. K.K. Aggarwal Chairman NBA & Former Vice Chancellor, GGSI University, Delhi	Dr. R.K.Pandit Director	Dr. Manjaree Pandit Dean Academics		Dr. R. K. Gupta Professor	Dr. Akhilesh Tiwari Member Secretary AC
Day-2						
Date	09:00 am-10:00 am	10:00 am-11:00 am	11:00am-12:00 noon	12:00 Noon-1:30 pm	1:30 pm-3:30pm	
10.07.2021	<b>Session-6</b> Quality Assurance: Role of IQAC	<b>Session-7</b> OBE-The Institute Approach towards attainment of Programme Outcomes	<b>Session-8</b> Assessment & Evaluation: Exam Reforms Implemented in Institute	Break	<b>Session-8</b> Best Practices for Teaching with MOODLE: A hands-on practice session	
Resource person	Dr. Pratesh Jayaswal IQAC Coordinator	Dr. S. Wadhvani OBE Coordinator	Dr. P. K Singhal Controller Exams		Mr. Atul Chauhan Assistant Registrar	

Venue for FIP: Students Activity Centre of Institute.





## MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

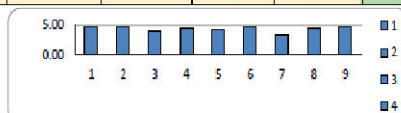
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Internal Quality Assurance Cell, Madhav Institute of Technology & Science, Gwalior

Faculty Name	Registered	Response	FFI
Faculty Induction Programme	23	23	4.33

Thursday, 30 September 2021, 4:06 PM

Submitted answers: 23



Label	Question	Excellent	Very good	Good	Average	Below average	QV	Comment
1	The initiative taken to conduct an FIP was thoughtful	17	6	0	0	0	4.74	Appreciation
2	The FIP conduction was useful to you	15	7	1	0	0	4.61	Appreciation
3	The duration of sessions/event was sufficient	5	13	5	0	0	4.00	Concern
4	Session on NAAC was informative and useful	14	7	2	0	0	4.52	Satisfactory
5	Session on NIRF was motivating and interesting	9	10	3	1	0	4.17	Satisfactory
6	Session on Flexible Curriculum was useful	16	6	0	1	0	4.61	Appreciation
7	Session on OBE will help me in orienting my teaching towards OBE	2	8	8	5	0	3.30	Concern
8	Session on IQAC was motivating and informative	12	8	2	1	0	4.35	Satisfactory
9	The session on MOODLE will help me in making better use of this tool for teaching-learning	17	4	2	0	0	4.65	Appreciation
							4.33	

Thanks for conduct this induction programme we get lot of valuable knowledge this is very useful..

More beneficial if planned ASAP. Though this time it is delayed due to pandemic.

Grateful to the management for conducting the FIP. Learnt a lot about various rules, regulations, guidelines and procedures to be followed during teaching learning and other institutional activities.

### Item 31: To apprise the house about steps taken to identify top five Student Clubs/ Professional Society Chapters during Academic Year 2020-21

- The Dean Student Welfare of the Institute has briefed the house about framework for performance evaluation of Student Clubs/Society Chapters, which was developed by the “**Student Development Cell**” as per the guidelines and discussions in the IQAC meeting..
- The numerical model for ranking the performance of clubs/chapters was discussed and approved in the IQAC meeting on 3<sup>rd</sup> March 2020. It was later revised by the Student Development Cell.
- Since last year, the practice of awarding the top five performers from the clubs/professional society chapters was started and financial rewards were given on the MITS Day, i.e on 10<sup>th</sup> March 2021.
- Section ‘A’ for activities organized by Club/ Society Chapters
- Section ‘B’- for participation in activities outside the Institute
- **Total 16 Student Clubs/Society Chapters submitted their entries against 12 Clubs/Society Chapters last year.**
- Entries were scrutinized by the ‘Student Development Cell’ based on Section A and Section B and top 5 in order of rank were identified.

### **Student Clubs who submitted their entries**

Sr.	Club Name	Faculty Coordinator	Total Score
1	Holistic Health Club	Vishal Chaudhary	965
2	Art Club	Pooja Sahoo	625
3	MITS Journalism Society	Anish P. Jacob	405
4	ASIMOV Robotics Club	Karuna Markam	260
5	Startup cell	Sanjiv Sharma	195
6	Dance Club	Parul Saxena	180
7	IOT Club	Khushboo Agarwal	125
8	Creative Architects Club	Anjali S Patil, Anmol Gupta	65
9	Literary Club	Sanjeev Khanna	60
10	Science Club	Shourabh Bhattacharya, Deobrat Singh	55
11	Sky roads	Neha Bhardwaj	40
12	Terrestrial Automobile Development Club	Vedansh Chaturvedi	40

### **Professional Society Student Chapters who submitted their entries**

Sr.	Club Name	Faculty Coordinator	Total Score
1	IETE Student Forum MITS Gwalior	Vandana Vikas Thakare	1050
2	ISTE Students' Chapter MITS	Vishal Chaudhary	490
3	IET Student Chapter	Vijay Bhuria	290
4	MITS ACM Student Chapter	Neha Bharadwaj	40

### **TOP-5 Student Clubs/ Professional Society Chapters (Year 2020-2021)**

Rank	Clubs/ Professional Society	Faculty Coordinator	Score
<b>I.</b>	<b>IETE Student Forum MITS Gwalior</b>	<b>Vandana Vikas Thakare</b>	<b>1050</b>
<b>II.</b>	<b>Holistic Health Club</b>	<b>Vishal Chaudhary</b>	<b>965</b>
<b>III.</b>	<b>Art Club</b>	<b>Pooja Sahoo</b>	<b>625</b>
<b>IV.</b>	<b>ISTE Students' Chapter MITS</b>	<b>Vishal Chaudhary</b>	<b>490</b>
<b>V.</b>	<b>MITS Journalism Society</b>	<b>Anish P. Jacob</b>	<b>405</b>

### **Top Five Clubs/Chapters (Last year: 2019-2020)**

Name of Club/Society Chapter	Faculty Coordinator	Merit
ISTE Student Chapter	Vishal Chaudhary	I
Holistic Health Club	Vishal Chaudhary	II
Art Club	Pooja Sahoo	III
IETE Student Forum	Vandana Vikas Thakre	IV
Dance Club	Parul Saxena	V

***The full report is enclosed as Annexure-XIV***

**Item 32: To apprise the House about the sanction of grant under SPICES (“Scheme for promoting interests, creativity and Ethics among students from AICTE) to ISTE student chapter**

- The Dean Academics of the Institute appraised the House about the sanction of grant under SPICES (“Scheme for promoting interests, creativity and Ethics among students from AICTE) to ISTE student chapter.
- The ISTE Student Chapter of the institute has received financial grant for one-year duration, under the AICTE-SPICES scheme.
- The sanction letter requires that **the institute uses this support such that 3 other clubs (which the institution proposes)** must be groomed to develop on the lines of the club benefited under SPICES.
- **IDEAS ARE INVITED**

**Item 33: Orientation programmes for the III and IV year students at the beginning of the semester**



**Madhav institute of Technology & Science, Gwalior**  
(A Govt. Aided UGC Autonomous NAAC Accredited Institute Affiliated to RGPV, Bhopal)

**Summary of III & IV Year Orientation Programme**

S. No.	Department	Date	Year	No. of Students
1.	Civil Engineering	16/07/2021	III	79
		15/07/2021	IV	75
2.	Mechanical Engineering	15/07/2021	III & IV	309
3.	Electrical Engineering	19/07/2021	III	125
			IV	98
4.	Electronics & Electronics Telecommunication Engineering	19/07/2021	III	142
			IV	100
5.	Computer Science Engineering	20/07/2021	III	97
			IV	64
6.	Chemical Engineering	19/07/2021	III & IV	69
7.	Information Technology	19/07/2021	III	44
			IV	42
8.	Architecture	23/07/2021	III, IV & V	64
9.	MCA	23/07/2021	III	11

Compiled by  
*(Shri Vinod Sharma)*

The orientation of students at the beginning of the semester was done by all the departments and report was submitted before the deadline of 31<sup>st</sup> July for the semester which started on 19<sup>th</sup> July 2021. *M.P.C.*

*Dr. Manjaree Pandit*  
22/08/2021  
(Dr. Manjaree Pandit)  
Dean Academics

submitted for information.  
*Director* *(G.M.P. 2.8.21)*

**The full report is enclosed as Annexure-XV**

**Item 34: In view of UGC notification dated 28.07.2021 regarding Academics Bank of Credits, a committee vide order No. 1402 dated 03<sup>rd</sup> August 2021 is constituted for the registration of institute with Academics Bank of Credit**

- The Director of the Institute has appraised the house about constitution of following Committee for the registration of institute with Academics Bank of Credit

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

No.: 1402

Date: 03.08.2021

**ORDER**

In view of UGC notification dated 28.07.2021 regarding Academic Bank of Credits, a committee of following members is constituted for the registration of Institute with **Academic Bank of Credits** in coordination with Registrar of Institute:

(i)	Dr. Manish Dixit	Chairman
(ii)	Prof. Prabhakar Sharma	Member
(iii)	Prof. R. R. Singh Makwana	Member
(iv)	Mr. Atul Chuhan	Member

The above committee will complete the process of registration with **Academic Bank of Credits (ABC)** as per timeline issued by authorized agency/organization.

Further, the examination cell will implement the System of Academic Bank of Credits in the Institute as per UGC guidelines in coordination with Academic Development Cell of the Institute.

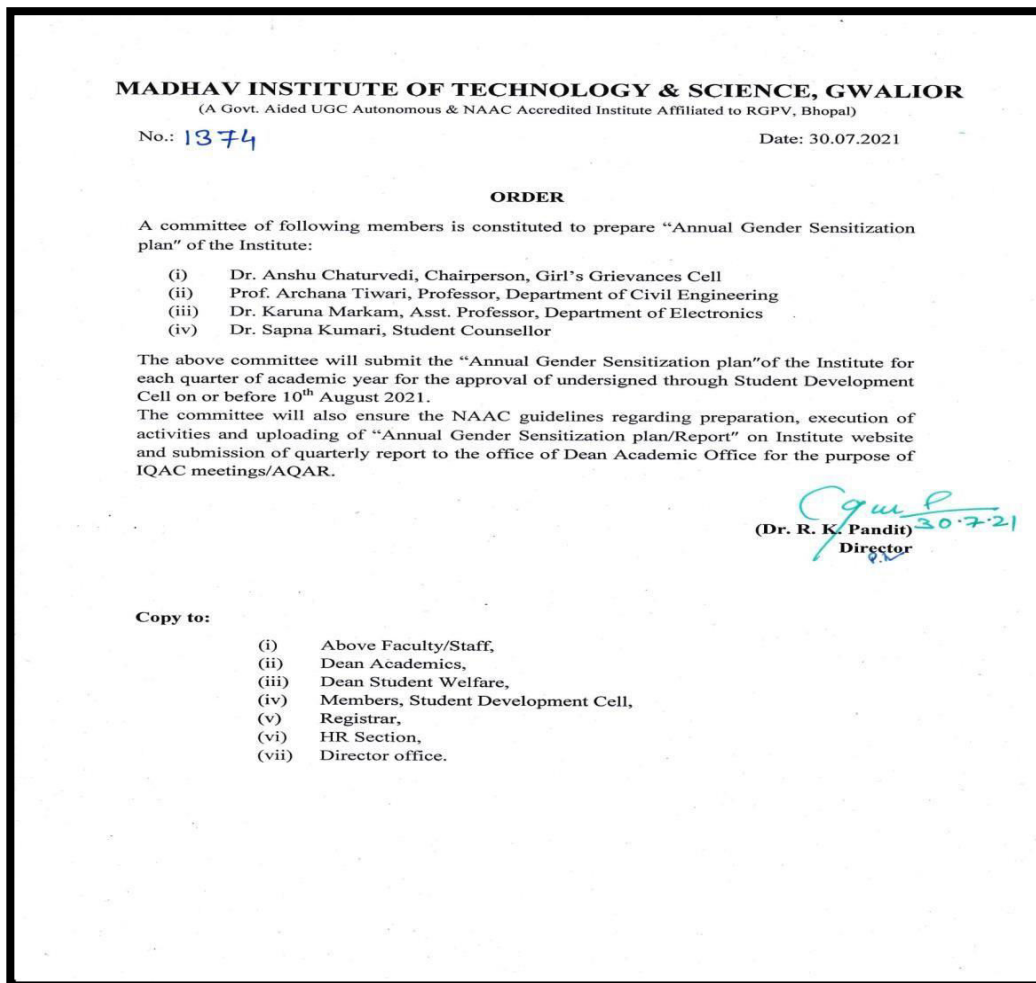
  
(Dr. R. K. Pandit) 3-8-21  
Director  
P.D.

**Copy to:**

- (i) Above Committee Members,
- (ii) All Deans,
- (iii) Exam Controller,
- (iv) Members, Academic Development Cell,
- (v) Registrar,
- (vi) HR Section,
- (vii) Finance & Accounts Section,
- (viii) Director office.

**Item 35: Committee constituted to prepare the Annual Gender Sensitization Plan to be executed on quarterly basis order No. 1374 dated 30.07.2021.**

- The Director of the Institute has appraised the house about constitution of following Committee to prepare the Annual Gender Sensitization Plan to be executed on quarterly basis:



**Item 36: Workshops on "Gender Sensitization" for the employees of the institute as part of the annual gender sensitization plan**

- The house reviewed and appreciated the conduction of following workshop & various other activities conducted for gender sensitization

Date	Title	Employee Category	Attendees
17.09.2021	Understanding Gender Sensitization, Phase-I	Faculty	116
24.09.2021	Understanding Gender Sensitization, Phase-II	Class III	71
01.10.2021	Understanding Gender Sensitization, Phase-III	Class IV	60

- A series of one-day interactive workshops were conducted by the Girls Grievance Cell(GGC) with the Chairperson **Dr. Anshu Chaturvedi**, as the Coordinator.
- On 17<sup>th</sup> September 2021, the first phase of the workshop was conducted; **116 faculty members** were addressed by the expert, **Ms. Purna Priya**, Faculty Jiwaji University.
- She sensitized the faculty members about this sensitive topic through interactive question-answer rounds and short video films.
- On 24<sup>th</sup> September 2021, in phase-II of the workshop, **71 class III staff members** were addressed by the expert.
- The GGC members took the initiative and conducted a special session of ‘Gender Sensitization’ for the **60 class IV employees** on 1<sup>st</sup> October 2021.

The objectives of the workshops were:

### Objectives

- To discuss the need of gender equality in work places
- To discuss about the issues faced by every gender identity due to gender bias
- To facilitate discussions between male and female employees, with the goal of highlighting positive as well as discriminatory workplace practices.
- To identify and address unconscious biases and prejudices that creep into the workplace.
- To create safer workplaces
- To build better understanding between all gender identities and create a cohesive environment

### Expected Outcomes

After attending the workshop, it is expected that the participants would be able to

- Create the right kind of gender-sensitive environment which will lead to mutual respect regardless of their gender
- Make an effort to decrease or completely eradicated gender pay gap in institutions
- Adhere to a gender sensitive environment that will attract more female candidates, leading to a balanced male-female ratio, and higher morale and retention.
- Create a safe platform where grievances of everyone is heard and action is taken immediately
- Realize that gender sensitization helps employees as they feel valued and cared for within the organization.
- Build gender sensitive environment that will help positive and gender-intelligent organizational culture, growth and progress of women leaders, and lower levels of gender conflict and harassment.

### Item 37: Status of implementation of NEP-2020: Novel Engaging courses

- The house appreciated the following initiatives taken by the Institute to implement National Education Policy -2020:
  - ‘National Education Policy 2020: Strategic Action Plan for the Holistic, Multidisciplinary and Value Based Education, with Flexibility’ was presented by the Director in the HR committee meeting in the presence of renowned academicians of the country.
  - Director presentation of **NEP-2020: Strategic Action Plan** for all Professors, HoDs, Deans, Examination Controllers was on **12<sup>th</sup> July 2021**; Total Attendees-25
  - In view of UGC notification dated **28.07.2021** regarding ‘**Academic Bank of Credits**’, a committee vide Order No 1402 dated 3<sup>rd</sup> August 2021 is constituted for the registration of Institute with **Academic Bank of Credits**
  - To facilitate, Holistic and Multidisciplinary Education, Knowledge of Many Arts” or “Liberal Arts”, integration of all branches of Creative Human Endeavour, etc.; the institute offered 38 course modules out of which 33 were opted by the students of the 2020-2021 admitted batch; the courses started from **1<sup>st</sup> September 2021**.
  - These courses will be offered from 3<sup>rd</sup> semester to 6<sup>th</sup> semester. Some modules are designed as sequels as shown in the table below.
  - Except NCC and NSS, all other modules have an upper limit for registrations.
  - **Thirty-three courses covering** (*Performing arts, music, dance, physical health, health & hygiene, technology, programming skills, language & literature, etc*) are presently being run for the III semester students with internal and external mentors, where necessary. **The course wise registration status is given below:**

### NEC Registration Summary

Groups	Course Name & Code	Mentor	Mentor Department	Semester	Total Credits (1 Credit in each semester)	Total Registered Students
Science & Technology	3D Printing (2000001)	Gavendra Norkey and Dhruv Maggu	Mechanical Engineering	3	1	44
	Amateur Radio Communication (2000002)	Vandana Vikas Thakare	Electronics	3	1	14
	Design Skills Using Simulation Software (2000003)	Sharad Agrawal	Mechanical Engineering	3	1	50
	Data Analysis Skills (2000004)	D K Jain	Maths & Comp.	3	1	50
	Equipment Calibration* - I (2000005)	Abhilash Shukla	Civil Engineering	3,4	2	00

	Robotics (2000007)	Karuna Markam	Electronics	3	1	50
	Vehicular Skill Development (2000008)	Vedansh Chaturvedi & Ajay S. Rajput	Mechanical Engineering	3	1	39
<b>Digital Technology</b>	Animation (2000009)	Amit Kumar Manjhvar	CSE	3	1	50
	Digital Learning* - I (2000010)	Punit Kumar Johari	Information Tech	3,4	2	50
	Elements of Photographic Skills (2000012)	Deep Kishore Parsediya	Electronics	3	1	46
<b>Socially Relevant</b>	Environment Protection* - I (2000013)	Aditya K. Agarwal	Civil Engineering	3,4	2	51
	Fire Prevention & Preparedness (2000015)	Jyoti Vimal	Mechanical Engineering	3	1	00
	National Service Scheme** (NSS) - I (2000016)	Manish K. Sagar	Mech. Engineering & NSS Officer	3,4,5,6	4	55
	National Cadet Corps** (NCC) - I (2000020)	B.P.S. Bhadoria	NCC & Sports	3,4,5,6	4	24
	Mentoring Skills** - I (2000024)	Sapna Kumari	Student Counsellor	3,4,5,6	4	18
	Organic Farming (2000028)	Archana Tiwari	Civil Engg	3	1	21
	Signage (2000029)	M.K. Trivedi & Jayvant Choudhary	Civil Engg	3	1	00
	<b>Performing Arts</b>	Performing Arts (Dance) (2000030)	Parul Saxena	CSE	3	1
Performing Arts (Music) (2000031)		Shourabh Bhattacharya	Applied Science	3	1	24
<b>Physical Health</b>	Games & Sports** - I (2000032)	B.P.S. Bhadoria	NCC & Sports	3,4,5,6	4	50
	Physical Fitness* -I (2000036)	Rajendra Prasad Kori	Mechanical Engineering	3,4	2	50
<b>Health &amp; Hygiene</b>	Alternate Therapies** - I	Sunita Sharma	Biotechnology	3,4,5,6	4	00



	(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
					<b>TOTAL</b>	<b>1129</b>

**Item 38: Summary of online Ph.D. review on 06.09.2021**

**Ph.D. Review Summary 06.09.2021**

(Notice No. 1392 & 1393 dated 16.08.2021)

S.No.	Department	Total No. of Student Registered (RGPV/TEQIP/NDF/QIP)	Total No. of Student Present	Total No. of Students Absent
1.	Civil Engineering	10	09	01
2.	Mechanical Engineering	16	13	03
3.	Electrical Engineering	21	17	02
4.	Electronics	13	09	04
5.	CSE/IT	22	22	00
6.	Architecture	15	13	02
7.	Engineering Mathematics & Computing	01	00	01
	<b>TOTAL</b>	<b>98</b>	--	---

**Item 39: Summary of Ph.D. Scholars who have submitted Awarded/Final thesis/ draft thesis during July 2020 to June 2021.**

- The house reviewed following summary of Ph.D. Scholars who have submitted Awarded/Final thesis/ draft thesis during July 2020 to June 2021.

**SUMMARY OF PH.D. SCHOLARS SUBMITTED THESIS**

(July 2020 to September 2021)

— **Thesis Awarded: 03**

— **Final thesis submitted: 08**

S.No.	Department	Name of Candidates	Name of Supervisor	Title of thesis	Status(Awarded/ Final Thesis/ Draft thesis)
1.	Mechanical Engineering	Pawan Agrawal	Dr. Pratesh Jayaswal	Development of Expert System for fault diagnosis and prognosis of rolling element bearing using vibration signature analysis	Notification No. RGPV/Acad./PhD/03/039 dt. 04.06.2021 ( <b>Awarded</b> )
2		Gaurav Saxena	Dr. Manoj Kumar Gaur	Development and Performance evaluation of PVT Hybrid System	<b>Final Thesis Submitted</b>

3		Pallavi Bondriya	Dr. A.K. Wadhvani Dr. Yogendra Kumar	Optimal Location and Size of Distributed Generation Using Soft Computing Techniques	Draft Thesis Submitted
4		Alka Thakur	Dr. S.	Fault Detection and	Draft Thesis Submitted
	Electrical Engineering		Wadhvani Dr. A.K. Wadhvani	Analysis of Rotating Electrical Machine using Soft Computing Techniques.	
5		Manoj Kumar Bandil	Dr. A.K. Wadhvani	Multi-Resolution Epileptic Classification of Electroencephalogram Using Hybrid Soft Computing Techniques.	Draft Thesis Submitted
6		Shalini Sahay	Dr. A.K. Wadhvani Dr. Sarita Singh Bhadauria Dr. Sulochana Wadhvani	Computer Aided Interpretation of Bioelectric Signals.	Draft Thesis Submitted
7		Shilpi Sisodia	Dr. A.K. Wadhvani Dr. Yogendra Kumar	Transmission System Planning Using Evolutionary Techniques	Draft Thesis Submitted
8		Asmita Rajawat	Dr. P.K. Singhal	Energy Harvesting From Microwave Power Transmission	<b>Final Thesis Submitted</b>
9		Sumant Kumar Kundu	Dr. P.K. Singhal	Patch Antennas Conformable to Planar and non-planar surfaces	<b>Final Thesis Submitted</b>
10		Shashi Bhushan Kumar	Dr. P.K. Singhal	Planar Micro strip Patch Antennas with Fractal Geometry	<b>Final Thesis Submitted</b>
11		Parul Pathak	Dr. P.K. Singhal	Design of Broadband Antennas for Wireless Applications	Draft Thesis Submitted
12		Deepti Gupta	Dr. P.K. Singhal	Design and Development of Micro strip Filters using Meta-materials	Draft Thesis Submitted
13	Electronics Engineering	Rakesh Singh Rajput	Dr. Rekha Gupta Dr. Aditya Trivedi	Spectrum Sensing Techniques using Energy and Eigenvalue based Algorithm.	<b>Final Thesis Submitted</b>
14		Keshav Mishra	Dr. Rekha Gupta Dr. Aditya Trivedi	Performance Improvement of Resource Allocation Scheme for Cognitive Radio Networks	<b>Final Thesis Submitted</b>
15		R. Jenkin Suji	Dr. Sarita Singh Bhadauria	Performance Improvement of Computer Aided Diagnosis System for Biomedical Images.	Draft Thesis Submitted

16		Gaurav Saxena	Dr. Sarita Singh Bhadauria	Feature Extraction of Environmental Images	Draft Thesis Submitted
17		Archana Gupta	Dr. Akhilesh Tiwari	A novel System for mining incremental	Notification No. RGPV/Acad./PhD/189/4725
			Dr. Sanjeev Jain	frequent itemset without candidate generation'	dt. 04.01.2021 <b>(Awarded)</b>
18	Computer Science Engineering & IT	Arvind Kumar Sharma	Prof. R.K. Gupta	"Development of New Algorithms for Trend Detection and Prediction in Spatial Databases"	Draft Thesis Submitted
19		Punit Kumar Johari	Prof. R.K. Gupta	A novel approach for retrieving images using soft computing techniques'	Draft Thesis Submitted
20		Abhilash Sonker	Prof. R.K. Gupta	A New Approach for mis-behaviour detection of nodes VANET	Draft Thesis Submitted
21		Kirti Raj Bhatele	Dr. Sarita Singh Bhadauria	Design and Analysis of an automated Approach to detect Brain Disorders	Draft Thesis Submitted
22		Jaimala Jha	Dr.Sarita Singh Bhadauria	A Frame work for Fast Retrieval and Identification of Monument Images using Visual Features and data Mining Techniques'	Draft Thesis Submitted
23		Parul Saxena	Dr. R.S. Jadon	Semantic video Interpretation for Surveillance Using Machine Learning Technique.	Notification No. RGPV/Acad./PhD/171/5081 dt. 24.02.2021 <b>(Awarded)</b>
24	Computer Application	Mahendra Pratap Singh Dohre	Dr. R.S. Jadon	An Innovative Approach for User Profile based Online Searching on Web Content.	<b>Final Thesis Submitted</b>
25		Sadeep Kumar Singh Rathor	Dr. R.S. Jadon	A novel approach for speech recognition using machine Learning'	<b>Final Thesis Submitted</b>

#### **Item 40: In-house workshop on “student-centric, innovative, and effective teaching learning practices to enhance learning outcomes”**

- The Dean Academics of the Institute has appraised the house about In-house workshop on “student-centric, innovative, and effective teaching learning practices to enhance learning outcomes”. The details of workshops conducted by various departments are as follows:

In-house Workshops on ““Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes” were conducted by the departments during September 2021. Each department has separate issues and challenges in conducting on-line classes; the following issues were brainstormed, discussed and resolved in the

workshop through sharing of experiences:

- (1) How to make more students to attend classes (attendance improvement)?
- (2) How to make classes more effective & interesting (way of teaching/language/communication etc.; delivery to be neither fully in English nor fully in Hindi, but a mixture of both, looking at the background of some of our students)
- (3) Time management in class (students spend their data; they must get some useful information within short time)
- (4) Possibility of engaging students (participative learning, through interesting questions/discussion about projects/assignments etc.)
- (5) How to enhance student learning outcomes (different measures to be developed for theoretical, mathematical, concept-based courses etc.)
- (6) Improving Delivery (to be through pen-tablet or PPT with laser pointer/colored pen/highlighter. If using PPT, flowcharts, pictures, colourful eye-catching illustrations can be used to attract student attention, etc.)
- (7) Assuring student attentively through quizzes/assignments aligned with class notes/recorded links
- (8) Challenges of digital teaching during pandemic times (As attendance cannot be compulsory, but appearing for additional classes, quiz, assignments is mandatory)
- (9) Importance of 'additional classes' in digital session (These classes must be conducted to chat with the students about their general problems, guidance needed, doubt clearing, career counselling etc. These are also compulsory for those students who are able to attend classes very regularly due to data or other issues. No new matter is to be taught during these sessions)
- (10) Feedback/suggestions from some students can also be taken regarding this if possible
- (11) Other department specific/department-identified issues

**The following were the outcomes:**

- Faculty members shared teaching practices and benefitted from each other's experience.
- Meaningful and effective mini projects should be given to students focussing on 'learning'
- Emphasis on practical examples and interactive/participative discussion, debate, seminar to be promoted
- Focus on 'content delivery' to be reduced, 'making them do' approach
- Videos, eye catching illustrations, flowcharts, to be used as much as possible
- Students want the classes to be conducted in offline mode as its getting difficult for them to sit for such long hours in front of their laptops.
- Classes can either be arranged alternatively or maybe they are called for a weekly discussion for practical subjects.
- Fluctuation in network connection sometimes creates issues in the conduction of the

classes.

- Reduction in the screen hours/providing gaps between prolonged lectures/Practical.
- Architectural Competitions must be promoted amongst students
- Design classes to provide them necessary exposure and enthusiasm.
- Frequency of Expert Lectures through industry experts should be increased for students' industry exposure which is missing due to online classes in pandemic.
- In continuous assessment part, some weightage of attendance must be given.
- A certain minimum attendance criterion can be kept for appearing in mid-semester evaluations
- For online classes 45-10-05 model can be followed (45-minute session, followed by quiz and then break)
- Performance in assignment and quiz must be discussed in class

### **Summary of In-House Workshop at each Department**

S.No.	Department	Date(s)	Faculty participants
1	Civil Engineering	15.09.2021	20
2	Mechanical Engineering	15.07.2021, 23.07.2021 & 13.08.2021	88 (35+18+35)
3	Electrical Engineering	06,10,13 &17.09.2021	69 (23+23+23)
4	Electronics Engineering	15.09.2021	18
5	Computer Science and Engineering	10.09.2021	20
6	Information Technology	15.09.2021	13
7	Chemical Engineering	15.09.2021	08
8	Engineering Mathematics & Computing	20.09.2021	07
9	Humanities Department	27.09.2021	04
10	Architecture	08.09.2021	10

***The full department-wise report is enclosed as Annexure-XVI***

### **Item. 41: To review the placement status of 2021 and 2022 graduating students**

- The house reviewed the following report on placement status of 2021 and 2022 graduating students as presented by TPO of the Institute:

#### **2021 Batch Placements**

Sl. No.	Company Name	Salary Package (LPA)	Total
1	Tek System	Rs. 6.0	06
2	Hexaware Technologies	Rs. 3.6/5.0	8
3	LTI (L&T Infotech)	Rs.5.0	53
		Rs.6.5	7
		Rs.8.0	12
		Rs.10.0	1

4	Infosys	Rs.3.6	61
		Rs.5.0	6
		Rs.8.0	3
5	Deqode	Rs. 5.3	2
6	Accenture	Rs. 4.5	103
		Rs. 6.5	4
7	TCS-Ninja	Rs. 3.7	73
	TCS-Digital	Rs. 6.5	2
8	Jaro Education	Rs. 6.5	5
9	Kloudsopt	Rs. 6.5	3
		Rs. 7.9	0
10	Prism Johnsan	Rs. 4.5	2
11	LiuGong	Rs. 3.2	3
12	Sudarshan Chemical	Rs 4.5	4
13	Dhoot Transmission Pvt. Ltd.	Rs. 2.5	45
14	BYJU's	Rs. 10.0	3
15	NKS Agro	Rs. 2.0	3
16	Indian Hume Pipe	Rs. 3.1	15
17	Impetus	Rs. 3.6/5.0	1
18	Learningshala	Rs. 4.44	3
19	HP	Rs 3.0	In process
20	Reliance Jio	Rs. 4.0	3
21	IndiaMart	Rs 6.0	0
22	Amdocs	Rs. 4.0	13
23	upGrade	Rs 4.5	In Process
24	Axis Bank	Rs. 8.0	1
		<b>TOTAL</b>	<b>445</b>

Apart from above on-campus, Off Campus placements: 48 (Approximately)

### **2022 Batch- On going Placements (in Sep, 2021)**

S.No.	Companies	CTC Offered	Internship Offers	No. of students Offered
1	Kloudspot	Rs 7.45 LPA	25K/month	07
2	Bajaj Finserv Ltd.	Rs. 12.0 LPA	25K/month	01
3	LTI (L&T Infotech)	Rs. 5 to 8 LPA		20
4	Acuity Knowledge	Rs. 6 LPA	25K / month	02
5	SimplyfyVms	Rs. 6 to 8 LPA	25k/month	05
6	Persistent	Rs 4.7 to 9.0 LPA	10-20k/month*	32 #
7	Josh Technologies	Rs 9.8 LPA	25k/month	00
8	Accenture	Rs. 4.5 to 6.5 LPA		60 #
12	Fiftyfive technologies	Rs. 5 to 6 LPA	11.5k/month	In process
9	Parallel Wireless	Rs. 8.0 LPA		„
10	CSG International	Rs .7.5 LPA	25k/month	„
14	TCS Ninja	Rs. 3.6 to 7.5 LPA		„
15	Virtusa	Rs 6.5 LPA	10-20k/month*	„
16	Wipro	Rs 3.5 LPA		157

11	Capillary	Rs. 6.0 LPA	10-20k/month*	06
13	Inofsys	<b>Rs 3.6 to 8 LPA</b>		70 #
17	Newgen	Rs 4.71 LPA	18.5k/month	<b>In Process</b>
18	AdmitKart	Rs 10.7 LPA	15K/ month	<b>In Process</b>
		<b><u>TOTAL</u></b>		<b><u>360 ±</u></b>

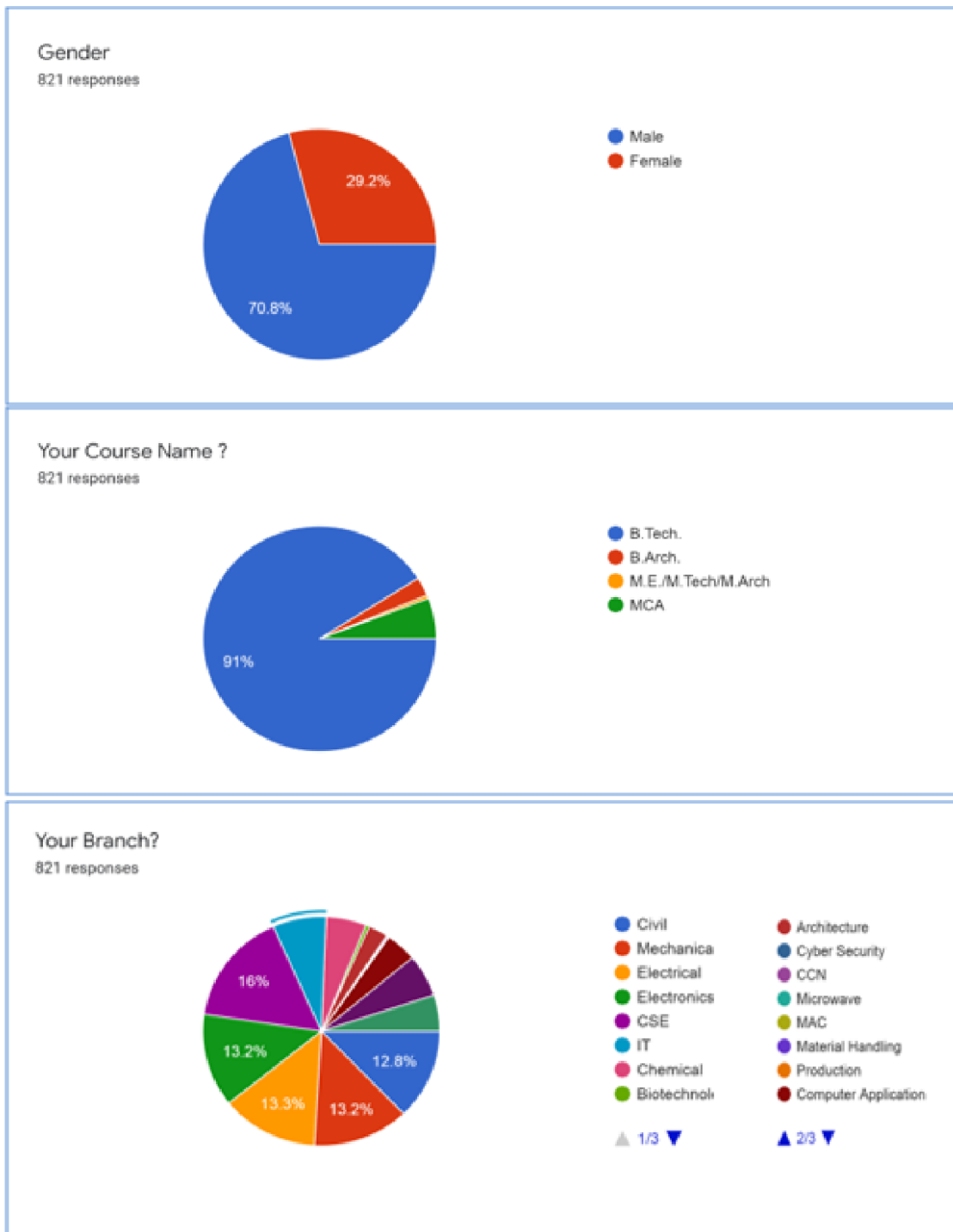
\*Not decided yet

# Few Interviews in process

**Item. 42: To review the Exit Survey Results**

- > **The house reviewed the following exit survey report as presented by TPO of the Institute:**

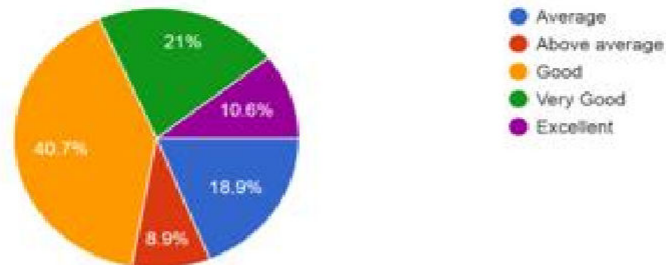
Total 821 Students have filled Exit Survey includes students from B.Tech/M.Tech/MCA/B.Arch





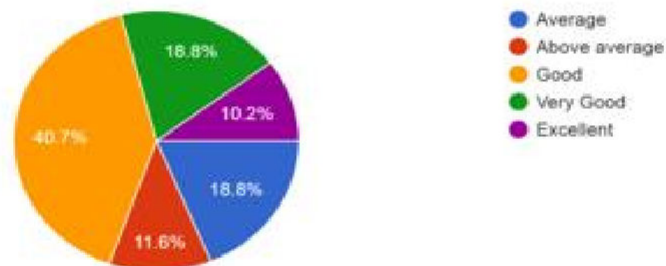
Rate the Faculty Teaching Approach in the UG or PG Programs:

821 responses



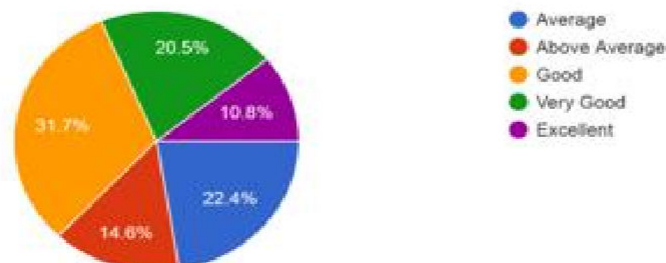
How were the teaching methods of faculty? Methods such as participative learning, experiential learning, and problem solving methodologies for enhancing learning experiences were used.

821 responses



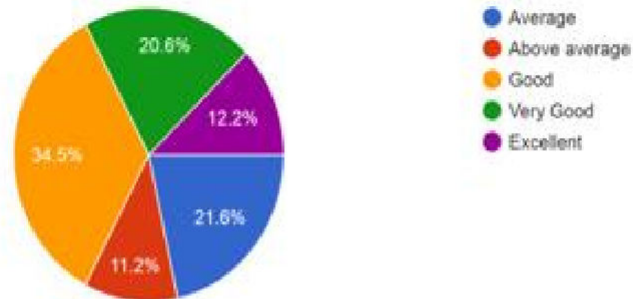
How was the usage of Learning and Technological Resources like LCD Projectors, Online Boards, Multimedia etc. by faculty in the class?

821 responses



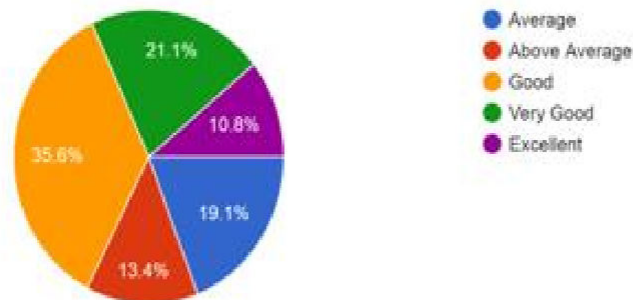
The full Syllabus of courses was completed through regular and additional/remedial classes

821 responses



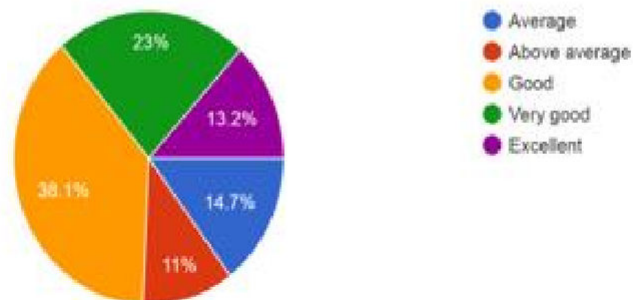
Relevance of Course curriculum or Program to Your Career Goals or Further Study:

821 responses



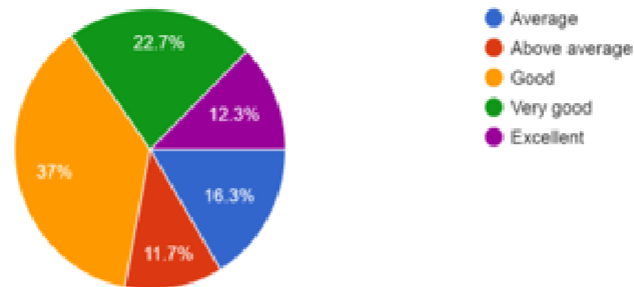
How was the teachers preparedness and communication in the class?

821 responses



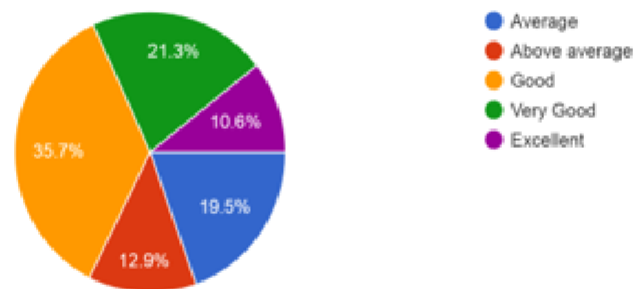
Does Faculty communicate to you about Course Outcomes (CO), Program Outcomes (PO) and expected learning & competencies from the course?

821 responses



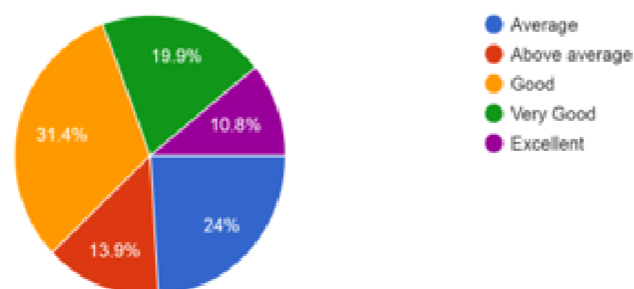
Institute helps you to improve your soft skills, life skills and employability skills to make you ready for Industry or Placements -

821 responses



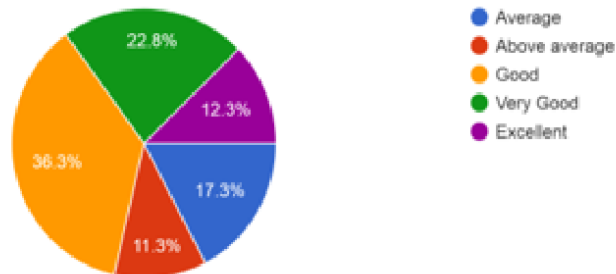
Institute support in Internships, Industrial Visits, Project work, Students exchange and other related activities was

821 responses



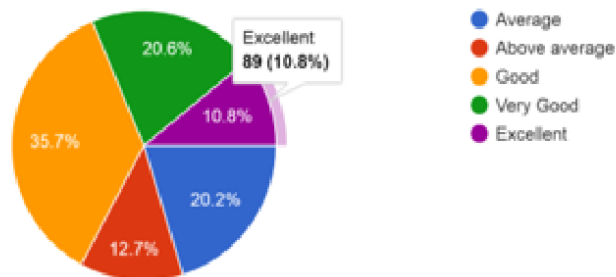
How were the Student Organizations, Technical & Social Clubs for your overall growth and learnings ?

821 responses



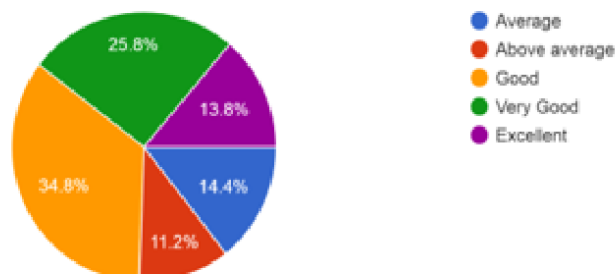
Promotion and Encouragement by Institute/Department for participation in Curricular and Extra-Curricular activities for development of students was

821 responses



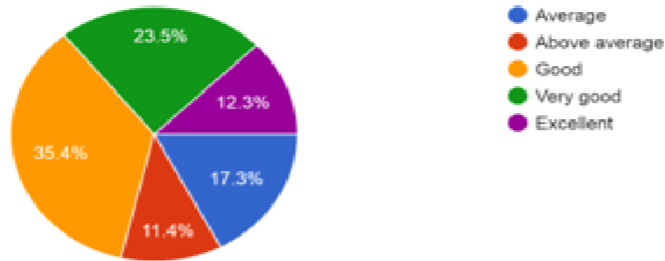
Quiz and assignments given by Faculty were helpful in learning?

821 responses



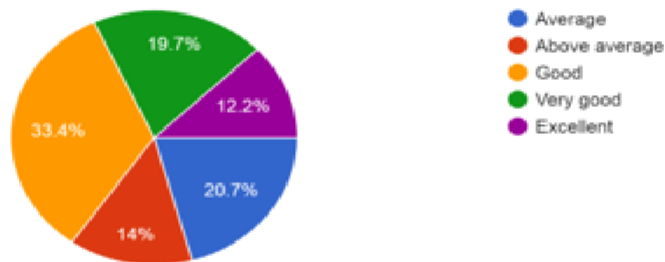
Fairness of Internal Evaluation process by faculty

821 responses



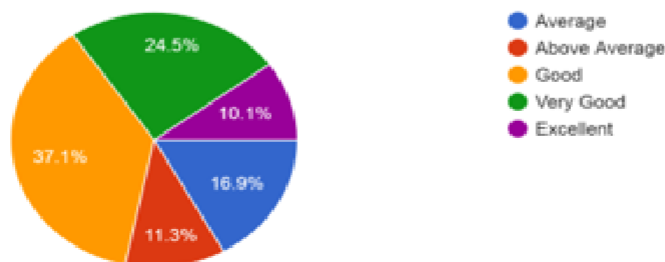
Library Resources in the Areas of Engineering, Research, Journals & e-Journals, Technical Magazines etc.

821 responses



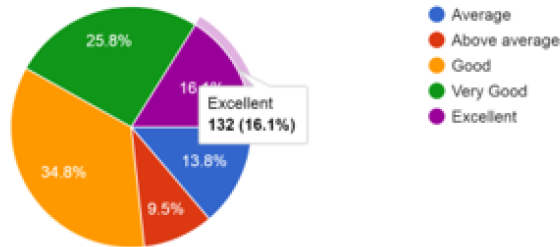
The flexible curriculum caters to individual career needs by providing choice of subjects. In your opinion, this curriculum approach is

821 responses



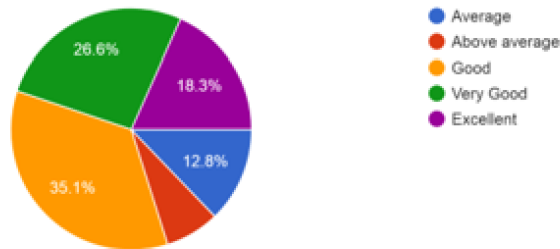
In the changing world knowledge of new technology and domains is expected from graduates. The NPTEL-MOOCs will help students in becoming self-learners and future ready

821 responses



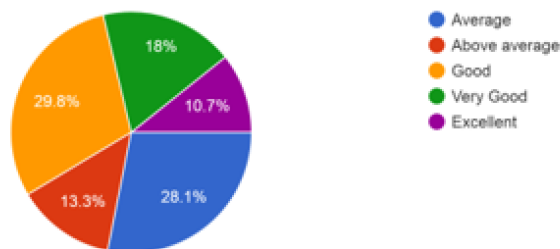
First time an opportunity was given for a full VIII semester internship/project. This provision will help in the career planning and growth for you and the future batches.

821 responses



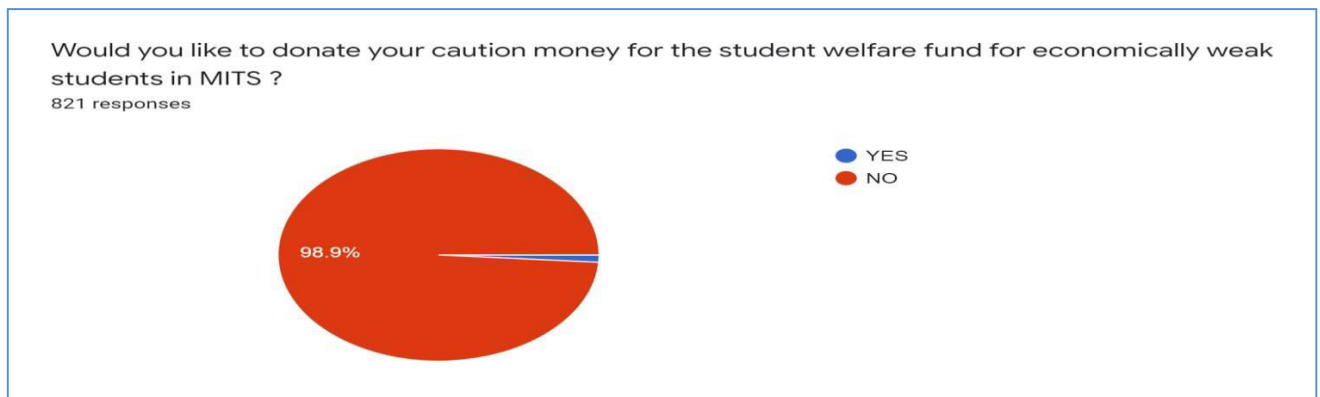
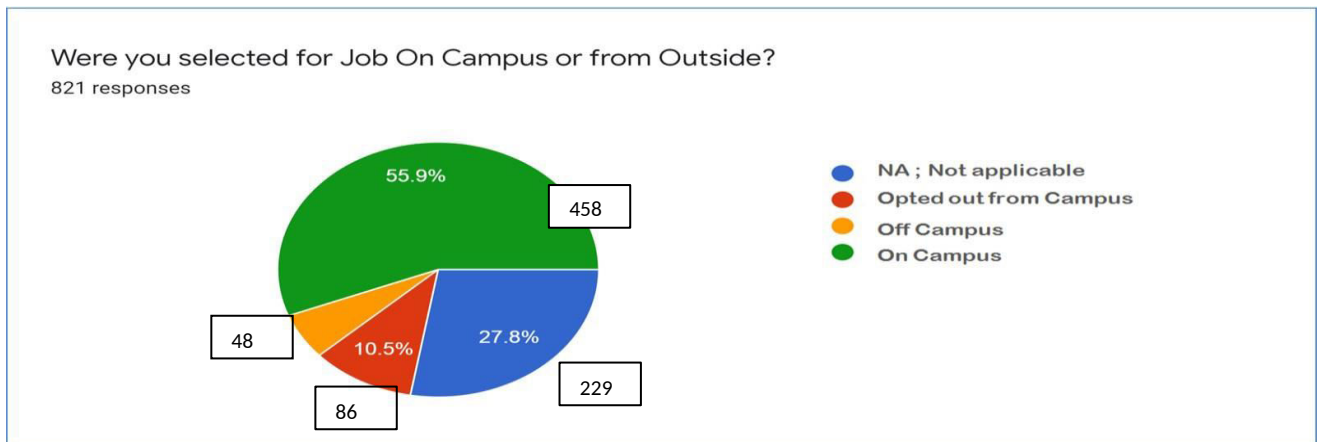
Training & Placement Support:

821 responses



**Students opted for HEIs ( Till exit survey/No dues process):**

IIT Alahabad	IIT KANPUR	NIT Trichy
IIIT Banglore	Indian Institute of Technology Kanpur	Nit Warangal
IIIT Hyderabad	Indraprastha institute of information technology delhi	Nit Warangal
IIITH	LNCT	Rgpv university
IIITM Gwalior	MANIT BHOPAL	SVNIT surat
IIT	MANIT BHOPAL	VNIT Nagpur
IIT Bhubaneswar	MITS	
IIT Delhi	MNIT Bhopal	
IIT Guwahati	Most probably NIT Calicut	
IIT Indore	NIT JAIPUR	
IIT Kanpur	NIT Rourkela	



**Item 43: Any other matter with the permission of the Chair.**

- **Dr. Nameesh Miglani**, General Secretary, Sunrise Technical Education Promotional Society, has suggested to give more emphasis on curriculum feedback through stakeholders as per NAAC guidelines.
- **Shri. Prashant Mehta, Member, Board of Governors** has suggested to:
  - develop a mechanism in the Institute to promote meritocracy and to award such faculty & staff on the occasion of Founders day of Institute.
  - organize Online/Offline workshops on some topics like Cryptocurrency/digital currency, financial management etc.
  - organize short term English Proficiency/Soft Skills training programme for the students for better performance in on/off campus recruitment process.
- The **Director of the Institute** has briefed following point about second phase of recruitment of Assistant Professors:
  - The joining of faculty will be scheduled in three days of November 2021.
  - In view of NEP-2020, the clause about provision of transfer of faculty in interdisciplinary department/programme to promote the multidisciplinary education will be mentioned in the appointment letters.
  - The dates for Faculty Induction Programme will also be fixed in November 2021 (just after the joining) to make aware the newly recruited faculty about Institute Academic & Administrative procedures and practices.



**(Dr. Pratesh Jayaswal)**  
**Coordinator IQAC**



**(Dr. R. K. Pandit)**  
**DIRECTOR**

Date: 08.10.2021