



Minutes of the Internal Quality Assurance Cell (IQAC) meeting on 25th March 2022

The meeting of the Internal Quality Assurance Cell (IQAC) was held on **25th March, 2022** 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-

1. Prof(Dr.) I.K. Bhat, Vice Chancellor, Manav Rachna University, Faridabad*
2. 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 Electrical Engineering & 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, Programmer

Nominees from Local Society, Students and Alumni -

1. Dr. Keshav Pande, Local Society, Journalist
2. Dr. Nameesh Miglani, General Secretary, Sunrise Technical Education Promotional Society*

Student Representative-

1. Ms. Muskan Gupta, Student*

Nominees from Employers/Industrialist/Stakeholders –

1. Ms. Shikha Gupta, Director(HR), Schneider Electric, Bangalore*

Coordinator of the IQAC-

Dr. Pratesh Jayaswal, Professor Mechanical Engineering & Coordinator, IQAC.

**Attended through online mode*



Item. 1: To confirm the minutes of the IQAC meeting on 23rd December 2021

- The minutes of the previous IQAC meeting dated 23.12.2021 regarding following points were confirmed:
- *The minutes of the IQAC meeting on 8th October 2021 were briefly discussed and confirmed.*
 - *The achievement of the NPTEL LOCAL CHAPTER, MITS, GWALIOR which has secured 5th Rank at all India level in 2021 was reported*
 - *The Conduction of the Faculty Induction Programme for newly appointed faculty (July and November, 2021) under IQAC was reported*
 - *The Academic Audit report by External Experts during 10-11, December, 2021 was reviewed.*
 - *The status of UG/PG admissions 2021-2022 was reported.*
 - *The information after monitoring student learning through weekly quiz and assignments was presented for a period 19.07.2021 to 30.10.2021*
 - *The Analysis of full VIII Semester Internship/Project data: Analysis vis-a-vis numbers and CGPA*
 - *The Report on Enrolment in OCs: A Branch Wise Analysis was presented*
 - *The Credits transferred to the transcripts through MOOCs; 8098 credits have been transferred since 2017-2018 till June 2021...*
 - *The Conduction of Workshop on "Market Driven Analysis for Dynamic Curriculum Development and Pedagogical Practices"{Ref. No. 1921 Date:27/10/2021} was reported.*
 - *The Conduction of on-line induction programme for First Year students was reported along with the schedule and the news coverage.*
 - *Guidelines prepared for pedagogical and examination reforms conforming to the broad theme/philosophy of NEP-2020 such as (i) 'Evaluation of Proficiency in Course' (ii) Skill based mini project, etc was reported*
 - *The Report on conduction of the Novel and Engaging Courses (NEC) was presented by the Dean Student Welfare and Suggestions / Experiences shared by NEC Mentors were discussed.*
 - *The Activities conducted under the 'Annual Gender Sensitization Plan' were reported.*
 - *The initiative taken to conduct Department Level Alumni Meet in virtual mode vide Order. No. 1886 Date:21/10/2021 was reported*
 - *The Initiative taken for increasing institutional visibility by providing MITS domain mail ids to students was reported*
 - *The status of OBE activities in the institute was reported*
 - *The report of the 3rd International Conference on "Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2021)" was presented.*
 - *The members were apprised about the initiative taken to organize International Conference of Undergraduate Students (ICUS-2021)*
 - *The IQAC was briefed about the status of implementation of MITS-MOOCs ("Introduction to Computer Programming") in July-December 2021 session*



- *The Cleanliness campaign/program by Holistic Health Club (HHC) MITS on Gandhi Jayanti was discussed*
- *The House was informed about the Academic Events conducted and attended by faculty members during 2020- 2021*
- *The Feedback on T-L-E collected on institute MOODLE in November 2021 (26th -27th November 2021) from the II to Final year students was presented (Teaching Session ended on 27th November 2021)*
- *Student counselling report (October to November 2021) was presented.*
- *The IQAC was briefed about the Gwalior Drone Mela organized by the institute on 11.12.2021 in collaboration with Ministry of Civil Aviation, Govt. of India and FICCI.*
- *The members were apprised about starting of the Girls NCC unit*
- *The IQAC was informed about the mechanism of review of the Annual Quality Assurance Report 2020-2021*

Item. 2: To apprise about the inclusion of the institute as a “Promising Institute” in Atal Ranking of Institutions on Innovation Achievements” (ARIIA)

- **Dr. Manjaree Pandit, Dean Academics** of the Institute has informed the House about the achievement of Institute in ARIIA-2021.
- **Shri Prashant Mehta, IAS, Member, BOG** and other external members have appreciated the efforts made by the Institute to support the Innovation and startup activities.
- The first time Institute has participated in the Atal Ranking of Institutions on Innovation Achievements (ARIIA)-2021. The Institute under the category of Technical Colleges/Institutes (Govt. & Govt. Aided) has listed promising band of ARIIA-2021.
- The institute was listed as a **“Promising Institute”** under the category Colleges/Institutes (Govt. & Govt. Aided) (Technical) in **Atal Ranking of Institutions on Innovation Achievements” (ARIIA), by Ministry of Education, Govt of India for year 2021.**
- Atal Ranking of Institutions on Innovation Achievements (ARIIA) is a path-breaking policy initiative of the Ministry of Education (MoE), Govt. of India implemented through AICTE and MoE’s Innovation Cell to systematically rank all major higher educational institutions and universities in India on indicators related to promotion and support of “Innovation and Entrepreneurship Development” amongst students and faculties.
- Taking the Indian innovation and start-up ecosystem in HEIs into account, various parameters comprise of input, process, output, and outcome parameters are included in the framework. Below are the major parameters considered in ARIIA for ranking:



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- Activities to promote and support innovation & start-up in the campus
 - Pre-incubation and incubation infrastructures & facilities available in campus
 - Academic courses offered by the institute on innovation, IPR and start-up
 - Successful innovation and start-ups emerged from campus
 - Investment, collaboration and partnerships with ecosystem enablers
 - Research outputs; publications and intellectual properties generated
 - Technology transfer and commercialization efforts
- Based on the score and range developed for the parameters and sub-parameters and category wise score and rank prepared for HEIs.
 - **Top-performing technical and non-technical HEIs assigned with a rank and band of 'Outstanding' whereas all the remaining technical and nontechnical institutions in each category assigned a band of either 'Excellent' 'Performer', 'Promising' or 'Beginner' to encourage their effort and participation in ARIIA.**
 - The Institute has also registered for the participation in ARIIA-2022, the process of data submission on ARIIA-2022 portal is under progress.



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Atal Ranking of Institutions on Innovation Achievements
Ministry of Education
Government of India

ARIIA
ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

ARIIA RANKING 2021

Home

Institute of National Importance & Central Universities/CFTIs (Technical) | University & Deemed to be University (Govt. & Govt. Aided) (Technical) | University & Deemed to be University (Private/Self Financed) (Technical) | Colleges/Institutes (Govt. & Govt. Aided) (Technical) | Colleges/Institutes (Private / Self Financed) (Technical) | CFIs (Non-Technical) and General (Non-Technical)

Colleges/Institutes (Govt. & Govt. Aided) (Technical)

Ranked | Band-Excellent | Band-Performer | **Band-Promising** | Band-Beginner

Band-Promising

Show 10 entries Search:

InstituteID	InstituteName
ARI-C-36239	"MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GOLE KA MANDIR, P.O. RESIDENCY, GWALIOR-474005"
ARI-C-29359	CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY
ARI-C-26833	COLLEGE OF VETERINARY SCIENCES & ANIMAL HUSBANDRY, AIZAWL
ARI-C-6528	DR. B. R. AMBEDKAR INSTITUTE OF TECHNOLOGY
ARI-C-225	DR. S. & S. S. GHANDHY GOVERNMENT ENGINEERING COLLEGE, SURAT.
ARI-C-51374	DUMKA ENGINEERING COLLEGE
ARI-C-22884	GOVERNMENT COLLEGE OF ENGINEERING & TECHNOLOGY
ARI-C-34341	GOVERNMENT COLLEGE OF ENGINEERING (ACADEMIC AUTONOMOUS)
ARI-C-56586	GOVERNMENT COLLEGE OF ENGINEERING ,Nagpur
ARI-C-36980	GOVERNMENT COLLEGE OF ENGINEERING ,Salem

Showing 1 to 10 of 28 entries Previous 1 2 3 Next

© 2021 | Atal Ranking of Institutions on Innovation Achievements

Item. 3: To report about the post Covid Student support initiatives

- **Dr. R K Pandit, Director** of the Institute has appraised the house about the support to the students who lost their parents due to COVID-19. Following are the details of students support:
- In IQAC meeting on **8th October 2021**, Vide Item no 10, points (viii) and (ix) the House was informed about the **initiatives being taken to support students**, 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).
 - In this connection, the following action was taken; seven students who lost their parents during the Covid second wave have been provided 60% waver in tuition fee for academic year 2021-2022.



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No.: 30

Date: 05.01.2022

ORDER

In continuation to order No. 1630 dated 09.09.2021 & notice No. DSW/726 dated 23.09.2021 regarding possible support from Institute for the students who have lost their parents due to COVID-19 during the current academic year, waiver of 60% in tuition fee (up to the limit of Maximum Rs. 50,000/-) for the year 2021-22 for following students is granted under Student support initiative of IQAC of the Institute:

S. No.	Name	Branch	Year	Enrollment No.	Remark
1.	Vidhi Agrawal	Architecture	IV	0901AR181037	-
2.	Sonam Shakya	CSE	II	0901CS201124	-
3.	Gaurav Yadav	Electrical Engineering	IV	0901EE181045	Subjected to submission of proof of Death due to Covid-19
4.	Renu Chaturvedi	Civil Engg.	III	0901CE191091	-
5.	Ankit Singh Dhakad	Civil Engg.	III	0901CE191014	-
6.	Ayan Mukharya	Electronics Engg.	III	0901EC191037	-
7.	Prateek Tumrali	Mechanical Engg.	III	0901ME191089	-

Note: This is one time support which is being extended on account of prevailing extraordinary circumstances due to COVID-19 pandemic. Further, it should not be considered as precedence in future.


(Dr. R. K. Pandit) 5.1.22
Director

Item. 4: Appreciation by the external auditors of Academic & Administrative Audit (AAA)

- The Dean Academics of the Institute has informed the House about the appreciation and positive feedback by the external auditors of Academic & Administrative Audit (AAA). The external Academic & Administrative Audit (AAA) was conducted on 10th & 11th December 2021. The reports were presented in the previous IQAC meeting on 23rd December 2021.
- The experts expressed a desire to record their observations through a short video clip recorded in the Digital Studio of the institute. Dr. N.C. Shivprakash also suggested that such clips should be recorded frequently and uploaded on the institute website and public media platforms to improve the peer perception and visibility of the institute.



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— **The video links are available at:**

1. **Dr. N.C. Shivprakash, Former Professor, IISc, Bangalore**

<https://youtu.be/ozyFoCuiQ2Y>

2. **Dr. Indrajit Bhattacharya, Director, National Accreditation Board for Engineering & Training, a body under the Quality Council of India (QCI), Ministry of Commerce & Industry**

<https://youtu.be/osv2AbMVf7c>

Item. 5: Celebration of national and international commemorative days, events and festivals at the institute

- The house reviewed the activity completion reports of following national and international commemorative days, events and festivals celebration at the institute:



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Ref: 1852

ORDER

Date: 11/10/21

As per the expectations of UGC/AICTE/NAAC & other quality assurance bodies, celebration of National / International commemorative days, events / festivals is essential. Following Faculty Coordinators are appointed for conduction of the activities:

Sr. No.	Event Name	Date/Day	Faculty Coordinator
Group 1			
01	Republic Day	26 th January	Central Committee
02	Independence Day	15 th August	
Group 2			
01	National Youth Day	12 th January	Prof. Punit K. Johri Dr. Ashish Agrawal
02	National Cleanliness Day	30 th January	
03	International Women's Day	08 th March	
04	International Day for Elderly People	1 st October	
Group 3			
01	Anti-leprosy Day	30 th January	Dr. Parul Saxena Dr. Vikram
02	Immunization Day	16 th March	
03	World Health Day	7 th April	
04	National Nutrition Week	1 st to 7 th September	
Group 4			
01	Prevention of Blindness Week	1 st to 7 th April	Dr. Amit Aherwar Dr. Monica Chauhan Bhadoriya
02	National Fortnight on Eye Donation	23 rd Aug. - 8 th Sept.	
03	Global Iodine Deficiency Disorder (IDD) Day	21 st October	
04	International Day of Disability Person	3 rd December	
Group 5			
01	World Forestry Day	21 st March	Prof. Deepak Rastogi Dr. Rahul Dubey
02	World Day for Water	22 nd March	
03	World Red Cross Day	8 th May	
04	World Environment Day	5 th June	
Group 6			
01	Hindi Divas	14 th September	Dr. Shourabh Bhattacharya Dr. Suneeta Kumari
02	Mahatma Gandhi's Birthday	2 nd October	
03	International week of science	10 th November	
04	International Day for Tolerance and Peace	16 th November	
Group 7			
01	Technology Day	11 th May	Dr. Karuna Markam Dr. Chayan Gupta
02	World Telecommunications Day	17 th May	
03	Teachers Day	5 th September	
04	National Energy Conservation Day	14 th December	
Group 8			
01	World Book Day	23 rd April	Prof. Aneesh P.Jacob Ms Anjula Mehto
02	International Literacy Day	8 th September	
03	Child Rights Day	20 th November	
04	Human Rights Day	10 th December	

Dr. R. Kansal, Dean Student Welfare will provide preliminary objectives / guidelines for celebration. All Faculty Coordinators are required to submit activity completion report to Dean Student Welfare.

Copy to:


(Dr. R. K. Pandit) 10-10-21
Director

Vide Order no 272 dated 22nd February 2022 Prof. D. Rastogi has been replaced by Prof. A.K. Saxena.

The reports of events conducted so far are available at
<https://www.mitsgwalior.in/commemorative%20days.php>



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MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR (M.P)
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Celebrates

ANTI LEPROSY DAY
ON 30 TH JANUARY 2022
Time-4 PM ONWARDS

**Join hands to beat LEPROSY
and End STIGMA**

Scan this QR Code to Register



Dr. Preet Kaur
Speaker
Addl SMO (Dermatologist)
Civil Hospital, Fatehabad

E-CERTIFICATE TO EACH REGISTERED PARTICIPANTS

Faculty Coordinators
Dr. Parul Saxena
Dr. Vikram

Student Coordinators
Harshita Ranawat
Satya Singh Chandel

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR (M.P)
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celebrating

IMMUNIZATION DAY
ON 16 MARCH 2022
TIME -3pm onwards



Dr. Anirudh Bhushan
MD Neuropsychiatry,
PGI Rohtak

E-Certificate Will Be Provided
To The Participants

Scan this QR Code to Register →



Faculty Coordinators
Dr. Parul Saxena
Dr. Vikram

Student Coordinators
Harshita Ranawat
Satya Singh Chandel

Item. 6: Constitution of Two State-Level Awards by the institute

- The Head of the Institution has appraised the house about Institute Initiative to confer the following two awards on the occasion of MITS-Day (10th March) to commemorate the memory of the Late Maharaj Madhavrao J. Scindia:
 1. स्वर्गीय राजमाता विजयाराजे सिंधिया नारी शक्ति सम्मान
 2. स्वर्गीय महाराज माधवराव सिंधिया कुशल प्रशासक सम्मान
- 12 nominations were received for both of these awards. On 10th March 2022, these awards were conferred to following for significant contribution in the area of health care and women empowerment and Education and society welfare:
 - **स्वर्गीय राजमाता विजयाराजे सिंधिया नारी शक्ति सम्मान** was conferred to **Dr. Kusum Lata Singhal**, Obstetrician & Gynaecologist, Gwalior of Koteswar Hospital, Shabd Pratap Ashram, Gwalior
 - **स्वर्गीय महाराज माधवराव सिंधिया कुशल प्रशासक सम्मान**, was conferred to **Sh. Bhagirath Prasad (Retd. IAS), Former, Member of Parliament, India**
Bhagirath Prasad has been an Indian Member of Parliament, who represented the Bharatiya Janata Party in the Lok Sabha (lower house), for the Bhind Lok Sabha constituency in Madhya Pradesh state.

एम आई टी एस ग्वालियर द्वारा दिए जायेंगे

मध्यप्रदेश स्तर पर दो वार्षिक सम्मान

सन्तोष सिंह

एम आई टी एस के बोर्ड ऑफ गवर्नर के चेयरमैन श्री ज्योतिरादित्य सिंधिया की स्वीकृति उपरांत संस्थान ने दो सम्मान देने का फैसला लिया है यह सम्मान दो ऐसी हस्तियों को याद में गठित किए जा रहे हैं जिनका नाम एम आई टी एस के इतिहास में स्वर्णिम अक्षरों में लिखा हुआ है यह सम्मान संस्थान के पूर्व चेयर पर्सन स्वर्गीय राजमाता विजयाराजे सिंधिया तथा स्वर्गीय माधवराव सिंधिया को समर्पित है तथा उनकी याद में स्थापित किए जा रहे हैं, स्वर्गीय राजमाता विजयाराजे सिंधिया जी लगभग 40 वर्षों तक संस्थान की ममतामई चेयर पर्सन तथा प्रेरणास्रोत रही एवं स्वर्गीय माधवराव सिंधिया ने बहुत कम समय में संस्थान को प्रगति की नयी दिशा दी उनके संरक्षण में बहुत ही कम समय में संस्थान ने प्रगति के नए आयाम नई ऊंचाइयों को प्राप्त

किया. पहला अवार्ड स्वर्गीय राजमाता विजयाराजे सिंधिया नारी शक्ति सम्मान जो किसी विशेष व्यक्ति या किसी संस्था के द्वारा नारी सशक्तिकरण या महिलाओं के उत्थान के लिए महिलाओं के जीवन स्तर को सुधारने की दिशा में या लैंगिक संवेदनशीलता स्थापित करने की दिशा में किए गए उल्लेखनीय काम के लिए दिया जाएगा व्यक्ति या संस्था जिन्होंने महिलाओं के लिए प्रशंसानीय कार्य किया हो या समाज में व्याप्त महिलाओं के प्रति भेदभाव को कम करने की दिशा में कोई उपलब्धि हासिल की हो ऐसे लोग या संस्था इस सम्मान के लिए नामांकित किए जाएंगे या नामांकन के योग्य होंगे. दूसरा कुशल प्रशासक सम्मान होगा जो किसी व्यक्ति विशेष या संगठन को जिन्होंने समाज की बेहतरी के लिए कुछ उल्लेखनीय कार्य किया हो जिससे समाज के लोगों के जीवन की जमीनी स्तर पर कुछ बेहतरी या परिवर्तन देखने को मिला हो या सामाजिक उत्थान के लिए स्थापित किसी सरकारी योजना का कुशलतापूर्वक क्रियान्वयन किया हो ऐसे लोग या संस्थाएं इस अवार्ड के लिए नामांकित किए जाएंगे या नामांकन के योग्य होंगे. संस्थान के निदेशक डॉ आर के पंडित ने बताया कि हर वर्ष 10 मार्च को स्वर्गीय माधवराव सिंधिया जी की जयंती के उपलक्ष में एम आई टी एस कार्यक्रम आयोजित करता है तथा इस दिन को संस्थान एम आई टी एस दिवस के रूप में मनाता है हर वर्ष इसी दिन दोनों अवार्ड प्रदान किए जाएंगे। इन दोनों अवार्ड के बारे में सारी जानकारी संस्थान की वेबसाइट पर उपलब्ध रहेगी तथा प्रिंट एवं दूसरे मीडिया में भी उपलब्ध कराई जा रही है।



Item. 7: Report on the new registration portal for ‘Novel Engaging Courses (NEC)’ developed by the students

- **Dr. Rajeev Kansal**, Professor Civil Engineering & Dean, Student Welfare has presented following report on **Novel Engaging Course Registration**.
- A website/ web portal for Novel Engaging Course registration for IV Semester students is developed by the **Software Development Club** under the guidance of **Shri Atul Chauhan, Programmer**.

[\(http://nec.mitsweb.in/\)](http://nec.mitsweb.in/)

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

Web portal features: System ensured that all the students are able to login smoothly.

"Forget password" option was also available on this system

The registration was done under the following conditions.

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

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



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The registration was done under the following conditions.

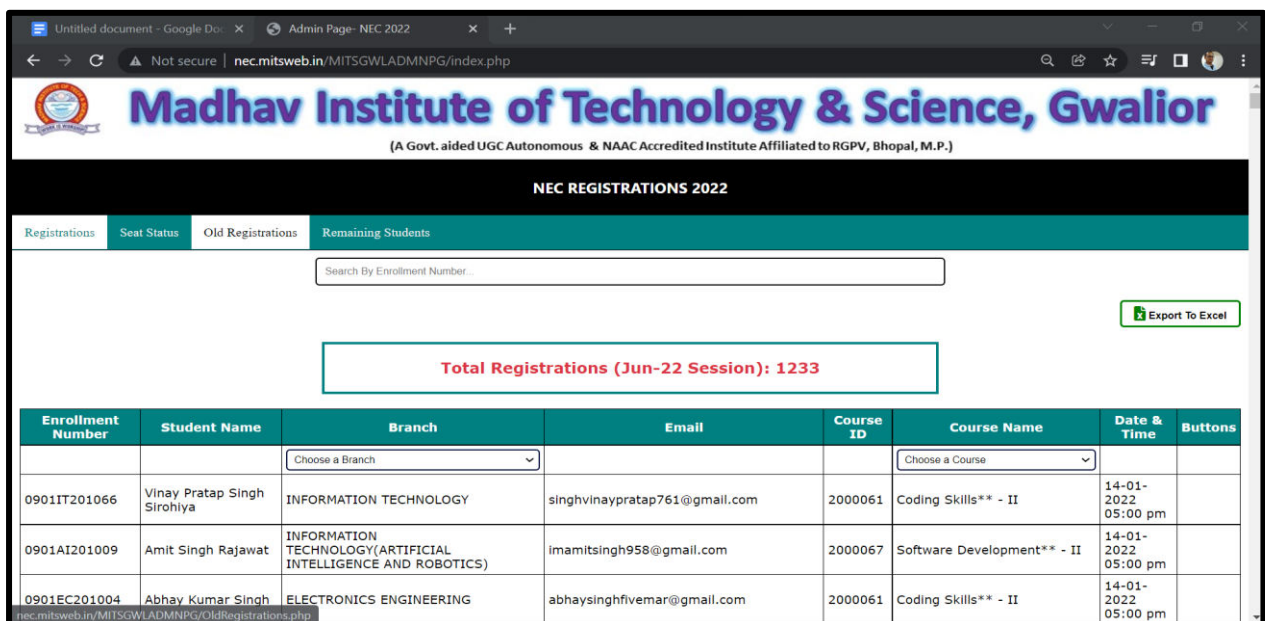
- i. Course which was offered in the UG III semester, should not be selected again.
- ii. Courses of more than 1 credit (i.e. any course of 2 or more credits) can only be selected by those students who had opted for Part-I of that course in the III semester.
- iii. Only one entry was allowed per student.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

Development team: Anurag Dubey, Amit Singh Rajawat and team

Novel Engaging Course registration login Page for IV sem students



Registration Page





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Seat Status Report

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

Remaining Students Report

Remaining Students: 21

Enrollment Number	Student Name	Branch	Email
0901AI201001	Aditya Birla	INFORMATION TECHNOLOGY(ARTIFICIAL INTELLIGENCE AND ROBOTICS)	adityabirla285@yahoo.com
0901AU201015	Manish Manjhi	AUTOMOBILE ENGINEERING	manishmanjhi3589@gmail.com
0901AU201027	Rohit Ojha	AUTOMOBILE ENGINEERING	rohit_bhind05@gmail.com
0901AU201031	Vikash Kaurav	AUTOMOBILE ENGINEERING	Kauravvikash7999@gmail.com
0901CE201055	Jitendra Bagri	CIVIL ENGINEERING	jltendrabagri.knp2019@gmail.com
0901CE201063	Laxman Alave	CIVIL ENGINEERING	laxmanalave246@gmail.com
0901CE201140	Nirbhay	CIVIL ENGINEERING	#N/A
0901CM201033	Rohit Kushwah	CHEMICAL ENGINEERING	rohitkush1940@gmail.com
0901EC201041	Divya Rajee Pratap	ELECTRONICS ENGINEERING	20EC1041@mitsgwl.ac.in
0901EC201059	Khushi Tiwari	ELECTRONICS ENGINEERING	tiwaritractors18@gmail.com
0901EC201075	Pallavi Sharma	ELECTRONICS ENGINEERING	pallavisharma250701@gmail.com

Remaining student report on 11/03/2022



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Remaining Students: 9

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

Registrations
Seat Status

Old Registrations
Remaining Students

Search By Enrollment Number...

Export To Excel

**Total Registrations
(Jun-22 Session):
1246**

Enrollment Number	Student Name	Branch
		Choose a Branch

2:43 PM
MECHANICAL

Total registration 1246
2:43 PM



Item. 8: Report on the registrations in ‘Novel Engaging Courses (NEC)’ in IV semester, January-June 2022 Session

- The Dean, Student Welfare has informed the house about the registration in following 44 courses offered in this session:

S.No.	Course ID	Course Name	Mentor Name	Mentor Department	Session	Filled Seats	Vacant Seats
1	2000001	3D Printing	Gavendra Norkey	Mechanical	Jun-22	20	33
2	2000009	Animation	Amit Kumar Manjhvar	CSE	Jun-22	50	0
3	2000045	Artistry* - II	Pooja Sahoo	Electronics	Jun-22	10	40
4	2000074	Basic and Advanced Excel	Abhilash Shukla	Civil	Jun-22	50	0
5	2000109	Basic Programming of Python using Google Colab	Hemant Choubey	Electronics	Jun-22	47	3
6	2000124	Basics of Campus Recruitment Training	Trilok Pratap Singh	MBA	Jun-22	46	4
7	2000108	Basics of MATLAB Programming	Sandeep Sharma	Electronics	Jun-22	20	30
8	2000071	Basics of Technical Analysis in Stocks	Ankit Kumar	Architecture	Jun-22	50	0
9	2000083	Cloud Computing: Techniques & Tools	Mir Shah Nawaz Ahmad	CSE	Jun-22	50	0
10	2000061	Coding Skills** - II	Rajni Ranjan Singh	CSE	Jun-22	40	14
11	2000121	Creative thinking and problem solving	Harbhajan Ahirwar	Mechanical	Jun-22	26	24
12	2000004	Data Analysis Skills	D K Jain	Maths & Comp.	Jun-22	22	28
13	2000003	Design Skills Using Simulation Software	Sharad Agrawal	Mechanical	Jun-22	21	29
14	2000011	Digital Learning* - II	Punit Kumar Johari	IT	Jun-22	14	36
15	2000012	Elements of Photographic Skills	Deep Kishore Parsediya	Electronics	Jun-22	15	36
16	2000064	Emerging Technologies in Computer Science	Mahesh Parmar	CSE	Jun-22	18	32
17	2000048	English Literary Skills	Sanjeev Khanna	Humanities	Jun-22	12	38
18	2000014	Environment Protection* - II	Aditya K. Agarwal	Civil	Jun-22	28	28
19	2000052	Food and Nutrition	Anjula Gaur	Applied Science	Jun-22	28	22
20	2000033	Games & Sports** - II	B.P.S. Bhadoria	Sports	Jun-22	49	11
21	2000072	Graphic Design	Satyam Shukla	Architecture	Jun-22	50	0
22	2000049	Hindi Language Skills	Angad Singh Ojha	Maths & Comp.	Jun-22	17	33
23	2000113	Introduction to Entrepreneurship: Challenges and Opportunities	Varun Sharma	Electronics	Jun-22	22	28



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24	2000089	IT Tools	Abhishek Dixit	IT	Jun-22	9	41
25	2000086	Knowing Madhya Pradesh	Anjula Mehto	CSE	Jun-22	50	0
26	2000025	Mentoring Skills** - II	Sapna Kumari	Counselling Cell	Jun-22	18	32
27	2000112	Music - The Melody of Life	Shubhi Kansal	Electronics	Jun-22	11	39
28	2000021	National Cadet Corps** NCC - II	B.P.S. Bhadoria	NCC	Jun-22	20	30
29	2000017	National Service Scheme** NSS - II	Manish K. Sagar	NSS	Jun-22	33	27
30	2000057	Personality Development* - II	Anjali S Patil	Architecture	Jun-22	23	27
31	2000070	Photo Editing Software: Adobe Photoshop	Versha Sinha	Architecture	Jun-22	50	0
32	2000037	Physical Fitness* -II	Rajendra Prasad Kori	Mechanical	Jun-22	22	33
33	2000059	Public Speaking* - II	Manish Dixit & Ankita Sengar	CSE & Arch.	Jun-22	16	34
34	2000096	Python for Image processing applications using Open CV	Pawan Dubey	IT (AIR)	Jun-22	50	0
35	2000106	Renewable Energy Technology: Domestic load requirements	Rahul Sagwal	Electrical	Jun-22	18	32
36	2000111	Research Paper Writing	Dinesh Rano	Electronics	Jun-22	8	42
37	2000007	Robotics	Karuna Markam	Electronics	Jun-22	36	17
38	2000081	Science and Technology Around Us	Rakesh Kumar Dubey	Chemical	Jun-22	8	42
39	2000080	Shutter Up-Flash Me Photography	Shourabh S. Raghuvanshi	Chemical	Jun-22	15	35
40	2000087	Smart World Technology	Kalka Dubey	CSE	Jun-22	13	37
41	2000067	Software Development** - II	Atul Chauhan	Data Resource	Jun-22	28	25
42	2000090	Understanding Financial Markets	Saumil Maheshwari	IT	Jun-22	50	0
43	2000008	Vehicular Skill Development	Vedansh Chaturvedi	Mechanical	Jun-22	25	25
44	2000073	World Heritage Sites: A Brief Overview	Richa Mishra	Architecture	Jun-22	15	35
Total filled						1223	

- **Shri Prashant Mehta**, Member, BOG and **Prof. I. K. Bhat**, Vice Chancellor, Manav Rachna University, Faridabad have suggested to introduce a subject **Ethical Hacking** as Novel Engineering course.



Item. 9: Report on student feedback on ‘Novel Engaging Courses (NEC)’ conducted for the first time in July-December 2021 for III semester students

- The Dean, Student Welfare, has presented following report on student feedback collected for ‘Novel Engaging Courses (NEC)’ conducted in July-December 2021 for III semester students:

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

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

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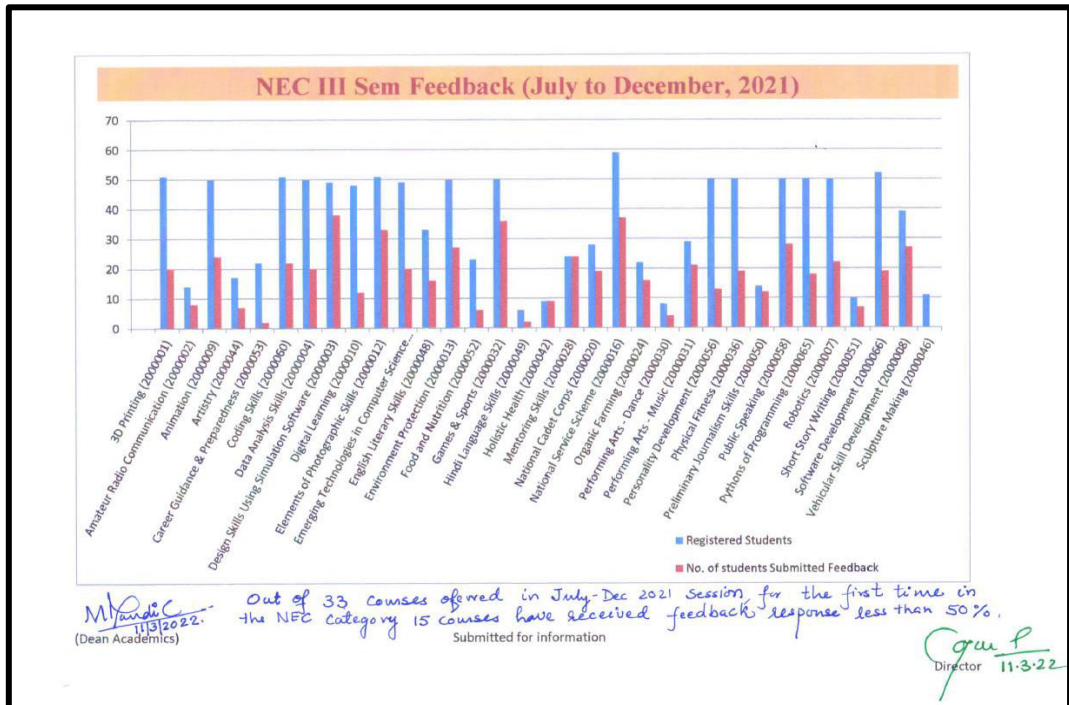


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Sl. No.	Course Name	Faculty	Enrolled	Completed	Grading										Average
					Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	
20	National Service Scheme (2000016)	Dr. Manish Sagar	59	37	4.5	4.3	4.7	4.4	4.3	4.1	4.4	4.3	4.4	4.3	4.37
21	Organic Farming (2000024)	Dr. Archana Tiwari	22	16	4.6	4.5	4.9	4.6	4	4.2	4.7	4.6	4.5	4.7	4.53
22	Performing Arts - Dance (2000030)	Prof. Parul Saxena	8	4	5	5	5	5	5	4	5	5	5	5	4.90
23	Performing Arts - Music (2000031)	Dr. S.Bhattacharya	29	21	4.2	4	4.7	4.3	4	4	4.4	4	4.1	4.1	4.18
24	Personality Development (2000056)	Dr. Anjali S. Patil	50	13	4.3	3.9	4.8	4.1	3.8	3.9	4.6	4	3.9	4	4.13
25	Physical Fitness (2000036)	Dr. Rajendra Prasad Kori	50	19	4.7	4.5	4.6	4.5	4.1	4.2	4.1	4.3	4.5	4.3	4.38
26	Preliminary Journalism Skills (2000050)	Prof. Anish P. Jacob	14	12	5	4.8	5	4.8	4.8	4.5	4.9	4.7	4.7	4.7	4.79
27	Public Speaking (2000058)	Dr. Manish Dixit & Ankita Sengar	50	28	4.7	4.3	4.8	4.7	4.5	4.3	4.6	4.6	4.7	4.7	4.59
28	Pythons of Programming (2000065)	Dr. Prabhakar Sharma	50	18	4.4	4	4.6	4.2	4	3.9	4.4	4	4.3	4.1	4.19
29	Robotics (2000007)	Dr. Karuna Markam	50	22	4.3	4.2	4.6	4.2	4.6	3.7	4.4	4	4	4	4.20
30	Short Story Writing (2000051)	Dr. C.S. Malvi	10	7	4.3	4.3	4.6	4.4	4.3	4	4.6	4.6	4.4	4.7	4.42
31	Software Development (2000066)	Mr. Atul Chauhan	52	19	4.4	4.4	4.7	4.2	4.2	3.9	4.5	4	4.2	4.4	4.29
32	Vehicular Skill Development (2000008)	Prof. Vedansh Chaturvedi & Ajay Rajput	39	27	4.1	3.9	4.9	4.1	3.7	3.9	4.3	4	4	4.1	4.10
33	Sculpture Making (2000046)	Mr. Pranshi Jain	11	0	--	--	--	--	--	--	--	--	--	--	--
Total			1169	588	588										

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



➤ **Dr. Nameesh Miglani**, General Secretary, Sunrise Technical Education Promotional Society has suggested to take corrective measures to improve the feedback responses and also emphasised to take measures for the subject animation as the feedback is comparatively less (3.76/5).



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ITEM 9: Report on feedback of the Novel Engaging Courses offered in the previous semester, Continued.....

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

S. No.	Name of the Course	Mentor Name	Registered Students	No. of students Submitted Feedback	Feedback Questions Score on 5 Point Scale										Average
					Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	
1	3D Printing (2000001)	Dr Gavendra Norkey	51	20	4.5	4.4	4.5	4.5	4	4.2	4.3	4	4.2	4.2	4.28
2	Amateur Radio Communication (2000002)	Dr. Vandana Vikas Thakare	14	8	4.7	4.6	5	4.6	4.2	3.8	4.8	4.5	4.7	4.6	4.55
3	Animation (2000009)	Prof. Amit Kumar Manhjwar	50	24	3.8	3.6	4.5	3.7	3.9	3.4	4	3.5	3.6	3.6	3.76
4	Artistry (2000044)	Prof. Pooja Sahoo	17	7	4.6	4.1	5	4.7	4.6	4.1	4.6	4.6	4.1	4.4	4.48
5	Career Guidance & Preparedness (2000053)	Dr. Praveen Bansal & Swati Gupta	22	2	4	4.5	4.5	4.5	4	4	3.5	4.5	4.5	4	4.20
6	Coding Skills (2000060)	Dr. R.R. Singh	51	22	4.7	4.4	4.8	4.7	4.5	4.2	4.3	4.7	4.7	4.5	4.55
7	Data Analysis Skills (2000004)	Dr. D.K. Jain	50	20	4.5	4.4	4.6	4.5	4.4	4.2	4.4	4.3	4.3	4.4	4.40
8	Design Skills Using Simulation Software (2000003)	Prof. Sharad Agrawal	49	38	4.4	3.7	4.4	4	4	3.6	4.3	3.9	3.8	3.9	4.00
9	Digital Learning (2000010)	Dr. Punit Kumar Johari	48	12	4.5	4.5	4.7	4.5	4.4	4.2	4.6	4.2	4.4	4.5	4.45
10	Elements of Photographic Skills (2000012)	Prof. Deep Kishore Parsediya	51	33	4.4	4.3	4.6	4.5	4.1	4	4.3	4.3	4.3	4.3	4.31
11	Emerging Technologies in Computer Science (2000064)	Prof. Mahesh Parmar	49	20	4.4	4.4	4.7	4.3	4.2	4	4.3	4.2	4.2	4.2	4.29
12	English Literary Skills (2000048)	Dr. Sanjeev Khanna	33	16	4.8	4.8	5	4.8	4.8	4.4	4.9	4.8	4.9	4.7	4.79
S. No.	Name of the Course	Mentor Name	Registered Students	No. of students Submitted	Feedback Questions Score on 5 Point Scale										Average



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S. No.	Name of the Course	Mentor Name	Registered Students	No. of students Submitted	Feedback										Average
					4.7	4.6	4.7	4.6	4.4	4.2	4.5	4.9	4.5	4.5	
13	Environment Protection (2000013)	Prof. Aditya K Agarwal	50	27	4.7	4.6	4.7	4.6	4.4	4.2	4.5	4.9	4.5	4.5	4.56
14	Food and Nutrition (2000052)	Dr. Anjula Gaur	23	6	4.8	4.6	5	4.8	4.8	4.8	4.8	4.6	4.8	4.5	4.75
15	Games & Sports (2000032)	Dr. BPS Bhadoria	50	36	4.7	4.4	4.8	4.4	4.3	4.2	4.6	4.5	4.6	4.4	4.49
16	Hindi Language Skills (2000049)	Prof. A.S. Ojha	6	2	5	5	5	5	5	5	5	5	5	5	5.00
17	Holistic Health (2000042)	Dr. Vishal Chaudhary	9	9	4.9	4.7	4.8	4.8	4.5	4.1	4.5	4.6	4.6	4.6	4.61
18	Mentoring Skills (2000028)	Dr. Sapna Kumari	24	24	4.9	4.8	5	5	5	4.6	4.9	4.8	4.8	4.8	4.86
19	National Cadet Corps (2000020)	Dr. BPS Bhadoria	28	19	4.8	4.5	4.8	4.7	4	4.3	4.7	4.7	4.8	4.8	4.61
20	National Service Scheme (2000016)	Dr. Manish Sagar	59	37	4.5	4.3	4.7	4.4	4.3	4.1	4.4	4.3	4.4	4.3	4.37
21	Organic Farming (2000024)	Dr. Archana Tiwari	22	16	4.6	4.5	4.9	4.6	4	4.2	4.7	4.6	4.5	4.7	4.53
22	Performing Arts - Dance (2000030)	Prof. Parul Saxena	8	4	5	5	5	5	5	4	5	5	5	5	4.90
23	Performing Arts - Music (2000031)	Dr. S.Bhattacharya	29	21	4.2	4	4.7	4.3	4	4	4.4	4	4.1	4.1	4.18
24	Personality Development (2000056)	Dr. Anjali S. Patil	50	13	4.3	3.9	4.8	4.1	3.8	3.9	4.6	4	3.9	4	4.13
25	Physical Fitness (2000036)	Dr. Rajendra Prasad Kori	50	19	4.7	4.5	4.6	4.5	4.1	4.2	4.1	4.3	4.5	4.3	4.38
26	Preliminary Journalism Skills (2000050)	Prof. Anish P. Jacob	14	12	5	4.8	5	4.8	4.8	4.5	4.9	4.7	4.7	4.7	4.79
27	Public Speaking (2000058)	Dr. Manish Dixit & Ankita Sengar	50	28	4.7	4.3	4.8	4.7	4.5	4.3	4.6	4.6	4.7	4.7	4.59
S. No.	Name of the Course	Mentor Name	Registered Students	No. of students Submitted	Feedback Questions Score on 5 Point Scale										Average



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			Feedback												
28	Pythons of Programming (2000065)	Dr. Prabhakar Sharma	50	18	4.4	4	4.6	4.2	4	3.9	4.4	4	4.3	4.1	4.19
29	Robotics (2000007)	Dr. Karuna Markam	50	22	4.3	4.2	4.6	4.2	4.6	3.7	4.4	4	4	4	4.20
30	Short Story Writing (2000051)	Dr. C.S. Malvi	10	7	4.3	4.3	4.6	4.4	4.3	4	4.6	4.6	4.4	4.7	4.42
31	Software Development (2000066)	Mr. Atul Chauhan	52	19	4.4	4.4	4.7	4.2	4.2	3.9	4.5	4	4.2	4.4	4.29
32	Vehicular Skill Development (2000008)	Prof. Vedansh Chaturvedi & Ajay Rajput	39	27	4.1	3.9	4.9	4.1	3.7	3.9	4.3	4	4	4.1	4.10
33	Sculpture Making (2000046)	Pranshi Jain	11	0	--	--	--	--	--	--	--	--	--	--	--
Total			1169	588	588										

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

Action taken on feedback

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



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Item 10: Report of the offline campus connect programme conducted by each department to welcome the students to the campus

- Dr. Akhilesh Tiwari, Professor & Head, Information Technology has apprised the house about the conduction of campus connect programme organized by each department, following is the detailed report:
 - A department level **“Off-line Campus Connect Program”** was planned to sensitize the students for smooth **transition from on-line to off-line/blended mode classes**
 - The idea behind conducting this activity was to create a sense of belongingness for the institution among the students and to prepare them for attending classes in off-line mode.
 - **It was announced in the meeting of HoDs and Deans that the departments which will conduct this event in an innovative manner will be awarded.**
 - This program was conducted on 2nd March for II, III and IV year students and on 14th March for the first year students.
 - The following notice was circulated.

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DA/MP/2022/1445 Date: 22/02/2022

NOTICE

Subject: The decision taken to conduct a department level **“Off-line Campus Connect Program”** to sensitize the students for smooth transition from on-line to off-line classes
Aim: The idea behind conducting this activity is to create a sense of belongingness for the institution among the students.

As discussed in the meeting of the HoDs, Deans, Registrar and Exam Controllers with the Director the following guidelines must be followed:

1. A department level team is to be constituted by the HoD for conducting this event on the first day itself.
2. First, the students will be welcomed to the institute, followed by introduction of all faculty members.
3. Then the students will be briefed about the vision, mission of institute/department, achievement/activities, placements of past students of the institute & department through power point.
4. Students will be briefed about the provisions of Flexible Curriculum, NEP-2020, projects, internships which are there for making students “Job ready”
5. There will be introduction of students. One by one each will be asked to come forward and express his/her views/experiences of past online teaching /expectations/career goals etc.
6. Tour of labs and other institute infrastructure
7. Games, Zumba or similar other fun activities in the lawns/spaces adjoining the department (With permission from Dean Student Welfare for better coordination of spaces)
8. Each department can use their own imagination for conducting this programme within the specified guidelines above.
9. The brief report along with schedule, attendance etc. of this student support activity must be sent to the office of the Dean Academics latest by 7th March 2022.
10. **The best performing department will be identified and awarded on 10th March 2022.**


(Dr. Manjaree Pandit)
Dean Academics



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Summary of Offline Campus Connect Programme

(II & III Year: 2nd March 2022)

S. No.	Name of Department	Number of students present	Attendance (%)
1.	Civil Engineering	34	14
2.	Mechanical/ Automobile Engineering	135	38
3.	Electrical Engineering Electrical (IoT)	197	66
4.	Electronics & Electronics Telecommunication Engineering	212	59
5.	Computer Science and Engineering	90	38
6.	Information Technology	188	78
	Internet of things		
	Artificial Intelligence and Robotics		
7.	Mathematics and computing	38	58
8.	Chemical Engineering	56	70
9.	Engineering Mathematics and Computing	38	58
10.	Architecture	78	98

Summary of Offline Campus Connect Programme

(First Year: 14th March 2022)

S. No.	Name of Department	Number of students present	Attendance (%)
1.	Civil Engineering	65	54
2.	Mechanical Engineering	67	38
	Automobile Engineering		
3.	Electrical Engineering	79	71
	Electrical (IoT)	49	
4.	Electronics & Electronics	70	63



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	Telecommunication Engineering	44	
5.	Computer Science and Engineering	85	63
	Computer Science and Design	67 including PG	
6.	Information Technology	127	42
	Internet of things		
	Artificial Intelligence and Robotics		
	Artificial Intelligence (AI) and Data Science		
	Artificial Intelligence and Machine Learning		
7.	Chemical Engineering	08	40
8.	Engineering Mathematics and Computing	32	53
9.	Architecture	10	25

Evaluation Criteria for Offline Campus Connect Program

- **Seven criteria** were used for evaluation; schedule, attendance, conduction, feedback, percentage response, innovation, and report. Based on these, the following departments were identified as First and Second.
- There was a tie for the second position. Both IT and EE are getting same points. The CSE department got 32 out of 35 points and IT & EE both got 31 out of 35.
- The compilation of the reports received from the departments was done by the office of the Dean Academics.
- The recommendation was submitted to the Director and after approval the awards were given on 21st March 2022.



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Evaluation Criteria for Offline Campus Connect Program

Department	Schedule	Attendance(%)	Feedback Response Index(5)	Conduction	Innovation	Report	Remarks		
CSE	Very Good	38	63	18%	4.63	Excellent	<ul style="list-style-type: none"> Covid awareness recording was played Interesting schedule and themes Oath by students Awards given to students in different categories 	Very Good	<ul style="list-style-type: none"> The involvement of all faculty was nicely shown. Evidences presented with photographs. Fun & Games conducted The photographs are very nice and students seem to have enjoyed a lot.
IT	Very good	78	42	09%	4.31	Very Good	<ul style="list-style-type: none"> Invitation through online messenger Geotag based prior location sharing ICT Enabled Attendance System Counselling session 	Very Good	<ul style="list-style-type: none"> Very detailed, covered all points well All faculty members actively participated
MAC	Very Good	58	53	--	--	Good	Not visible	Good	Evidence of all activities mentioned in schedule was not found in report
EC & ET	--	59	63	--	---	Very Good	<ul style="list-style-type: none"> Recording has been shared for both II & III year EC/ET Counselling session 	Good	<ul style="list-style-type: none"> All faculty members actively participated All issues were nicely covered
Mech & Auto	Very good	38	38	--	--	Very Good	<ul style="list-style-type: none"> Interesting schedule and themes Guest invited for the event 	Good	<ul style="list-style-type: none"> All faculty members actively participated All issues were nicely covered Photographs and lab visit nice presentation
Electrical	Very good	66	71	46%	4.43	Very Good	Laboratory visits and 33kV substation visit in the institute campus	Very Good	<ul style="list-style-type: none"> The involvement of all faculty was nicely shown. Evidences presented elaborately with nice photographs Fun & Games conducted
Civil	Very good	14	54	--	--	Good	Not visible	Very Good	<ul style="list-style-type: none"> The involvement of all faculty was nicely shown. All issues were nicely covered
Chemical	Very good	70	20	--	--	Very Good	Not visible	Good	<ul style="list-style-type: none"> The photographs are very nice and students seem to have enjoyed a lot.
Architecture	--	65	25	--	---	Very good	Outdoor activity, games etc.	Good	<ul style="list-style-type: none"> The photographs are very nice and students seem to have enjoyed a lot. All issues were nicely covered by the faculty All faculty members actively participated

M. Pandit
(Dr. Manjaree Pandit) 17/03/2022

Summary Sheet

(Offline Campus Connect Program)

Department	Schedule (5 points)	Attendance (%) (5 points)*	Feedback Response Index (5 points each)	Conduction (5 points)	Innovation (5 points)	Report (5 points)	TOTAL (Out of 35)	RANK
CSE	5	3	4	5	5	5	32	FIRST
IT	5	5	3	4	5	5	31	SECOND
MAC	5	4	--	3	2	3	17	
EC & ET	3	5	--	4	3	3	18	
Mech & Auto	5	2	--	4	3	3	18	
Electrical	5	5	5	4	4	4	31	SECOND
Civil	5	2	--	3	2	4	17	
Chemical	5	5	--	4	2	3	19	
Architecture	3	3	--	4	4	3	17	

* If average percentage attendance is between 60-70 then 5 points, if between 50-60 then 4 points, if between 40-50 then 3 points else 2 points allotted

M. Pandit
(Dr. Manjaree Pandit)
Dean Academics

Recommendation: As the points earned by the three departments are very close and also much higher than other departments, it is recommended that CSE, IT and EE, all three should be awarded.

Submitted for approval

R.K. Pandit
(Dr. R.K. Pandit)
Director

The department-wise report is enclosed as Annexure-



Item 11: Report on the Meritocracy Award Ceremony on 21st March 2022

- The Director of the Institute has appraised the house that, the IQAC in its meeting on **March 3rd 2020** resolved to promote a culture of **meritocracy over mediocrity** and to identify and differentiate between performers and non-performers. It was decided that persons who take ownership and initiative to start new practices, and/or excel in the existing activities, will be rewarded on the basis of recommendations/nomination. Following are the details of IQAC initiative on **Meritocracy Awards**:
- On 10th March 2021 the institute started the practice of giving ‘**Meritocracy Awards**’ to faculty and staff, for their ‘**significant contribution**’ in quality enhancement of the institute. Sixteen employees were awarded along with 5 best performing clubs.
- This year on **21st March 2022**, **the illustrious members of the Board, Professor K.K. Aggarwal, Chairman, National Board of Accreditation (NBA), New Delhi, Shri Prashant Mehta, IAS, Former Director General, Academy of Administration, Bhopal, Er. Ramesh Agrawal, Secretary Scindia Engineering Society, Gwalior and Dr. Laxmikant Markhedkar, Secretary, Jiwajirao Educational Society, Vidisha** conferred the meritocracy awards initiated by the IQAC to 41 employees of the institute for their significant contribution, under 10 different categories
- The first category was ‘Contribution to Quality Enhancement’, the second is ‘Development of MOOC’, in the third category awards are being given for ‘efforts made for the integration of NEP 2020 in the curriculum’, the fourth category is ‘Implementation of Examination Reforms’, the fifth ‘Administrative Efficiency’, the sixth category includes ‘Achievements of faculty members in NPTEL Examination’ the seventh category of these awards is for ‘Teaching-Learning’, and under the eighth category, awards are given for “Sincerity, hard work and support leading to value addition”.
- Under category nine, for the first time, “Research awards”, are being given to 18 faculty members for “paper presentation in “Indexed journals during 2021” and the tenth category is for “editing Book” with quality publishers.

Summary: Category-wise			
S.No.	Category	Activity	Awarded
1.	Contribution in Quality Enhancement	For Administrative competence leading to quality improvement	01



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2.	Development of MOOC	Establishing Institutional Distinctiveness through innovative teaching-learning by developing on-line courses for helping students become self-learners	02
3.	Integration of NEP 2020 in the curriculum	Modifying the schemes & structures of the flexible curriculum of the institute to conform to NEP-2020 guidelines	01
4.	Implementation of Examination Reforms	Conduction of examinations in multiple modes, creating mechanism for credit transfer, for awarding minor specialization and Honours degrees for the first time	02
5.	Administrative Efficiency	For highest 'Administrative Efficiency index (AEI)' in first and second semesters respectively	02
6.	Achievements in NPTEL Examination	For being "TOPPER IN NPTEL-MOOC Course" & for being "NPTEL discipline star	02
7.	Special contribution in teaching-learning Based on feedback index	Faculty members who have scored Average faculty feedback index) FFI > 4.25 in both semesters of year 2021 These were given in 3 sub-categories: Sub-Category-I-Only First Year:03 Sub-Category-II-Category-II-Second to Final Year: 01 Sub-category-III- First to Final Year: 01	05
8.	Sincerity, hard work and support leading to value addition	Efficiency & Support provided in academic, administrative and infrastructure maintenance	07
9.	Research Awards (For publishing quality research papers)	Bringing visibility and accolades to the institute through Paper publication in SCIE, ESCI & Scopus indexed research journals and edited books in year 2021	18
10.	Publishing Edited Book		01
	TOTAL		41

एमआईटीएस में दिए मेरीटोक्रेसी अवॉर्ड



पत्रिका plus रिपोर्टर

ग्वालियर माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस (एमआईटीएस) में मेरीटोक्रेसी अवॉर्ड दिए गए। मुख्य अतिथि के रूप में एनबीए के चेयरमैन डॉ.केके अग्रवाल मौजूद थे। इस मौके पर डॉ. प्रवेश जायसवाल को एडमिनिस्ट्रेटिव कॉन्फिडेंस लीडिंग टू क्वालिटी इंप्रूवमेंट, डॉ. पीके सिंघल को कंडक्शन ऑफ एग्जामिनेशन इन मल्टीपल मोड, डॉ.मनीष सागर को ऑनलाइन टीचिंग लर्निंग, प्रो.मीर शहनवाज अहमद को इन्ोवेटिव

टीचिंग लर्निंग में विशेष योगदान के लिए सम्मानित किया गया। इसके अलावा डॉ.मनोज कुमार, डॉ.मंजरी पंडित व डॉ.संजीव शर्मा को अन्य विधाओं में पुरस्कार प्रदान किए गए। स्टूडेंट्स क्लब एवं प्रोफेशनल सोसाइटी चैटर्स कैटेगरी में भी अवॉर्ड दिए और प्रत्येक विजेता टीम को 5 हजार रुपए की नकद राशि भी दी गई। इस मौके पर बीओजी के सदस्य प्रशांत मेहता, सिंधिया इंजीनियरिंग सोसायटी के सचिव इंजी.रमेश अग्रवाल, निदेशक आरके पंडित आदि उपस्थित थे।



ग्वालियर सिटी भास्कर 23-03-2022

शोधकार्य को बढ़ावा देने और बेहतर कार्यों के लिए फैकल्टी को दिए पुरस्कार

एमआईटीएस: अवॉर्ड सेरेमनी

सिटी रिपोर्टर | माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस (एमआईटीएस) में अवॉर्ड सेरेमनी का आयोजन किया गया। इसमें रिसर्च, संस्थान के लिए बेहतर योगदान देने वाली फैकल्टी, डिपार्टमेंट संस्थान के क्लबों को अवॉर्ड दिए गए। कार्यक्रम के मुख्य अतिथि एनबीए के चेयरमैन डॉ. केके अग्रवाल, संस्थान के बोर्ड ऑफ गवर्नर्स के सदस्य प्रशांत मेहता, सिंधिया इंजीनियरिंग सोसाइटी के सचिव रमेश अग्रवाल, डॉ.लक्ष्मीकांत और निदेशक डॉ.आरके पंडित मौजूद रहे।

• इन्हें मिला सम्मान: समारोह में डॉ.प्रवेश जायसवाल, डॉ.पीके सिंघल, प्रो.मीर शहनवाज अहमद, डॉ.मनोज कुमार, डॉ.मंजरी पंडित, डॉ.संजीव शर्मा और डॉ.मनीष दीक्षित को अवॉर्ड दिए गए।



• अतिथियों से पुरस्कार लेते फैकल्टी मेंबर।

• इन्हें मिली 5 हजार की राशि: संस्थान के मुकेश मौर्य ने बताया कि स्टूडेंट्स क्लब और प्रोफेशनल सोसाइटी कैटेगरी में विजेता को 5 हजार की पुरस्कार राशि दी गई। इसमें प्रथम को-ऑर्डिनेटर बंदना ठाकरे की टीम, दूसरे पर विशाल चौधरी व तीसरे स्थान पर कोऑर्डिनेटर पूजा साहू की टीम रही।



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Item 10: Regular monitoring of the status of MOOC development/conduction at the institute

- **The Dean Academics** has appraised the house regarding following status of MOOC development/conduction:
 - 15 lecture recordings completed between 24/01/20202 to 22/02/2022.
 - Digital Studio is open on Saturdays and Sundays also to facilitate the faculty members and expedite the MOOC development process.
 - During this period MOOC on “Digital filter Design” by Dr. Rahul Dubey was completed.
 - **Dr. Nameesh Miglani**, alumni member of IQAC has suggested to make necessary efforts in uploading of MOOCs on appropriate digital platform for extensive utilization with due auditing/quality evaluation of developed MOOCs. Dr. Miglani also suggested to utilize the facilities developed by Inflibnet and resources available through digital initiatives of Government of India.

The MOOCs developed till date are available at: <https://mitsgwalior.in/moocs.php>

S.no	Title
1	Introduction to Computer Programming(230102)
2	Solar PV System: Design & Economics(130614)
3	CYBER SECURITY (100004)
4	Regionally Responsive Architecture (210514)
5	Digital Filter Design

The status of MOOC development is being monitored continuously using the following Format.

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Ref. No. DA/MP/004 Date: 21/01/2022

NOTICE

Due to the COVID situation, the MOOC Development activity in the institute has been slow so far. However, some faculty members have worked hard and completed their recordings.

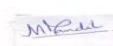
Now it is targeted that the MOOCs in pipeline (Notice no 1460 was issued on 11/8/2021) are to be completed by **31st March, 2022** positively. Please ensure that the concerned faculty members are present in the digital studio at the assigned time slots.

The recording can also be done on Saturdays or holidays, necessary arrangements for the same must be made by the I/c Digital Studio.

The information must be sent by the concerned faculty (in soft copy, digitally signed) in the following format latest by **24th January, 2022**.

Name of Course	Name of the Faculty	Level	No. of Recorded	No. of Sessions Remaining	Expected date of Completion

Digital Signature of Faculty


(Dr. Manjaree Pandit)
Dean (Academic)



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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Item 11: Conduction of the Cyber Security course in MITS-MOOC format for the first time

- The Dean Academics of the Institute has appraised the house that for the first time, the cyber security (credit course) was offered in MITS-MOOC format. Following are the conduction aspects of the Cyber Security course in MITS-MOOC format:
 - Guidelines for mentoring were provided to each department mentor along with the edited links of recordings.
 - ‘Intellectual Property rights’, ‘Disaster Management’ and audit course of ‘Indian Constitution and Traditional Knowledge’ were also conducted in the same manner.
 - An online session on “How the cyber security course is to be mentored” was conducted for training all the mentors.

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.) (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal) Department of Computer Science and Engineering	
Date: 17/01/2022	
Report of Online Session	
Type of activity:	Online Session
Title of the activity:	How the course of cyber security is to be mentored
Date and duration of activity:	15 Jan., 2022 (02:30 PM to 03:00 PM)
Special Presence by:	Dr. Manjaree Pandit (Dean Academics)
Attendants:	1. Mr. Nipun Gupta (Asst. Prof., Dept. of Electrical Engg.) 2. Dr. Rakesh Kumar Dubey (Asst. Prof., Dept. of Chemical Engg.) 3. Mr. Sharad Agrawal (Asst. Prof., Dept. of Mechanical Engg.) 4. Dr. Gavendra Norkey (Asst. Prof., Dept. of Mechanical Engg.) 5. Mr. Wajid Hussain (Asst. Prof., Dept. of Civil Engg.) 6. Ms. Namrata Agrawal (Asst. Prof., Dept. of IT)
Session delivered by:	1. Mr. Mir Shahnawaz Ahmad (Asst. Prof., Dept. of CSE) 2. Mr. Arun Kumar (Asst. Prof., Dept. of CSE)
Session Objectives:	1. To understand the purpose of introducing the course of cyber security in different branches of engineering. 2. To understand the action plan for taking classes using MITS MOOC and methodology of mentoring students for the course of cyber security.
Session Outcome:	At the end of the session, all the participating faculty members from different departments thoroughly understood the purpose of the cyber security course and the action plan to be followed for mentoring the students of respective branches.
Link for the session recording:	https://drive.google.com/file/d/1wv8V-iFXOvibC4Y_wnH9epvKG_vkG_DL/view?usp=sharing



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Ref. No. DA/MP/003

Date: 19/01/2022

NOTICE

The Cyber Security course is a mandatory course (MC) which is being offered using MOOC developed at the institute, for the first time. For effective conduction of the course, all the HoDs are required to inform the faculty mentors of the Cyber Security course to follow the below-listed instructions so that for the students achieve their learning goals:

1. During the reserved time slot for mentoring, each mentor has to discuss the concepts taught during the MOOC recordings with the students.
2. To enhance the student's interest in the course, a quiz with 5 to 10 MCQs, containing the concepts taught in each session, should be conducted by the mentor faculty, after the 30-minute video is displayed.
3. To generate interest and to utilize the time effectively, a few students in each session can be nominated to present a short seminar on different topics/concepts related to cyber security in the real world.
4. The mentoring sessions (after the video lecture) are to be recorded and the link to be shared similar to other courses, on a weekly basis.
5. The HoDs are required to monitor the conduction of the mentoring session, carefully.

Please note that Faculty Feedback will also be conducted for each mentor of the Cyber Security course. Also a session by the subject matter experts from CSE/IT Dept. will be arranged after the Mid Semester-I exam to highlight/ summarize the concepts covered.

(Dr. Manjaree Pandit)
Dean (Academic)

➤ Feedback of mentoring sessions was taken to ensure that the norms were followed.

Cyber Security Feedback					
Electrical Engineering					
Faculty Name	Registered Students	Link Send to students	Response	% Response	FFI
Mr. Nipun Gupta	145	75	40	53.33	3.84
Electronics Engineering					
Dr. Varun Sharma	144	144	55	38.19	3.88
Dr. Shubhi Kansal	69	69	9	13.04	3.56
Mechanical Engineering					
Dr. Jyoti Vimal	182	182	62	34.04	3.88



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Civil Engineering					
Wajid Hussain	149	149	44	29.53	3.74
Chemical Engineering					
Dr. Rakesh Kumar Dubey	40	30	19	63.33	4.08
Information Technology					
Ms. Namrata Agrawal	75	75	27	36.00	3.63

Item 12: To report on workshops/seminars conducted on Research Methodology (RM), Intellectual Property Rights (IPR), entrepreneurship and skills development

- The IQAC Coordinator has presented a report of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), entrepreneurship and skills development under IQAC. Following is the summary of workshops/seminars:

S. No.	Name of workshop	Date	Number of Participants	Coordinated by
1.	Statistics for Research	28/09/2021	31	Dr. VP Sinde Prof. & Head Department of Engineering Mathematics & Computing, MITS Gwalior
2.	Intellectual Property Right (IPR)	29/10/2021	133	Dr. Sanjeev Khanna Department of Humanities, MITS Gwalior
3.	Online Seminar on the topic of Entrepreneurship & Start-up awareness Program	16/12/2021	35	Dr. P.S Badhoria EDC
4	Patent Filing	28/1/2022	133	Dr. Sanjeev Khanna Department of Humanities, MITS Gwalior
5	Seminar under IQAC on "Government schemes and financial assistance to support new entrepreneurs"	11/03/2022	64	Dr. P.S Bhadhoria EDC



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Item 13: Minutes of the ADC meeting on 23rd February 2022

{to discuss implementation issues of 'Multiple Mode Teaching Learning Pattern (MMTLP) under the Flexible Scheme w.e.f. 2020 admitted batch, conforming to NEP-2020}

- The Chairperson of Academic Development Cell, Dr. Manjaree Pandit has appraised the house regarding the Academic Development Cell meeting held on 23.02.2022 to resolve the issues related to “General Scheme and Structure of the Flexible Curriculum w.e.f 2020-2021”:
 - The **schemes, structures and syllabi** were reviewed after Academic Council meeting for issues like uniformity & inter-disciplinary coordination, implementation challenges, finalization of modes of exam etc. on 3rd January 2022 in the meeting of the HoDs. The final version, received from the departments, was reviewed in the meeting.
 - The “**General Scheme and Structure of the Flexible Curriculum w.e.f 2020-2021**” admitted batch, with incorporation of NEP 2020 was presented by Dr. Akhilesh Tiwari. It was discussed, reviewed and approved with minor corrections.
 - The “**Sample Lecture Plan**” based on the **Multiple Mode Teaching Learning Pattern** (MMTLP) conforming to the Implementation of National Education Policy 2020 (NEP 2020) in the institute was also presented by Dr. Akhilesh Tiwari for the course ‘Data Structures’, enclosed below in Table A.
 - It was decided that each department will prepare and implement the same for one course as a pilot. One in-house workshop will be conducted for the same at each department to get ideas and compare/compile notes.



Date: ~~28/02/2022~~
feb 23rd 2022

MINUTES
of

The Meeting of the "Academic Development Cell"

The meeting of the ADC was held on **23rd February 2022** from 4.30-6.00 PM in the Board room. The following members were present:

1. Dr. Manjaree Pandit
2. Dr. P.K. Singhal
3. Dr. S. Wadhvani
4. Dr. Pratesh Jayaswal
5. Dr. Akhilesh Tiwari

In addition to the ADC members Dr. Sunita Sharma, Dy. Controller Examination also joined as special invitee.

The Director of the institute also joined the meeting.

The following issues were discussed and resolved:

1. The schemes, structures and syllabi were reviewed after Academic Council meeting for issues like uniformity & inter-disciplinary coordination, implementation challenges, finalization of modes of exam etc. on 3rd January 2022 in the meeting of the HoDs. The final version, received from the departments, was reviewed in the meeting.
2. The "**General Scheme and Structure of the Flexible Curriculum w.e.f 2020-2021**" admitted batch, with incorporation of NEP 2020 was presented by Dr. Akhilesh Tiwari. It was discussed, reviewed and approved with minor corrections. **The same is enclosed as Annexure.**
3. The "**sample lecture plan**" based on the Multiple Mode Teaching Learning Pattern (MMTLP) conforming to the Implementation of National Education Policy 2020 (NEP 2020) in the institute was also presented by Dr. Akhilesh Tiwari for the course 'Data Structures', enclosed below in Table A.
4. It was decided that each department will prepare and implement the same for one course as a pilot. One in-house workshop will be conducted for the same at each department to get ideas and compare/compile notes.

P.K. Singhal Sunita Sharma V.A. Singh M.K.P.



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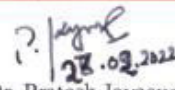
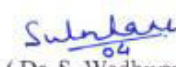


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Table A: Modes of Teaching
Subject: Data Structures

UNIT	CONTENT	MODE
Unit-1	Algorithm and their Characteristics	Offline / Black Board Teaching
	Asymptotic Analysis	Learning through experimentation
	Array and its representation	Online mode
	Linked List	Offline / Black Board Teaching
	Operations on Linked list and arrays	Activity based Learning
Unit-2	Stack, Queue Concept	Group based Learning
	Infix to postfix conversion	Online mode
	Operations on stack	Online mode
	Operations on Queue	Online mode
	Circular and deQueue concept	Offline / Black Board Teaching
	Priority Queue	Group based Learning
Unit-3	Tree types, terminology	Offline / Black Board Teaching
	Tree traversal	Online mode
	Tree implementation	Learning through experimentation
	AVL tree	Online mode
	Binary Search tree	Online mode
Unit-4	Graphs, terminology	Offline / Black Board Teaching
	Graph representation	Learning through experimentation
	Graph traversal	Online mode
	Spanning Tree	Learning through demonstration
Unit-5	Searching	Learning through demonstration
	Sorting Algorithms	Learning through projects
	Hashing and collision avoidance	Offline / Black Board Teaching

Multiple Mode Teaching Learning Pattern (MMTLP)

Online Teaching Learning	Black Board Teaching Learning	Group based Learning	Learning through demonstration	Learning through projects	Learning through experimentation	Activity based Learning	Onsite/ field based learning
34.82%	26.08%	8.69%	8.69%	4.34%	13.04%	4.34%	-
50-60%		Up to 10%		20-25%			

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



- **Item 14: To present the Internship/ Project summary for final year students and the continuous monitoring mechanism using a fortnightly progress report**
- The **Shri Vikram Rajput, Training & Placement Officer** has presented following summary and other associated aspects of Internship/ Project offered for final year students:
- Sh. Vikarm Rajput informed the house that a good number of students have received paid internships and various students have received the job offers during internship which resulted in improvement in the placement.
- The **IQAC members** appreciated the efforts taken by Placement officer and other Department Internship Coordinators.

Branch	Total Students	Students in Internships	% of students (Internships)	Students doing Project	% of students (Project)	Students with stipend in(Internship)	% of students (Stipend)
CSE	132	124	93.94	8	6.45	75	60.48
IT	67	44	65.67	23	52.27	34	77.27
EC	125	97	77.60	28	28.87	37	38.14
ET	67	59	88.06	8	13.56	13	22.03
Auto	65	55	84.62	2	3.64	9	16.36
Mech	142	135	95.07	7	5.19	23	17.04
EE	142	129	90.85	13	10.08	24	18.60
Civil	141	138	97.87	8	5.80	7	5.07
Chem	54	44	81.48	10	81.48	10	22.73
MBA	17	10	58.82	7	70.00	4	40.00
Total	935	791	89.30	104	12.46	236	28.26

Item 15: MoU with Indira Gandhi Rashtriya Udaan Academy (IGRUA) for establishing a Drone School

- The IQAC Coordinator & Registrar of the Institute has appraised the house following specifics regarding MoU signed with Indira Gandhi Rashtriya Udaan Academy (IGRUA) for establishing a Drone School:
 - IGRUA is a pilot training institute located at Fursatganj, Amethi, U.P, India. It was established in 1985 as an autonomous institution under the Ministry of Civil Aviation, Government of India.
 - The Madhya Pradesh First DGCA (Directorate General of Civil Aviation) Approved Drone School is established in the Institute. The Institute has signed a MoU on 28.01.2022 with Indira Gandhi Rashtriya Uran Akademi (IGRUA) to provide Drone training through Flying site and Ground school at Institute campus. The Rashtriya Uran



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Akademi, Fursatganj Airfield, Amethi , U.P. will provide the Drone Training through its training partner Drone Destination Pvt Ltd, New Delhi.

- The inauguration ceremony of Drone School was organized on 10.03.2022 in the presence of following:
 - Shri Shivraj Singh Chouhan, Hon'ble Chief Minister, Madhya Pradesh
 - Shrimant Jyotiraditya M. Scindia, Hon'ble Union Minister of Civil Aviation, Government of India
 - Shri Narendra Singh Tomar, Hon'ble Union Minister of Agriculture and Farmers Welfare, Government of India
 - Shri Vivek Narayan Shejwalkar, Hon'ble MP, Gwalior
 - Shri Vishnu Datt Sharma, Hon'ble MP, Khajuraho
 - And other ministers of Madhya Pradesh Government and dignitaries from Academia and Administration.



Online Ground School: 05th and 06th Mar 2022	Certification: Cat 1, Small, Rotorcraft
Flying School: 09th - 11th Mar 2022	Training Location: MITS, Gwalior
+919311260912 9980060850	dir-igrua@gov.in training@thedronedestination.com

एमआइटीएस में खुलेगा प्रदेश का पहला ड्रोन स्कूल



ग्यालियर (नईदुनिया प्रतिनिधि)।
माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस एवं इंदिरा गांधी राष्ट्रीय उड़ान अकादमी के बीच सहकार्य के अंतर्गत हुआ। इंदिरा गांधी राष्ट्रीय उड़ान अकादमी एक अडवोनेट्स बाडी है और मिनिस्ट्री ऑफ सिविल अविएशन के अंतर्गत कार्य कर रही है। इस एमओयू से माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस में प्रवेश का पहला ड्रोन स्कूल खोले जा रहा है। ज्ञात हो कि पिछले महीने केंद्रीय नागरिक उड़ान मंत्री ज्योतिरादित्य सिंधिया ने एमआइटीएस में हुए ड्रोन मेले के समय प्रवेश में पांच ड्रोन स्कूल खोलने की घोषणा की थी। जानकारी देते हुए एमआइटीएस के निदेशक डा. अरुणेंद्र सिंह ने बताया कि प्रदेश का पहला ड्रोन स्कूल अब



एमआइटीएस और इंदिरा गांधी राष्ट्रीय उड़ान अकादमी के प्रतिनिधि। (साम्भार)
एमआइटीएस में खुलने के लिए एमओयू हस्ताक्षरित हुए हैं। इस एमओयू में इंदिरा गांधी राष्ट्रीय उड़ान अकादमी की ओर से कुणभद्र गुला ने अपने ट्रेनिंग पार्टनर ड्रोन डेस्टिनेशन प्राइवेट लिमिटेड के साथ इस एमओयू पर हस्ताक्षर किया है। संस्थान ने ड्रोन प्रशिक्षण के लिए परिसर में मिश्रावेही कर दी है। डीजीसीए इस वाहन निर्देशन कर चुका है। इतना ही नहीं अब आगे प्रशिक्षण की परामर्श एवं ड्रोन उड़ाने संबंधित परामर्श एवं गाइडलाइन तय किए जाएंगे। विद्यार्थियों को इंटर्नशिप दी जाएगी। ड्रोन स्कूल अपने ट्रेनिंग कोर्स भी संचालित करेगा। एमआइटीएस प्रबंधन ने बताया इसका सीधा फायदा यहां के विद्यार्थियों को मिलेगा। उन्हें तकनीक की बुनियाद में आगे बढ़ने के लिए किसी और राह को तफस नहीं करना पड़ेगा। अब पूरी तरह से ड्रोन का जमाना आ चुका है। इसका ही ड्रोन पर निर्भरता बढ़ रही है। फसल पर डिजिटल क्रांति भी इससे हो रही है।

Copy of the MoU is enclosed as Annexure

Item 16: Targets set after the presentation delivered by professors on "Market Driven Analysis for Dynamic Curriculum Development" during the BoG meeting on 11.01.2022



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- The Head of the Institution, Dr. R. K. Pandit, has informed the house about the Targets for Flexible Curriculum provisions set during the BoG meeting held on 11.01.2022.
- A workshop of Professors was conducted on “Market Driven Analysis for Dynamic Curriculum Development and Pedagogical Practices” on 15th December 2021.
- The outcomes were presented in the meeting of the Board of Governors held on 11th January 2022, after which the following targets were set.

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No.: 105 Date: 19.01.2022

ORDER

As per the presentation delivered by professors on “Market Driven Analysis for Dynamic Curriculum Development” during BoG Meeting held on 11.01.2022, following targets for Flexible Curriculum Provisions are set to achieve up to the Academic Year 2024-2025:

Flexible Curriculum Provisions:

S. No.	Flexible Curriculum Provisions	Current Status	Target till Academic Year 2024-2025
1.	Minor Specialization	13 Disciplines	20 Disciplines
2.	Honours	13 Disciplines	25 Disciplines
3.	Open Courses	59 Courses	75 Courses
4.	Self-Learning (Online Education)	06 MOOC	120 MOOC
5.	Skill Based Projects	29% of Students	100% of Students
6.	Novel Engaging Courses	33 courses	250+ Courses
7.	Full Semester Internship	81 Modules	150 Modules
8.	Industry Collaborative Courses	Provision of partial credits of course	Credits for Full Course
9.	Focus on Interdisciplinary Projects	-	30 % Projects
10.	Analytical/ Research/Knowledge based Major Project	-	15 % Projects

It was also decided to promote the following Teaching-Learning methodology for content delivery:

Methodology	Direct Teaching-Learning	Indirect Teaching-Learning	Hands-on/Activity based/Experimentation based learning
	Suggestive Range		
Multiple Mode Teaching Learning Pattern	50-60%	Up to 10%	20-25%

In this regard, all Head of the Departments are required to take above targets and provisions in cognizance and take necessary action accordingly.

(Dr. R. K. Pandit) 19.1.22
Director

Item 17: Report on initiative taken for the Conduction of Course in Collaboration with Industry Person



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- The Dean Academics has reported the house that with reference to the targets for the Flexible Curriculum to be achieved till year 2024-2025, presently partial credits (20%) are being taken by industry person; the departments are exploring the possibilities of conducting full course at industry/in collaboration with industry.
- This year, the following courses are being conducted in collaboration with industry person, who is partially teaching along with institute faculty.

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DA/MP/2022/ 1442 Date: 08/02/2022

NOTICE


With reference to the proposals submitted regarding "Conduction of courses in collaboration with industry faculty" a detailed proposal along with brief biodata (name, age, qualification, present and past organizations, experience, area of work etc) must be sent to the office of the undersigned latest by 14th February 2022 so that requisite financial sanctions can be obtained from the competent authority.

In addition to this please also enclose

- Name/code of course to be taught in collaboration
- Portion which will be covered by the industry person
- Lecture plan, mapped with CO/COs (At least one "course outcome (CO)" should be identified and its attainment to be linked with the sessions taken by the industry person)

The following are the guidelines for this activity which have been approved by the competent authority:

1. Some practical problems/case studies should be discussed to expose students to real-life situations.
2. Feedback of industry teacher should be taken by the department, FFI to be calculated, once only, at the end of his/her teaching sessions or at the end of the semester and submitted to the Director office along with other faculty FFI.
3. MOODLE page to be created for the industry faculty, Notes/PPTs to be shared with students through it. At least 1-2 quizzes, 01 assignments will also be conducted/given.
4. The institute mentor faculty will help the industry faculty in evaluation, CO attainment and other points.
5. Maximum 8 hours teaching to be assigned to one industry person for one course
6. Not more than 2 hours to be assigned in a day
7. Lecture plan to be attached along with CO
8. Only online sessions to be scheduled
9. Proof of class to be maintained by the HoD
10. Total Honorarium bill to be submitted at the end of the semester. Honorarium will be paid as per institute norms (Order no 181 dated 07.02.2022)
11. The Honorarium Bill will be sent along with the FFI page.


(Dr. Manjaree Pandit) 08/02/2022
Dean Academics

Conduction of course in collaboration with industry person



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Name of Department : Civil Engineering				
S.No.	Name & Designation of Expert	Name of Industry	Semester	Name of Course
1	Er. K.K. Shrivastava	Global Environment Consultancy Services, Indore, M.P.	VI	Advanced Structural Design
Name of Department : Electrical Engineering				
1.	Dr. Rimjhim Agrawal Principal Data Scientist	Utopus Insights (Renewables & Environment)	VI	Computer-Aided Power System Analysis
2.	Er. Shubham Sharma Engineer	General Electric (GE) Transportation, Bangalore	IV (IoT)	Power Electronics
Name of Department : Electronics Engineering				
1.	Mr. Ajay Chaturvedi Scientist D	DRDE, Gwalior	VI	Embedded System Design (900615 OC2 VI Semester)
Name of Department : Computer Science & Engineering				
1.	Mr. Romesh Bajaj Automation Test Lead	Wipro	IV	Software Engineering (150413)
2.	Mr. Girdhari Lal Gupta Analyst	Goldman Sachs, Bangalore	IV&VI	Network and Web Security (150611)
Name of Department : Architecture				
1.	Mr. K.K. Mitra	President, Lloyed Insulation, Delhi	VI	Building Services (210602)
2.	Ar. Dhanashree Kulkarni	Partner- Qdesign, Pune	VI	Site Planning & Landscape Design (210608)
Name of Department : Information Technology				
1.	Mr. Shubham Lal	Software Developer II Microsoft Hyderabad	IV	Machine Learning & Optimization (240404)
2.	Mr. Mitesh Singh	System Architect CRED, Bengaluru	IV	Computer Networks (160413)
3.	Mr. Hirendra Singh Dhakre	Associate Manager Accenture, Pune	IV	Software Engineering (160412)
4.	Mr. Arun Jain	Software Developer AMDOCS, Pune	II	Object Oriented Programming & Methodology(270203)
5.	Mr. Vaibhav Diwan	Java Mentor, NIIT, Bengaluru	II	Data Structure (280202)

Item 18: Initiatives taken for monitoring student learning by identifying slow, medium and fast learners and Initiatives taken for addressing their special needs



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- Dr. Manjaree Pandit, Dean Academics, has informed the house that for each course, in each engineering discipline, slow and fast learners were identified and suitable actions were taken for addressing their needs.
- Following is the summary of Slow/Medium/Fast learners identified during the Period 08th November 2021 to 22nd January 2022:

Class : FIRST YEAR							
Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Civil Engineering							
Mathematics -I (100011)	124	7	5.65%	23	18.55%	94	75.81%
Engineering Chemistry (100012)	124	11	8.87%	23	18.55%	90	72.58%
Engineering Graphics (100014)	124	8	6.45%	36	29.03%	80	64.52%
Energy, Environment, Ecology, and Society (100015)	124	4	3.23%	76	61.29%	44	35.48%
Technical Language (100016)	124	2	1.61%	34	27.42%	88	70.97%
Mechanical Engineering							
Engineering Mathematics - I 100011	108	10	9.25%	12	11.1%	86	79.6%
Basic Computer Engineering 100023	108	9	8.33%	23	21.29%	76	70.37%
Engineering Graphics 100014	108	10	9.25%	24	22.22%	74	68.51%
Energy Environment, Ecology & Society 100015	108	4	3.7%	10	9.25%	94	87.03%
Technical Language 100016	108	1	0.93%	34	31.48%	73	67.59%
Electrical Engineering							
Engineering Mathematics - I (100011)	136	4	2.94%	22	16.1%%	110	80.88%
Engineering Graphics (100014)	136	5	3.68%	20	14.71%	111	81.62%
Energy Environment, Ecology & Society (100015)	136	3	2.21%	26	19.12%	107	78.68%
Technical Language (100016)	136	5	3.68%	21	15.44%	110	80.88%
Basic Computer Engineering (100023)	136	10	7.35%	21	15.44%	105	77.21%
Electrical Engineering (IoT)							
Basic Electrical and Electronics Engineering (100022)	63	3	4.76%	9	14.29%	51	80.95%
Basic of Internet of Things (IoT) (220101)	63	2	3.17%	15	23.81%	46	73.02%



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Introduction to Computer Programming(230102)	63	5	7.94%	10	15.87%	48	76.19%
Linear Algebra (250100)	63	1	1.59%	10	15.87%	52	82.54%
Energy Environment, Ecology & Society (100015)	63	3	4.76%	16	25.40%	44	69.84%
Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Electronics Engineering							
Engineering Physics (100013)	138	09	6%	38	28%	91	66%
Basic Computer Engineering (100023)	138	10	7%	42	30%	86	62%
Basic Civil Engineering (100020)	138	07	5%	42	30%	89	65%
Basic Mechanical Engineering (100021)	138	8	6%	32	23%	98	71%
Basic Electrical and Electronic Engineering (100022)	138	09	7%	44	31.7%	85	61%
Electronics & Telecommunication Engineering							
Engineering Physics (100013)	67	02	3%	10	13%	55	84%
Basic Computer Engineering (100023)	67	05	7%	20	30%	42	63%
Basic Civil Engineering (100020)	67	05	7%	18	27%	44	66%
Basic Mechanical Engineering (100021)	67	3	4%	09	15%	55	81%
Basic Electrical and Electronics Engineering (100022)	67	04	6%	22	32.83%	41	61.2%
Computer Science and Design Engineering							
Introduction to Computer Science and Design (290101)	66	03	4.5%	09	13.6%	54	81.8%
Introduction to Programming (290102)	66	3	5%	10	15%	53	80%
Basic Electrical and Electronics Engineering(10002)	68	04	5.88%	10	8.82%	54	91.12%
Linear Algebra (250100)	70	4	5.71%	12	17.14%	54	77.15%
EEES (100005)	68	6	8.82%	11	17.64%	51	75%
Computer Science and Engineering							
Introduction to Computer Programming(230102)	140	2	1.43%	11	7.86%	127	90.71%
Basic Civil Engineering& Mechanics(100020)	140	11	8%	19	13%	110	79%



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Basic Mechanical Engineering(100021)	140	3	2.1%	10	7.1%	127	90.71%
EEES(100005)[CSE]	138	6	4.28%	22	15.71%	110	78.57%
Basic Electrical and Electronics Engineering (100022)	139	4	2%	10	7%	125	90%
IT – Artificial Intelligence and Robotics							
EEES / 100015	72	8	11.11%	18	25%	46	63.88%
Introduction to Artificial Intelligence / 240101	71	6	8.45%	14	19.71%	51	71.83%
Introduction to Computer Programming / 204102	69	7	10.14%	11	15.94%	51	73.92%
Linear Algebra	69	3	5.48%	20	31.51%	46	63.01%
Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Basic Electrical & Electronics Engineering	69	5	7.24%	13	18.84%	51	73.92%
IT – Internet of Things							
Linear Algebra (250100)	69	2	2.90%	6	8.70%	61	88.41%
Introduction to IoT	69	5	7.25%	13	18.84%	51	73.91%
Introduction to Computer Programming	69	7	10.14%	9	13.04%	53	76.81%
EEES (100015)	69	8	11.59%	13	18.84%	48	69.57%
Basic Electrical and Electronics Engineering (100022)	69	2	2.90%	5	7.25%	62	89.86%
Information Technology							
EEES / 100015	68	3	4.4%	17	25%	48	70.6%
Introduction to Computer Programming	68	1	1.47%	18	26.47%	49	70.06%
Basic Electrical & Electronics	68	2	2.94%	17	25%	49	72.05%
Basic Civil Engineering & Mechanics	70	4	5.71%	14	20%	52	74.29%
Basic Mechanical Engineering	68	1	1.47%	12	17.6%	55	80.8%
Artificial Intelligence and Machine Learning							
EEES	66	11	16.6%	23	34.84%	32	48.48%
Introduction to Artificial Intelligence & Machine Learning	66	4	6.1%	28	42.4%	34	51.5%
Introduction to Computer Programming	66	1	1.51%	6	9.09%	59	89.34%
Linear Algebra	66	1	1.5%	6	9.09%	59	89.39%
Basic Electrical & Electronics Engineering	66	3	4.5%	3	4.5%	60	91%
Artificial Intelligence (AI) and Data Science							
EEES	66	9	13.6%	21	31.8%	36	54.54%



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Introduction to Artificial Intelligence & Data Science	66	2	3.03%	2	3.03%	62	93.9%
Introduction to Computer Programming	66	1	1.5%	22	33.33%	43	65.1%
Linear Algebra	66	1	1.51%	7	10.6%	58	87.87%
Basic Electrical & Electronics Engineering	66	2	3.03%	2	3.03%	62	93.9%
Chemical Engineering							
Engineering Chemistry (100012)	19	04	21.05%	01	5.26%	14	73.68%
Basic Civil Engineering & Mechanics (100020)	19	03	15.78%	05	26.31%	11	57.89%
Basic Mechanical Engineering(100021)	19	04	21.05%	02	10.52%	13	68.42%
Basic Electrical & Electronics Engineering(100022)	19	01	5.26%	02	10.52%	16	84.21%
Basic Computer Engineering(100023)	19	02	10.52%	02	10.52%	15	78.94%
Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Engineering Mathematics & Computing							
Introduction to Computer Programming	68	4	5.88%	17	25%	47	69.11%
Introduction to Computing	68	4	5.88%	31	45.59%	33	48.53%
Energy, Environment, Ecology & Society (EEES)	68	4	5.88%	23	33.82%	41	60.3%
Probability and Random Process/Statistical Techniques	68	12	17.64%	31	45.58%	25	36.76%
Elements of Calculus	68	6	8.82%	4	5.88%	58	85.29%
Engineering Mathematics - I	136	4	2.941%	22	16.17%	110	80.88%
Engineering Mathematics - I	124	7	5.65%	23	18.55%	94	75.81%
Engineering Mathematics - I	108	10	9.25%	12	11.1%	86	79.6%
Mathematical Foundation-680111	69	0	0	1	0.014%	68	98.55%
Linear Algebra	66	1	1.5%	6	9.09%	59	89.39%
Linear Algebra	65	1	1.53%	7	10.76%	57	87.69%
Linear Algebra	63	1	1.5%	10	15.8%	52	82.5%
Linear Algebra	69	2	3.17%	6	8.695%	61	88.405%
Linear Algebra	70	4	5.71%	12	17.14%	54	77.15%
Linear Algebra	73	4	5.48%	23	31.51%	46	63.01%
Architecture							
History of Architecture	24	3	12.5%	12	50%	9	37.5%



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Architectural Design	24	4	16.6%	13	54.16%	7	29.1%
Building Materials	24	3	12.5%	12	50%	9	37.5%
Graphics-I	24	3	12.5%	11	45.8%	10	41.6%
Structure	24	8	33.3%	12	50%	4	16.6%
Computer Application							
680111 Mathematical Foundations	69	0	0	6	9%	63	91%
680112 Data Structures and Algorithms	69	2	3%	8	11%	59	86%
680113 Database Management Systems	69	1	1.5%	5	7.2%	63	91.3%
680114 Operating Systems	69	2	3%	6	9%	61	88%
680115 Management Functions and Oral & Written Communication	69	3	4.4%	10	14.5%	56	81.1%
Department of Management							
Managerial Functions & Behaviour 700111	45	0	0%	20	75%	25	25%
Accounting for Managers 700112	45	3	6.6%	27	60%	15	33%
Operations Management 700113	45	4	8%	20	44%	21	46%
Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Managerial Economics 700114	45	2	4.4%	27	60%	16	35.5%
Organizational Behaviour 700115	45	3	6.6%	27	60%	15	33%
Marketing Management 700116	45	2	4.4%	18	40%	25	25%
Managerial Communication 700117	45	4	8%	20	44%	21	46%
Transforming Business through Technology 700118	45	2	4.4%	27	60%	16	35.5%
SPDP 700119	45	4	8%	20	44%	21	46%
Total	7373	410	5.56	1603	21.74%	5360	72.69%

➤ Following is the summary of actions Taken After Identification of Slow/Medium/Fast Learners:



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Total	7373	410	5.56%	1603	21.74%	5360	72.69%
<p>↑ institutional average slow learners in first year.</p> <p>↑ medium level.</p> <p>↑ fast learners.</p>							
<p>Compiled by: Vinod Kumar Sharma Dean Academics Office</p> <p><i>M.P.</i> 22/02/2022 (Dr. Manjaree Pandit) Dean (Academics)</p> <p><u>submitted for information</u></p> <p><i>R.K.P.</i> 22.2.22 (Dr. R.K. Pandit) Director</p> <p><u>Actions Taken.</u></p> <p>(1) Mails have been sent to departments to conduct additional classes (where percentage of slow learners is greater than 10% the data is highlighted).</p> <p>(2) Department level meetings and workshops were conducted on "Addressing the special needs of slow and advanced learners," during february 2022.</p> <p><i>M.P.</i> 22/2/2022</p>							

Workshop was conducted at each department on “**Addressing the Special Needs of Slow and Advanced Learners through Teaching-Learning**”

Item 19: Report on conduction of in-house workshop on “Addressing the Special Needs of Slow and Advanced Learners through Teaching-Learning” at each department

- The Dean Academics of the Institute has presented following report on conduction of “In-house Workshop on “Addressing the special needs of slow and advanced learners through teaching- learning”

Summary of In-House Workshop at each Department



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S.No.	Department	Date(s)	Faculty participants
1	Civil Engineering	18/02/2022	13
2	Mechanical Engineering	17/02/2022	22
3	Electrical Engineering	17/02/2022	20
4	Electronics Engineering	04/-2/2022	16
5	Computer Science and Engineering	10/02/2022	16
6	Information Technology	03/02/2022	15
7	Engineering Mathematics & Computing	02/02/2022	08
8	Architecture	08.09.2021	10
9	MBA	11/02/2022	36 Students and 03 Faculty

Objectives of the Workshop

- To discuss the status of ongoing efforts to address the special needs of slow and advanced learners
- To propose solutions/measures to further uplift the learning level of slow and advanced learners

OUTCOMES OF THE WORKSHOP

- Faculty members shared their views and proposed solutions/measures for improving of learning levels of students.
- A **continuous monitoring of the students' performance** with **personal follow-up was highlighted for slow learners.**
- **Activity based assignments** can be designed in advanced subjects to fulfil the needs of fast learners.
- Students should be given the **task/assignments/mini projects** in such a way that "**a habit of self-learning**" is developed
- A change of mind set of students is needed so that they take all comments or mistakes with a positive attitude and use them for further improvement.
- If a student does not appear in midsem/assignment/quiz then faculty should personally counsel that student and motivate them to complete the activities within due time.
- Guidance sessions related to examinations:
 - Three Guidance sessions related to examinations should be conducted by class coordinator in every semester.

Attending to any other special needs as per the response/feedback received:

- Feedback from these students will be taken and on the basis of feedback received



their problems will be resolved.

Fast learners & synchronous learners are motivated to help learners with difficulties:

- An activity may be planned for all slow, medium and fast learner
- Assignments should be given in groups of slow, medium and fast learner
- Lab groups also formed with slow, medium and fast learners.

- The faculty will be able to
 - Rethink that the no of social/financial/circumstances problem with the students. More efforts and interaction is needed to provide solutions for improving the status of slow and advanced learners.
 - Understand that to motivate the students to attend the “Additional Classes” is equally important as regular classes.
 - Understand to Implement and plan the activities such as formation of few groups of all type of learners.

Determine the ways to design interactive strategies such as mini project/task/assignment for all the type of learners as per their abilities.

- Faculty members shared their opinion about key points of workshop and their experiences.
- As per present scenario, Advance learner can be identified by monitoring their attendance and assessment during internal & external exams. Faculty members also suggested other method for the same such as projects performance evaluation, surprise test and viva so that critical thinking and skills of students can be observed.
- Personal interaction with students and oral assessment of them can play a crucial role to identifying slow and fast learner
- On the basis of specific subject of curriculum, students can be classified as slow learner in one subject and fast learners in another subject.
- If faculty provide proper guidance, motivation, counselling and moral support to the students, the number of slow learner can be reduced.
- Remedial / additional classes are meant to encourage slow learners and provide scope for one to one discussion to solve their doubt so that confidence of slow learner can be enhanced.
- Teaching & learning resources constraints are also affect the learning process of the students. Some slow learner students may also suffer the scarcity of the resources.
- Bridge course/classes should be conducted at the starting of the session for those students who are from lateral entry, rural areas or Hindi medium schools.
- Motivate the advanced learners for proving their possible support in teaching & learning of slow learner students.
- Faculty members can incorporate following teaching aids for creating interest in their lecture for slow learner such as animated video, virtualization and simulation tools, use of social media platform, visual teaching aids.
- Faculty should provide separate complex assignment /problems/ activities to stimulate interest of advance learners.



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1. The method of identification of slow & advanced learners needs to be revised, as it is often found that students who are regularly coming in classes are also not able to perform in the exam and vice versa too.
2. As per digital plan of institute, interactive doubt clearing sessions are held for students, but the response students in general is very poor regarding attending those sessions despite the best efforts of faculty members.
3. In accordance with the digital plan of institute, it is proposed that at the end of every theory class, 10 minutes may be devoted for question/answer session for a group of 3 to 5 students on one to one basis, this will help in identifying as well as improving the status of slow learner.
4. The students are given full attention by faculty members and proper communication is tried to be establish with them through phone/ messages/email etc to address to the needs of students, apart from it mentoring sessions can be planned (possibly after the first mid sem exams is over) in which fast learners can be asked to motivate the slow learners and help them in addressing their needs.
5. Guidance session related to examinations are conducted by class coordinators during the start of semester and also before examination starts. In this regards, controller exams also brief the students. Also in between during the semester if any students have any queries related to exams, it is looked after by the class coordinator and faculty.
6. Students needs are tried to be taken care off as and when required by the faculty/ class coordinator
7. It is proposed that one minute paper writing and course end seminar be conducted in between the semester after first mid sem exam and after second mid sem exam, in this

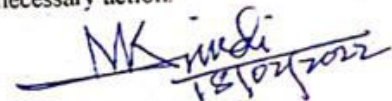
interaction with the students should be one to one basis, it will help in assessment of slow, medium & fast learners and also improve the status progressively.

8. It is proposed that mentoring session by the top performers from previous batch of a particular course can be conducted for slow learners of current batch in that course, it will help in improving the status of learners.

The following are outcomes of this workshop:-

1. Improvement in the mode of identification of slow & fast learners needs to be worked out.
2. More one to one interactions for addressing the needs of the digital learners
3. Cross Batches mentoring session from top performers in a particular course can be done to improve the learning the abilities of students.

Submitted the report to Dean Academics for Information and necessary action.



Dr. M. K. Trivedi
Professor & Head
Civil Engg Deptt



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- Interactive doubt clearing classes.
 - One slot is available for doubt clearing, more classes are arranged as per the need of the students.
- Needs of slow learners through question/answer model.
 - The identification of the learners according to: Mid Semester Examinations, Quizzes, Assignments, Attendance
 - Solution of Mid Semester Examinations, Quizzes, Assignments
- Personalized attention through phone call/whats app/email etc as per the need:
 - As per need of student (raised by E-Mail/whatsapp/phone etc)

- Guidance sessions related to examinations
 - In Orientation programme
 - Class coordinators counselling sessions, time to time
 - Before the schedule of each exam
 - Old question papers, model answers
- Attending to any other special needs as per the response/feedback received
 - As and when needed by the students.
- Fast learners & synchronous learners are motivated to help learners with difficulties
 - Activity based assignment are given to the student group
 - Discussion on the competitive based conceptual questions
 - Guidance for research paper writing



Report

Report of online presentation given by **Prof. Saurabh Kumar Rajput** in In-house workshop "Addressing the Special Needs of Slow and Advanced learners through Teaching-Learning" organized by department dated 17.02.2022.

1. Interactive doubt clearing classes.

- Interactive classes are conducted using real time electrical engineering examples.
<https://www.youtube.com/watch?v=q6LHVvTb3w&t=457s>
- During online classes, writing pads with colourful pens/ annotations are used to make classes more interactive. The recorded lectures and annotated notes are provided in following link-
<https://drive.google.com/drive/folders/1iZnCPVHiBkBa1iEAUvMkCzVG8qWodbhT?usp=sharing>
- Doubt clearing classes are conducted as per provided Remedial class time table. The data summary of conducted remedial classes are as follows:

Total no of remedial classes conducted (from Non 2021 to Jan 2022): 08

Average attendance (AIML branch): 27/68

Average attendance (AIDS branch): 32/68

Dates of Remedial Classes	Branch	
	AIML (66)	AIDS (66)
29.11.2021	35	44
06.12.2021	33	40
13.12.2021	32	41
27.12.2021	22	27
10.01.2022	22	25
17.01.2022	21	27
31.01.2022	24	19
04.02.2022	27	32
Average	27	31.875

2. Needs of slow learners through question/answer model.

- Slow learners are identified as per the criteria provided by Dean (Academics).
- Extra/ Remedial classes are conducted for slow learners, for which the summarized data is as follows-

No of slow learner students	Dates of remedial classes conducted for slow learners
B.Tech/ AI&ML/ First Sem/ BEEE: 03	29.11.2021
	06.12.2021
	13.12.2021
	27.12.2021
B.Tech/ AI&DS/ First Sem/ BEEE: 02	10.01.2022
	17.01.2022
	31.01.2022
	04.02.2022

- In first year first semester, some late admission students are not able to perform well and they are counted as slow learners. Actually they are not slow learners but they need extra time to cover the syllabus. Time to time extra classes are conducted for these students also.



- Hand written simple language notes in the form of question & answers are provided to slow learners. Sample notes are provided in google drive-
<https://drive.google.com/file/d/1jGUxV3gjbXZnu-Wit-xQQkioqNPYQ0VL/view?usp=sharing>
- 3. Personalized attention through phone call/whatsapp/email etc. as per the need.
 - Students are free to ask question through phone calls/ whatsapp/ email etc. Among all these platforms, Whatsapp is the first choice of students for discussions. Few snapshots of whatsapp discussion with students are given in google drive-
<https://drive.google.com/drive/folders/16Yu9PPjtWu3ZM9yhPfsSBC7yYQkCt8fM?usp=sharing>
- 4. Guidance sessions related to examinations.
 - Guidance related to examinations are covered during the followings-
 - Induction program.
 - One day before the commencement of Mid sem-1/ Mid sem-2/ Mid sem-3 exams.
 - Instructions are also provided on Moodle.
<http://moodle.mitsgwalior.in/course/view.php?id=487>
 - Previous year question papers are provided through google drive.
https://drive.google.com/drive/folders/1_nILCp9tf_94eXJYN6zcfNF6rNvmdSo?usp=sharing
 - Important question bank along with answers in simple language is also provided to the students. The sample is provided in google drive-
<https://drive.google.com/file/d/1jGUxV3gjbXZnu-Wit-xQQkioqNPYQ0VL/view?usp=sharing>
- 5. Attending to any other special needs as per the response/feedback received.
 - Feedback is collected by the students during Mid sem-1 & Mid sem-2 examinations. The suggestions given by the students are discussed by HoD and then an ATR is prepared by Prof. Rahul sagwal (sir). The required action is also implemented.
https://docs.google.com/document/d/1_Dv4ZgZa-NUwAW0irr3Wt6vAlZXXK_egu/edit?usp=sharing&oid=112023514995290540585&rtpdf=true&ad=true
 - Feedback is also collected after conduction of first 4/5 classes, so that necessary action can be taken at the start of the course.
https://drive.google.com/file/d/1xdCtpuwhFdy_y2iaOoY232NzgrUmY2d/view?usp=sharing
- 6. Fast learners & synchronous learners are motivated to help learners with difficulties.
 - Fast and synchronous learners are motivated through following activities-
 - **Presentation in groups:** Group must have fast & slow learners both, so that peer-to-peer learning can also be implemented.
https://drive.google.com/file/d/19Z_vZze7b3_0IMk00cWATNMSRWmuzaMU/vie w?usp=sharing
 - **Submission of min projects in groups:** Group must have fast & slow learners both, so that peer-to-peer learning can also be implemented.
<https://drive.google.com/file/d/1Qwju85VnU20W6iUc7wm890bFOx03bjCa/view?usp=sharing>



Item 20: Report on computation of Administrative Efficiency Index (AEI) for July-December 2021 session

➤ As previously discussed and approved in the meeting of the IQAC the Administrative Efficiency Index (AEI) for the **July-December 2021** session has been computed, the Director of the Institute has informed the house about following aspects of AEI computed in the Institute:

- 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 **63 parameters (reports)** were used for the computation of AEI out of 10. The department wise scores are listed here.

The quality enhancement activities targeted with specific timelines increased over time as the institute progressed and strengthened the quality assurance mechanism, through the active role played by the IQAC

Number of parameters for **January to June 2020** were: **30**

Number of parameters for **July to December 2020** were: **37**

Number of parameters for **January to June 2021** were: **60**

Number of parameters for **July to December 2021** were: **63**

**COMPARISON OF LAST FOUR SEMESTER REPORTS
(January 2020 to December 2021)**

ADMINISTRATIVE EFFICIENCY INDEX (AEI) (out of 10)													
Duration	Civil	Mech. & Auto.	Elect. / IOT	Elex. & ET	CSE	IT/ IOT/ AIR	Chem.	BT	MAC	Huma nities	Applied Sci.	Arch.	MBA
January to June 2020	6.16	5.71	6.94	7.13	8.87	.....	5.70	3.80	.....	5.14	6.04	4.06	....
July to December 2020	7.76	6.76	8.46	9.11	8.49	.....	7.72	4.75	.....	4.56	5.14	5.76	...
January to June 2021	5.53	6.82	7.18	7.35	6.70	6.64	5.51	6.02	6.05	5.00	4.32
July to December 2021	6.16	7.54	8.51 (II)	8.48 (III)	7.51	8.56	7.53	8.25	6.67	6.72	7.58

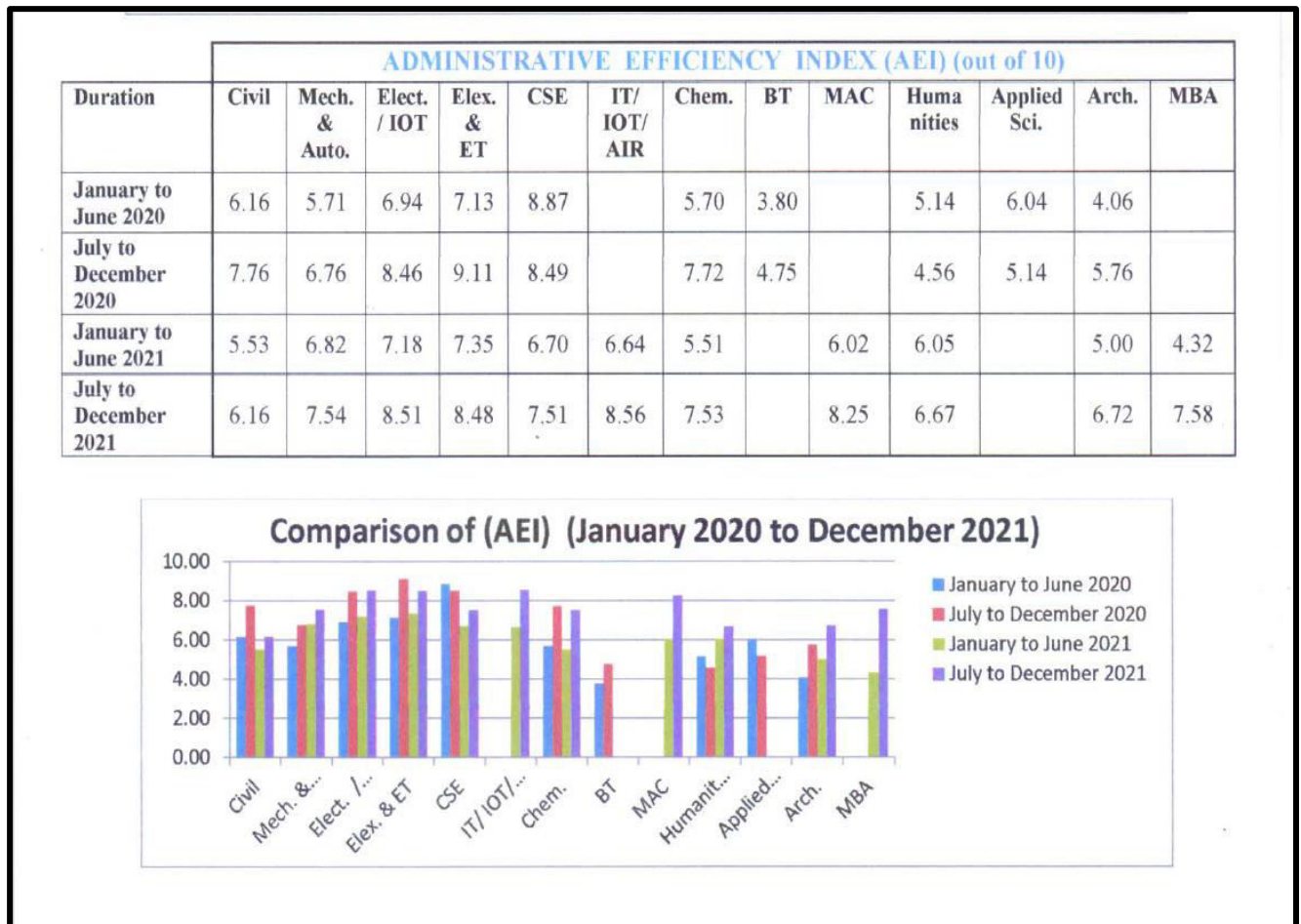


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						(D)							
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REPORTS RECEIVED (RR) in %													
Duration	Civil	Mech. & Auto.	Elect. / IOT	Elex. & ET	CSE	IT/ IOT/ AIR	Chem.	BT	MAC	Humanities	Applied Sci.	Arch.	MBA
January to June 2020	87.10	80.65	87.10	90.32	96.77	...	73.33	56.67	....	71.43	74.07	61.29	....
July to December 2020	94.59	81.08	91.89	97.30	97.30	....	80.56	59.38	....	62.96	64.29	67.65	....
January to June 2021	78.33	75.00	81.67	83.33	80.00	76.27	69.81	...	77.78	73.68	....	62.00	56.10
July to December 2021	79.37	87.30	90.48	95.24	92.06	95.24	86.67	..	87.50	73.33	....	81.67	81.82



The full AEI report is enclosed as Annexure-



Item 21: Report on “Monitoring of Continuous Evaluation Through Quiz & Assignment”

- As per NEP-2020 recommendations for more continuous and comprehensive evaluation, monitoring mechanism is developed in the Institute for Continuous Evaluation Through Quiz & Assignment. Following is the summary of Quiz/Assignments conducted for the first year students during Nov-2021 to Jan-2022:

S. No	Name of Department	Course name & Code	Total No. of Quiz	Total No. of Assignment
1	Civil Engineering	Engineering Mathematics - I (100011)	10	4
		Engineering Graphics (100014)	7	-
		Technical English 100016	11	8
		EEES (100015)	3	3
		Engineering Chemistry (100012)	10	3
2	Mechanical Engineering/ Automobile	Engineering Mathematics - I (100011)	6	4
		Basic Computer Engineering (100023)	8	4
		Engineering Graphics (100014)	8	4
		Energy Environment, Ecology & Society (100015)	10	4
		Technical Language (100016)	10	4
3	Electrical Engineering	Engineering Mathematics - I (100011)	5	2
		Engineering Graphics (100014)	0	7
		Energy Environment, Ecology & Society (100015)	6	5
		Technical Language	7	11



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		(100016)		
		Basic Computer Engineering (100023)	5	5
4	Electrical Engineering (IoT)	Basic Electrical and Electronics Engineering (100022)	7	3
		Basic of Internet of Things (IoT) (220101)	8	4
		Introduction to Computer Programming (230102)	7	5
		Linear Algebra and Matrix Analysis (250100)	6	3
		Energy Environment, Ecology & Society (100015)	5	3
5	Electronics Engineering	100013 Engineering Physics	5	4
		100020 Basic Civil Engineering	7	5
		100021 Basic Mechanical Engineering	4	3
		100022 Basic Electrical and Electronics Engineering	6	4
		100023 Basic Computer Engineering	6	3
S. No	Name of Department	Course name & Code	Total No. of Quiz	Total No. of Assignment
6	Electronics Telecommunication Engineering	100013 Engineering Physics	4	4
		100020 Basic Civil Engineering	5	5
		100021 Basic Mechanical Engineering	3	3
		100022 Basic Electrical and 55Electronics Engineering	4	4
		100023 Basic Computer Engineering	3	3



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7	Computer Science and Engineering	Introduction to Computer Programming(230102)	6	4
		Basic Civil Engineering& Mechanics(100020)	6	3
		Basic Mechanical Engineering(100021)	10	4
		EEES(100005)[CSE]	5	2
		Basic Electrical and Electronics Engineering(100022)	6	6
8	Computer Science and Design Engineering	Introduction to Computer Science and Design(290101)	5	2
		Introduction to Programming(290102)	6	6
		Basic Electrical and Electronics Engineering(100022)	8	4
		Linear Algebra(250100)	8	2
		EEES(100005)[CSD]	5	2
9	IT- Artificial Intelligence (AI) and Data Science	Introduction to Artificial Intelligence & Data Science(270101)	6	6
		Introduction to Computer Programming(270102)	4	4
		Basic Electrical & Electronics Engineering(100022)	8	8
		Linear Algebra(250100)	5	5
		Energy Environment, Ecology & Society (100015)	6	6
10	Information Technology	Introduction to Computer Programming(230102)	6	6
		Basic Electrical & Electronics Engineering(100022)	6	6
		Basic Civil Engineering & Mechanics(100020)	2	2
		Basic Mechanical	10	10



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S. No	Name of Department	Course name & Code	Total No. of Quiz	Total No. of Assignment
		Engineering (100021)		
		Energy, Environment, Ecology & Society (100015)	9	9
11	IT- Artificial Intelligence and Machine Learning	Introduction to Artificial Intelligence & Machine Learning(280101)	4	4
		Introduction to Computer Programming(280202)	9	9
		Basic Electrical & Electronics Engineering(100022)	8	8
		Linear Algebra(250100)	5	5
		Energy Environment, Ecology & Society (100015)	6	6
12	IT- Artificial Intelligence and Robotics	Introduction to Artificial Intelligence(240101)	8	8
		Introduction to Computer Programming (230102)	9	9
		Basic Electrical & Electronics Engineering(100022)	6	7
		Linear Algebra(250100)	8	8
		Energy Environment, Ecology & Society (100015)	6	6
13	IT-Internet of Things	Introduction to Internet of Things (IoT) (230101)	6	6
		Introduction to Computer Programming (230102)	9	9
		Basic Electrical & Electronics Engineering(100022)	7	7
		Linear Algebra(250100)	6	6
		Energy Environment, Ecology & Society	6	6



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		(100015)		
14	Engineering Mathematics & Computing	Introduction to Computer Programming	5	0
		Introduction to Computing	5	3
		Energy, Environment, Ecology & Society (EEES)	5	3
		Probability and Random Process/Statistical Techniques	7	1
		Elements of Calculus	6	2
		Engineering Mathematics - I (100011)	5	2
		Linear Algebra(250100)	5	2
		Linear Algebra(250100)	5	2
		Engineering Mathematics - I (100011)	10	4
		Linear Algebra(250100)	10	4
		Linear Algebra(250100)	10	4
		Linear Algebra and Matrix Analysis (250100)	6	2
		Linear Algebra(250100)	6	2
		Engineering Mathematics - I (100011)	6	4
S. No	Name of Department	Course name & Code	Total No. of Quiz	Total No. of Assignment
15	Humanities	Electrical	10	11
		ME & AU	10	11
		Civil	10	11
16	Architecture	Building Materials 210113	4	4
		History of Architecture I 210116	4	4
		Architectural Design I 210112	-	6
		Graphics I 210114	-	6
		Structure I 210115	3	3



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		Professional Communication 210118	10	1
		Workshop I 210117	-	5
17	Computer Application	Mathematical Foundations 680111	8	1
		Data Structures and Algorithms 680112	10	5
		Database Management Systems 680113	10	5
		Operating Systems 680114	6	5
		680115 Management Functions and Oral & Written Communication	5	4
	Total		597	442

Item 22: Report on meetings and sessions with First Year students for counselling, support and grievance redressal, if any

- The IQAC Coordinator has reported the house that as per the NAAC guidelines to support students, following Counselling Sessions were conducted for the First Year Students:

S. No	Name of Department	Date of Meeting	Number of students registered	Number of students present
1.	Civil Engineering	29/01/2022	124	25
2.	Mechanical Engineering	27/01/2022	90	43
3.	Automobile Engineering	30/01/2022	20	15
4.	Electrical Engineering	08/01/2022	135	85
5.	Electrical (Internet of Things)	29/01/2022	63	45
		05/01/2022	63	41
		17/01/2022	63	43
		28/12/2021	63	48
6.	Electronics Engineering	08/01/2022	136	42
		08/11/2021	136	48
		28/10/2021	136	86
		08/12/2021	136	47
		19/11/2021	136	54
		24/12/2021	136	51
7.	Electronics Telecommunication	18/01/2022	67	24
		27/10/2021	67	43



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	Engineering	16/11/2021	67	43
		02/12/2021	67	36
		22/12/2021	67	32
8.	Computer Science & Engineering	08/01/2022	135	88
		26/12/2021	135	67
9.	Computer Science & Design Engineering	28/01/2022	66	50
10.	Information Technology	10/01/2022	69	34
		22/11/2021	69	36
11.	Artificial Intelligence and Data Science	08/01/2022	66	50
		29/11/2021	66	23
		12/12/2021	66	52
		02/01/2022	66	52
		24/12/2021	66	35
12.	Artificial Intelligence and Machine Learning	10/01/2022	66	37
		18/11/2021	60	25
		29/11/2021	60	15
13.	Artificial Intelligence and Robotics	28/12/2021	69	48
		28/11/2021	69	32
		15/12/2021	69	33
		28/11/2021	69	58
14.	IT- Internet of Things	02/02/2022	66	46
15.	Chemical Engineering			
16.	Engineering Mathematics & Computing	10/11/2021	68	53
17.	Architecture	17/01/2022	24	21
18.	MCA	04/02/2022	69	63
TOTAL			3265	1769

➤ OUTCOMES OF THE SESSIONS WITH FIRST YEAR

- a) Students were informed about institute policies.
- b) Students wanted offline mode classes because they are facing the problems in online mode classes as they have been studying via offline mode since 12th standard.
- c) Students are worried about the books. They are not sure whether they should buy books or not.
- d) Students wanted to know about the placement scenario.
- e) Students of a certain branch were facing problems in Mathematics subject.
- f) Students were briefed about the curriculum, OBE, Counselling Sessions and Departmental E-Newsletter.
- g) Students' issues regarding the National Scholarship were discussed.
- h) Issues regarding Moodle were addressed.
- i) Suggestion to improve online classes. network and voice issue.
- j) Briefing about the orientation program, MOODLE login, quizzes, institute email id, library card, IMS portal, feedback, branch/subject code, enrolment number etc.



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- k) Class Representatives appointed, student WhatsApp group and MOODLE related issues.
- l) Students were provided schemes of current semester through MOODLE account of the class coordinator.
- m) Students requested that all teachers please provide recording link (with sharing) and upload PPTs on MOODLE in a timely manner.
- n) In meeting students asked many questions such as, how to get Bonafied Certificate from the Institute? Where to submit scholarship form? Some subject theory classes are not properly delivered on time since last week.
- o) Discussion about the course coverage of various subjects, motivated students to attend classes regularly and submit quizzes/assignment timely.
- p) Briefly informed students regarding the next Girls-Grievances Cell meeting on 19 Jan 2022
- q) Students wanted preparation leave for mid-semester-I. They have query regarding the class representative.
- r) Some students have problems in electrical engineering practical labs.
- s) They want to know about the type of exam whether online or offline.
- t) Some students have problem in mechanic theory class.
- u) Quiz will be conducted in every week and each and every quiz and assignments is mandatory for students, so please attempt all quiz.
- v) Students were motivated to be active and take part in different online activities of the Institute.
- w) Student were briefed about the importance of NPTEL courses during their entire B. Tech Degree. They also understood the procedure of joining the courses in NPTEL and other online platforms.
- x) Account related problems, hostel registration related issues
- y) The students were told to be in touch with the class coordinator continuously for discussing their academic and other individual issues.

The full AEI report is enclosed as Annexure-

Item. 23: Report on sessions conducted by the departmental and central placement cell for First year students with reference to point (d) above

- The house reviewed the Report on sessions conducted by the departmental and central placement cell for First year students. The Summary of I Year Student Sessions for Placement Awareness is as follows:

S. No.	Name of Department	Date of Meeting	Registered Students	Students present
1.	Civil Engineering	24/02/2022	124	58
2.	Mechanical Engineering	08/02/2022	90	54
3	Automobile Engineering		18	12
4.	Electrical Engineering	10/02/2022	136	89



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5.	EE-Internet of Things		63	57
6.	Electronics/ Electronics & Telecommunication	21/02/2022	205	150
7.	Computer Science & Engineering	08/02/2022	139	78
8.	Computer Science and Design		66	42
9.	Chemical Engineering			
10.	Information Technology	25/02/2022	68	149
11.	IT- Internet of Things (IoT)		69	
12.	IT- Artificial Intelligence and Robotics		69	
13.	Artificial Intelligence and Machine Learning	28/02/2022	66	27
14.	Artificial Intelligence and Data Science		66	45
16.	Master of computer Application	04/02/2022	69	63
17.	Master of Business Administration (MBA)	10/02/2022	45	36

- Based on the feedback received from the first year students, during their sessions with class coordinators and HoD, the above sessions were organized at department level by the central and departmental placement cells.

(The information is compiled based on the reports received from the departments).

The full report is enclosed as Annexure-

Item. 24: Orientation programmes for the II, III & IV year students

- The house reviewed the following Summary of Orientation Programme conducted by each department of Institute for II, III & IV Year students:

S. No.	Name of Department	Date of Meeting	Year	Number of students
1.	Civil Engineering	10/01/2022	III	
		10/01/2022	IV	102
2.	Mechanical/ Automobile Engineering	11/01/2022	II to IV	243
3.	Electrical Engineering	17/01/2022	II	110
		10/01/2022	III	125



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		10/01/2022	IV	78
	Electrical (IoT)	17/01/2022	II	57
4.	Electronics & Electronics Telecommunication Engineering	17/01/2022	II	142
		10/01/2022	III	140
		10/01/2022	IV	80
5.	Computer Science Engineering	17/01/2022	II	95
		10/01/2022	III	91
		11/01/2022	IV	95
6.	Chemical Engineering	12/01/2022	II & IV	72
7.	Information Technology	20/01/2022	II	43
		13/01/2022	III	44
		13/01/2022	IV	27
	IT- Internet of Things (IoT)	20/01/2022	II	46
	IT- Artificial Intelligence and Robotics	20/01/2022	II	43
8.	Architecture	19/01/2022	II	26
		14/01/2022	III	27
		14/01/2022	IV	34
9.	Computer Applications	11/01/2022	IV & VI	67
10.	Master of Business Administration (MBA)	09/0/12022	II	17

Item 25: To present the report of online classes conducted in Session July-December 2021 compiled for the period 19th July 2021 to 31st December 2021

- The house reviewed the following report of online classes conducted in Session July-December 2021:

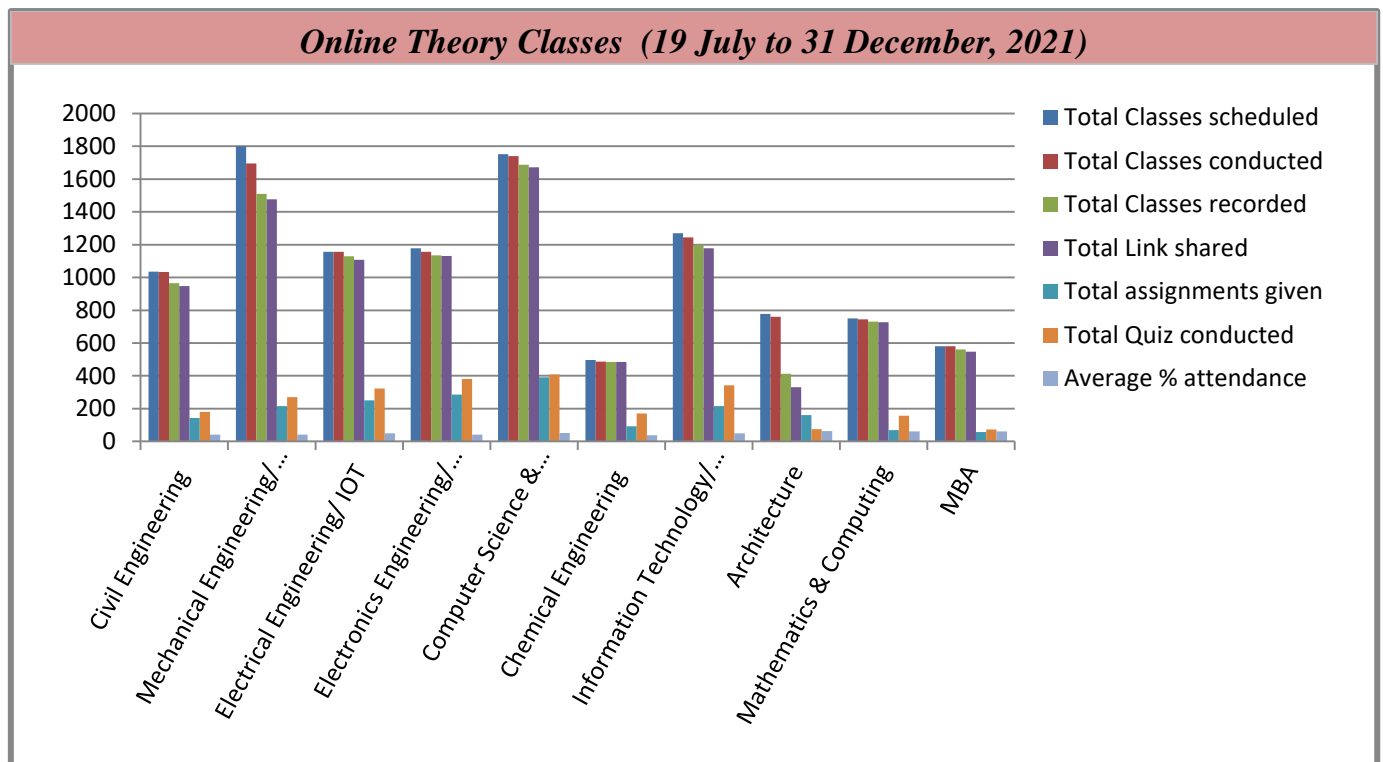
Summary of Online Classes (I-IV Year) (Session July-Dec. 2021) II to IV Year (19th July to 27th November 2021) & I Year (8th November onwards) Theory Classes							
Department	Total Classes scheduled	Total Classes conducted	Total Classes recorded	Total Link shared	Total assignments given	Total Quiz conducted	Average % attendance
Civil Engineering	1035	1034	965	948	144	181	41.73
Mechanical Engineering/ Automobile Engineering	1800	1694	1510	1477	216	270	42.54
Electrical Engineering/ IOT	1156	1156	1129	1107	250	323	49.50



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Electronics Engineering/ Electronics & Telecommunication Engineering	1178	1156	1135	1130	286	381	41.31
Computer Science & Engineering/ MCA	1752	1740	1688	1671	392	408	52.29
Chemical Engineering	496	487	485	485	93	170	37.07
Information Technology/ IOT/ AIR	1269	1245	1198	1177	216	342	50.32
Architecture	778	760	413	330	160	75	63.60
Mathematics & Computing	750	745	730	727	70	157	61.24
MBA	581	581	561	548	57	73	61.46



Practical Classes

Department	Total Classes scheduled	Total Classes conducted	Total Classes recorded	Total Link shared	Total Lab report formats uploaded	Average % attendance
Civil Engineering	220	220	196	196	203	39.77
Mechanical Engineering/ Automobile Engineering	411	406	357	357	369	36.49
Electrical Engineering/ IOT	774	774	716	716	702	50.78

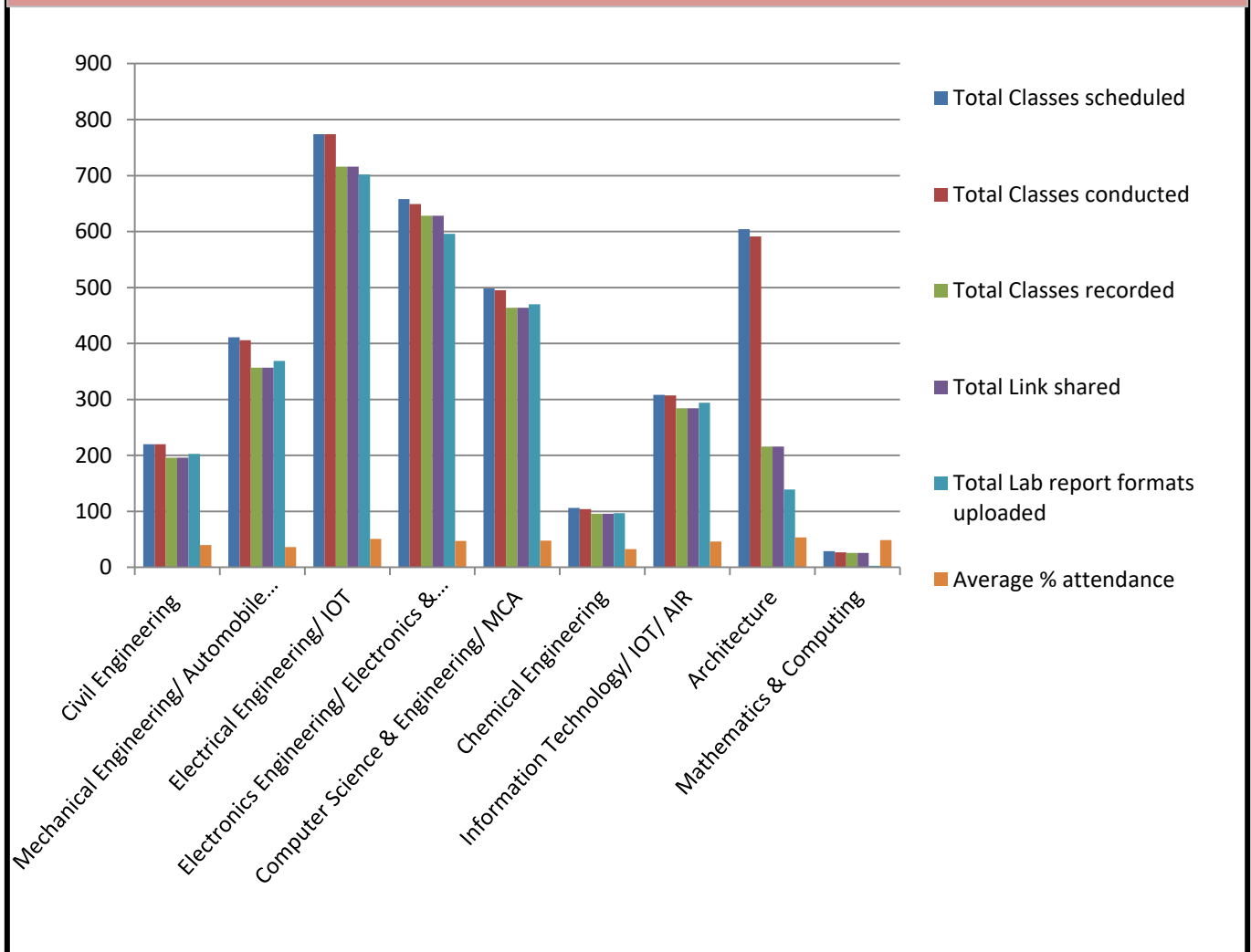


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Electronics Engineering/ Electronics & Telecommunication Engineering	658	649	628	628	596	47.04
Computer Science & Engineering/ MCA	498	495	464	464	470	47.90
Chemical Engineering	106	104	96	96	97	32.34
Information Technology/ IOT/ AIR	308	307	284	284	294	46.05
Architecture	604	591	216	216	139	53.69
Mathematics & Computing	29	27	26	26	3	48.92

Online Practical Classes (19 July to 31 December, 2021)



Additional Classes/Special classes for remedial purpose

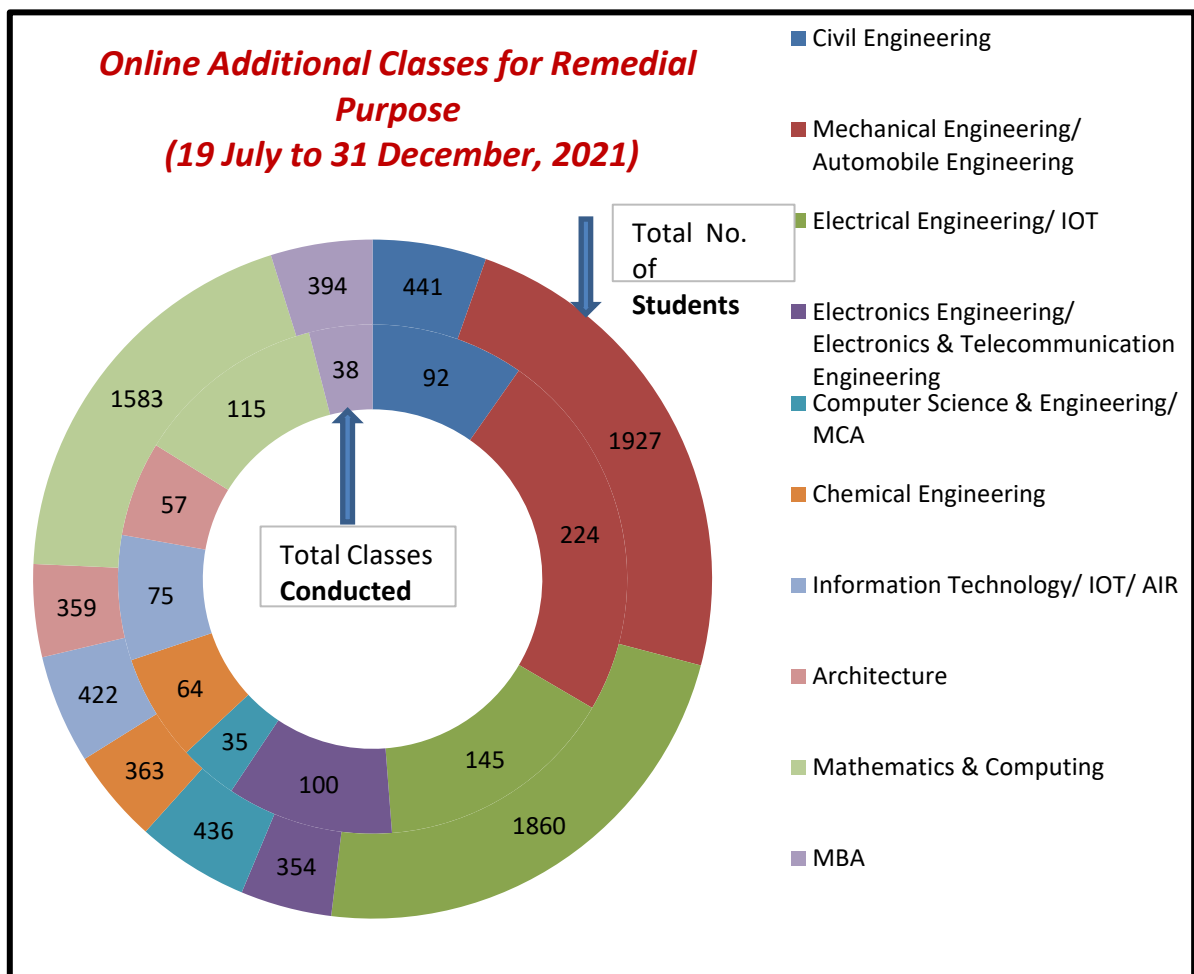
Department	Total Classes conducted	Total number of students
Civil Engineering	92	441
Mechanical Engineering/ Automobile Engineering	224	1927



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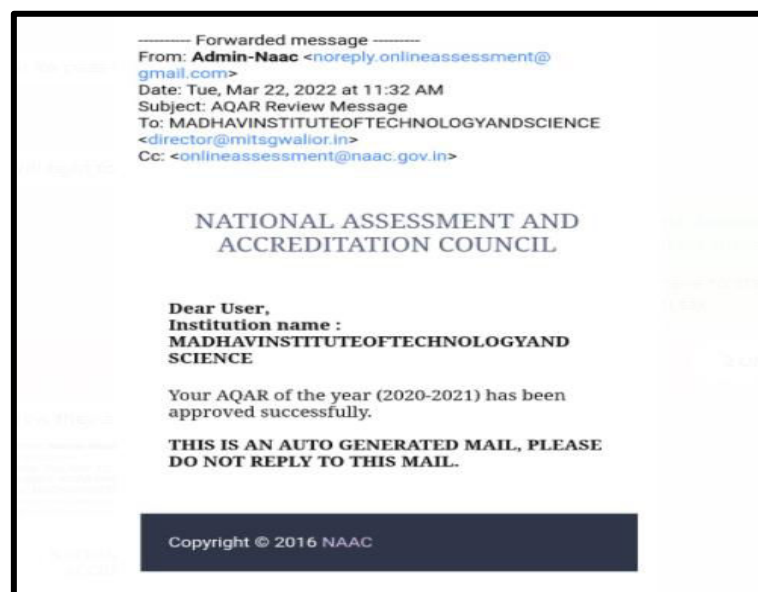
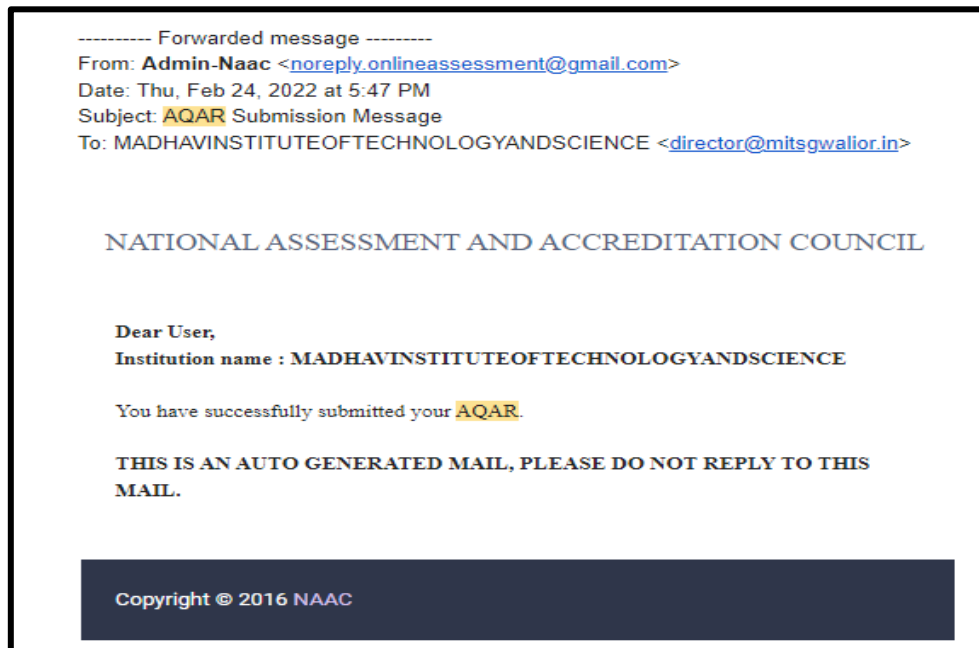
Electrical Engineering/ IOT	145	1860
Electronics Engineering/ Electronics & Telecommunication Engineering	100	354
Computer Science & Engineering/ MCA	35	436
Chemical Engineering	64	363
Information Technology/ IOT/ AIR	75	422
Architecture	57	359
Mathematics & Computing	115	1583
MBA	38	394
Total	945	8139





Item 26 : To report successful submission and approval of Annual Quality Assurance Report (AQAR) for the Year 2020-2021

- The Dean Academics & IQAC coordinator have appraised the house that the AQAR was submitted on 24th February 2022, in a timely manner
- The AQAR was approved by NAAC without any comments or revisions on 22nd March 2022.
- The screenshots of mails from NAAC, are as follows.





Item 27: Action Taken Report on 'teaching-learning feedback', (Second, Third & Fourth Year Classes), July-December 2021

- The Dean Academics has reported that as per IQAC initiative appreciation & concern letters were issued to following faculty members based on FFI-I & FFI-II for Second, Third & Fourth Year Classes:

FEEDBACK SUMMARY OF ONLINE CLASSES DURING [COVID-19]						
(Session - July to December, 2021)						
FACULTY FEEDBACK SUMMARY (II to IV YEAR BOTH FFI)						
[(Online FFI I & II on MOODLE (II Year (September 2021 & December 2021)) & ((III & IV Year (August 2021 & November 2021)))]						
Appreciation						
Name of Faculty	Subject Code	Subject Name	Class/ Semester	Feedback - I	Feedback - II	Average
Civil Engineering						
Dr. Abhilash Shukla	110713	Advanced Structural Design (RCC)	VII	4.71	4.06	4.39
Dr. Hemant Shrivastava	110715	Advanced Structural Analysis	VII	4.15	4.05	4.10
Electrical Engineering						
Prof. Vishal Chaudhary	130313 (A)	Network Analysis	III	4.12	4.12	4.12
Prof. Rahul Sagwal	130501 (B)	Signals and systems	V	4.30	4.44	4.37
Prof. Praveen Bansal	130503 (B)	Electrical Machine-II	V	4.27	4.42	4.35
Electronics Engineering						
Prof. Deep Kishore Parsediya	140312	Network Theory	III	4.28	4.07	4.18
Dr. R. P. Narwaria	140312	Network Theory	III	4.30	4.06	4.18
Prof. Pooja Sahoo	140314	Signal and System	III	4.22	4.05	4.14
Dr. Sandeep Sharma	140314	Electronic Measurement & Instrumentation	III	4.31	4.24	4.28
Dr. Hemant Choubey	200311	Electronics Circuit Design	III	4.43	4.26	4.35
Prof. Deep Kishore Parsediya	OC-3	MEMS & Mechatronics	VII	4.11	4.29	4.20
Computer Science & Engineering						
Prof. Hemlata Arya	150313 (B)	Computer Graphics	III	4.01	4.25	4.13
Prof. Aishwarya	150501	Discrete Structure	V	4.12	4.08	4.10
Prof. Arun Kumar	900220	R Programming	VII	4.10	4.09	4.10
Chemical Engineering						
Pof. Anish P. Jacob	170313	Chemical Engineering Thermodynamics	III	4.02	4.13	4.08
Dr. D. K. Jain (MAC)	100001	Engg. Mathematics-II	III	4.18	4.35	4.27
Dr. Rakesh K. Dubey	170714	Petrochemical Technology	VII	4.37	4.34	4.36
Information Technology						
Prof. Neha Bhardwaj	160311	CSO	III	4.00	4.00	4.00
Prof. Abhishek Dixit	160312	Design & Analysis of Algorithms	III	4.12	4.18	4.15
Prof. Saumil Maheshwari	230304	DBMS	III	4.30	4.21	4.26
Prof. Namrata Agrawal	160501	Discrete Structures	V	4.02	4.17	4.10
Dr. Akhilesh Tiwari	160714	Data Mining & Predictive Modelling	VII	4.34	4.58	4.46
Prof. Abhishek Dixit	900220	R Programming	VII	4.60	4.29	4.45



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Name of Faculty	Subject Code	Subject Name	Class/ Semester	Feedback - I	Feedback - II	Average
Mathematics and Computing						
Dr. D. K. Jain	250302	Discrete Mathematical Structures	III	4.40	4.58	4.49
Dr. D. K. Jain	100001	Engg. Maths-II	III	4.18	4.35	4.27
Prof. Mir Shahanawaz Ahmad (CSE)	250303	Operating System Concepts	III	4.32	4.32	4.32
Prof. Prabhakar Sharma	250304	Data Structures and Algorithms	III	4.42	4.42	4.42
Architecture						
Ar. Versha Sinha	210311	Architectural Design III	III	4.24	4.46	4.35
Ar. Pranshi Jain	210313	Graphics III	III	4.48	4.54	4.51

IMPROVEMENT						
Automobile Engineering						
Name of Faculty	Subject Code	Subject Name	Class/ Semester	Feedback - I	Feedback - II	Average
Dr. Harbhajan Ahirwar	190714	Two and Three Wheeler Technology	VII	-	2.44	2.44

Compiled by Rajni Mrs. Rajni Sharma
(Dean Academics Office)

submitted for information.

M. Pandit
07/02/2022
Dr. Manjaree Pandit
(Dean Academic)

R.K. Pandit
7.2.22
Dr. R.K. Pandit
(Director)

Report.

- (Sections are counted as separate courses)
- Out of 261 (UG) Courses offered during July-Dec 2021 session III, V and VII semester, 29 course faculty have been appreciated due to (i) Resonse being more than 50%. (ii) FFI I & II both being greater than 4 out of 5. This amounts to 10% faculty/courses. Permission may be given to issue appreciation letters to these faculty.
 - Only 01 faculty performance is found to be below the mark i.e. less than 3, FFI.
 - Pg courses are not being considered. MKO for appreciation as per practice. 07/02/2022.
- Permitted
R.K. Pandit
7.2.22



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Item 28: Action Taken Report on 'teaching-learning feedback', (First Year Classes), July-December 2021

- The Dean Academics has reported that appreciation & concern letters were issued to following faculty members based on FFI-I & FFI-II for First Year Classes:

(Session - July to December, 2021)						
[(Online FFI I & II on MOODLE (I Year (UG & PG)) (January 2022 & February 2022))]						
Appreciation						
Name of Faculty	Subject Code	Subject Name	Class/ Semester	Feedback - I	Feedback - II	Average
Civil Engineering						
Prof. Gautam Bhadoriya (Elex)	100020	Basic Civil Engineering & Mechanics	B.Tech./I	4.00	4.00	4.00
Dr. Abhilash Shukla (CSE)	100020	Basic Civil Engineering & Mechanics	B.Tech./I	4.09	4.34	4.22
Prof. Gautam Bhadoriya (CSE)	100020	Basic Civil Engineering & Mechanics	B.Tech./I	4.06	4.31	4.19
Mechanical Engineering/Automobile Engineering						
Dr. Manish Kumar Sagar (CE)	100014	Engineering Graphics	B.Tech./I	4.40	4.40	4.40
Prof. Vedansh Chaturvedi	ME/AU100014	Engineering Graphics	B.Tech./I	4.58	4.31	4.45
Dr. Gavendra Norkey	100015	Energy, Environment, Ecology & Society	B.Tech./I	4.23	4.12	4.18
Dr. Jyoti Vimal (CS)	CS100021	Basic Mechanical Engineering	B.Tech./I	4.51	4.61	4.56
Dr. Jyoti Vimal (IT)	IT100021	Basic Mechanical Engineering	B.Tech./I	4.37	4.30	4.34
Electrical Engineering/EE(IOT)						
Prof. Rakesh Narvey (EE)	100015	Energy Environment, Ecology & Society	B.Tech./I	4.37	4.28	4.33
Prof. Kuldeep K. Swarnkar (EE IoT)	100022	Basic Electrical and Electronics Engineering - I	B.Tech./I	4.31	4.24	4.28
Prof. Vishal Chadhary (CSE)	100022	Basic Electrical and Electronics Engineering - I	B.Tech./I	4.49	4.42	4.46
Prof. Vishal Chadhary (IT)	100022	Basic Electrical and Electronics Engineering - I	B.Tech./I	4.33	4.17	4.25
Prof. Kuldeep K. Swarnkar (IT IoT)	100022	Basic Electrical and Electronics Engineering - I	B.Tech./I	4.34	4.35	4.35
Dr. Vijay Bhuria (AIR)	100022	Basic Electrical and Electronics Engineering - I	B.Tech./I	4.34	4.45	4.40
Prof. Saurabh Kumar Rajput (AIML)	100022	Basic Electrical and Electronics Engineering - I	B.Tech./I	4.72	4.68	4.70
Prof. Saurabh Kumar Rajput (AIDS)	100022	Basic Electrical and Electronics Engineering - I	B.Tech./I	4.68	4.62	4.65
Prof. Rahul Sagwal (MAC)	100015	Energy Environment, Ecology & Society	B.Tech./I	4.13	4.27	4.20



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Name of Faculty	Subject Code	Subject Name	Class/ Semester	Feedback - I	Feedback - II	Average
Computer Science & Engineering						
Prof. Aishwarya	100015	Energy, Environment, Ecology & Society	B.Tech./I	4.15	4.44	4.30
Prof. Mir Shah Nawaz Ahmad	230102	Introduction to Computer Programming	B.Tech./I	4.55	4.62	4.59
Computer Science and Design (CSD)						
Prof. Jaimala Jha	290101	Introduction to Computer Science & Design	B.Tech./I	4.00	4.03	4.02
Information Technology						
Dr. Dhananjay Bisen	230102	Introduction to Computer Programming	B.Tech./I	4.00	4.16	4.08
IT Artificial Intelligence and Robotics (AIR)						
Dr. Vikram Rajpoot	230102	Introduction to Computer Programming	B.Tech./I	4.26	4.28	4.27
Dr. Tej Singh	240101	Introduction to Artificial Intelligence	B.Tech./I	4.09	4.40	4.25
IT Artificial Intelligence and Data Science (AI&DS)						
Prof. Namrata Agrawal	100015	Energy, Environment, Ecology & Society	B.Tech./I	4.03	4.10	4.07
Dr. Pawan Dubey	270101	Introduction to Artificial Intelligence & Data Science	B.Tech./I	4.32	4.12	4.22
Engineering Mathematics & Computing						
Dr. A. K. Ray (EE)	100011	Engineering Maths-I	B.Tech./I	4.46	4.62	4.54
Dr. Divya Chaturvedi (AIR)	250100	Linear Algebra	B.Tech./I	4.16	4.31	4.24
Dr. A. K. Ray (AIML)	250100	Linear Algebra	B.Tech./I	4.44	4.56	4.50
Prof. Prabhakar Sharma	250304	Introduction to Computer Programming	B.Tech./I	4.26	4.12	4.19
Dr. D. K. Mishra (MCA)	680111	Mathematical Foundations	MCA/I	4.21	4.40	4.31
Applied Science						
Dr. Anjula Gaur (CM)	100012	Engineering Chemistry	B.Tech./I	4.31	4.27	4.29
Humanities						
Dr. Sanjeev Khanna (AR)	210118	Professional Communication	B.Arch./I	4.46	4.10	4.28
Architecture						
Ar. Ankit Kumar	210113	Building Materials	B.Arch./I	4.48	4.36	4.42
Ar. Ankit Kumar	210114	Graphics-I	B.Arch./I	4.23	4.24	4.24
MCA						
Dr. Anshu Chaturvedi	680112	Data Structures and Algorithms	MCA/I	4.05	4.24	4.15
Dr. Parul Saxena	680113	Database Management Systems	MCA/I	4.61	4.53	4.57
Dr. R.S. Jadon	680114	Operating Systems	MCA/I	4.17	4.24	4.21
MBA						
Dr. Namrata Gupta (MCA)	680115	Management Functions and Oral & Written Communication	MCA/I	4.44	4.18	4.31

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Name of Faculty	Subject Code	Subject Name	Class/ Semester	Feedback - I	Feedback - II	Average
Dr. Namrata Gupta	700111	Management Functions & Behavior	MBA/I	4.30	4.01	4.16
Dr. Monica Chauhan Bhadoria	700113	Operations management	MBA/I	4.14	4.25	4.20
Dr. Trilok Pratap Singh	700116	Marketing Management	MBA/I	4.45	4.28	4.37
Prof. Yuvika Agarwal	700117	Managerial Communication	MBA/I	4.39	4.14	4.27

Compiled by - Mrs. Rajni Sharma
(Dean Academics Office)

M. Pandit
23/3/2022
Dr. Manjaree Pandit
(Dean Academic)

R.K. Pandit
23.3.22
Dr. R.K. Pandit
(Director)

As discussed in IQAC, permissions may be given to issue appreciation letters to faculty member for teaching the highlighted courses in First Year.

Submitted for information.

R.K. Pandit
23.3.22
Dr. R.K. Pandit
(Director)

Summary. B.Tech, MCA, MBA
- Total Courses in first year Classes - 96.
- No of Courses for which appreciation received/recommended - 42.
- No of faculty getting recommendation for 02 classes for the same course - 07.
- No appreciation letter recommended for Pg Engg. classes as no of students less and FFI almost converging to 5 for all faculty. *M.K.O.* 23/3/2022

7/7

- The IQAC members have also suggested that the feedback responses must be more than or equal to 60% for issuance of appreciation letters.

The full summary is enclosed as Annexure-

Item 29: To review the "Result Analysis Report" for July-December 2022 session

- The house reviewed the Result Analysis Report" for July-December 2022 session

And appreciated the efforts of students and faculty members for following observations:

- The exam of III, V and VII semester was conducted in online mode.
- The results were declared within one month.
- Almost no students have got C⁺, C or D grades.



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Analysis Report (Grading)

Program Name: B.Tech., SEMESTER: III

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S.No	Branch Name	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade						
					A+	A	B+	B	C+	C	D
1	AUTOMOBILE ENGINEERING	31	29	93	1	19	8	1	0	0	0
2	CIVIL ENGINEERING	146	126	86	13	59	44	9	1	0	0
3	CHEMICAL ENGINEERING	40	37	92	6	24	6	1	0	0	0
4	COMPUTER SCIENCE & ENGINEERING	139	126	90	26	67	28	4	1	0	0
5	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	68	58	85	25	32	1	0	0	0	0
6	ELECTRICAL ENGINEERING	142	112	78	18	79	15	0	0	0	0
7	INFORMATION TECHNOLOGY	72	57	79	9	27	19	2	0	0	0
8	MECHANICAL ENGINEERING	128	115	89	11	68	34	2	0	0	0
9	ELECTRONICS ENGINEERING	135	124	91	72	50	2	0	0	0	0
10	INFORMATION TECHNOLOGY (ARTIFICIAL INTELLIGENCE AND ROBOTICS)	72	62	86	33	28	1	0	0	0	0
11	INTERNET OF THINGS	66	58	87	6	44	8	0	0	0	0
12	MATHEMATICS AND COMPUTING	65	60	92	22	31	7	0	0	0	0
13	Internet of Things (IOT)	70	58	82	17	34	7	0	0	0	0

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Analysis Report (Grading)

Program Name: B.Tech., SEMESTER: V

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S.No	Branch Name	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade						
					A+	A	B+	B	C+	C	D
1	AUTOMOBILE ENGINEERING	67	64	95	0	13	43	8	0	0	0
2	CIVIL ENGINEERING	154	144	93	3	44	70	23	4	0	0
3	CHEMICAL ENGINEERING	58	57	98	3	21	30	3	0	0	0
4	COMPUTER SCIENCE & ENGINEERING	151	150	99	19	85	40	6	0	0	0
5	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	67	66	98	9	47	8	2	0	0	0
6	ELECTRICAL ENGINEERING	154	150	97	20	95	31	3	1	0	0
7	INFORMATION TECHNOLOGY	76	73	96	1	62	9	1	0	0	0
8	MECHANICAL ENGINEERING	149	140	93	6	74	54	6	0	0	0
9	ELECTRONICS ENGINEERING	132	131	99	17	95	19	0	0	0	0

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Analysis Report (Grading)

Program Name: B.Tech., SEMESTER: VII

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S.No	Branch Name	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade						
					A+	A	B+	B	C+	C	D
1	AUTOMOBILE ENGINEERING	68	65	95	2	22	28	12	1	0	0
2	BIOTECHNOLOGY	7	7	100	1	4	2	0	0	0	0
3	CIVIL ENGINEERING	143	126	88	1	39	68	16	2	0	0
4	CHEMICAL ENGINEERING	55	55	100	2	28	23	2	0	0	0
5	COMPUTER SCIENCE & ENGINEERING	139	139	100	8	81	44	5	1	0	0
6	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	66	65	98	1	53	11	0	0	0	0
7	ELECTRICAL ENGINEERING	145	142	97	1	82	57	2	0	0	0
8	INFORMATION TECHNOLOGY	69	64	92	8	46	10	0	0	0	0
9	MECHANICAL ENGINEERING	146	143	97	14	95	29	5	0	0	0
10	ELECTRONICS ENGINEERING	132	128	96	29	91	8	0	0	0	0



Item 30: Gender sensitization activities and report of the Girls' Grievances Cell

➤ The house reviewed the report of Girls' Grievances Cell and appreciated conduction of following Gender sensitization activities:

1. The Institute follows the Guidelines provided by UGC/SAKSAM.
2. The Institute creates awareness through conduction/organization of different activities/workshops in online/offline mode, details of which is also available on website.

Link for the Annual Gender Sensitization Action Plan

[http://www.mitsgwalior.in/ggc/Gender%20Sensitization%20action%20Plan%20\(1\)%20\(1\).pdf](http://www.mitsgwalior.in/ggc/Gender%20Sensitization%20action%20Plan%20(1)%20(1).pdf)

3. Students can submit their grievances directly either in person to the Institute Girls Grievance Cell or through email at ggc@mitsgwalior.in
4. This year, 2021 the Girls Grievance Cell has received a grievance reported by a student through mail. With her consent an online meeting was organized by committee members for addressing the issue. The grievance was resolved in three sessions on the basis of conciliation by both the parties. Minutes of the meetings of students' grievance redressal committee is uploaded in detail on website.

Meeting Links:

<http://www.mitsgwalior.in/ggc/Minutes-24.05.21.pdf> <http://www.mitsgwalior.in/ggc/Minutes-%2028.05.21.pdf> <http://www.mitsgwalior.in/ggc/Minutes-%2001.06.21.pdf>

5. The following events were conducted at Department Level.

Objective: To instil positive values so as to erase biases in the young developing minds as they progress towards a fair and unbiased society

<u>Date</u>	<u>Participant</u>	<u>Outcomes</u>	<u>Drive Link (Attendance)</u>	<u>Drive Link (Brochure)</u>	<u>Glimpse/Snapshot link</u>
18/12/2021	50	Provide information and education about discrimination or rights of women	https://docs.google.com/spreadsheets/d/1wab4TozVBSsHWnKZ_cLgUsWyhH6CQIja/edit?usp=sharing&ouid=106758900405488358137&rtpof=true&sd=true	https://drive.google.com/file/d/1eBNJUpCbwmmeN5oyTqFeLp2dpWNg7sva/view?usp=sharing	https://drive.google.com/drive/folders/1qJHdyIXvqndCofVs7SwzUaJrOLic?usp=sharing
03/02/2022	54	Provide information and education about discrimination or rights of women	https://docs.google.com/spreadsheets/d/1wab4TozVBSsHWnKZ_cLgUsWyhH6CQIja/edit?usp=sharing&ouid=106758900405488358137&rtpof=true&sd=true	https://drive.google.com/file/d/1Au9U9KuEoLPhRbu1kl1bfgPnSOK4Cis5/view?usp=sharing	https://drive.google.com/drive/folders/1qJHdyIXvqndCofVs7SwzUaJrOLic?usp=sharing



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Item 31: Status of Ph.D. research work and six monthly monitoring

- The Dean Academics of the Institute has appraised the house about the six monthly monitoring process for Research Scholars registered for Ph.D. under various schemes and status of research work. Following are the details of six monthly progress monitoring and Ph.D. research work:

S.No.	Department	Total No. of Student Registered (RGPV/TEQIP/NDF/QIP)	Total No. of Student Present	Total No. of Student Absent
1.	Civil Engineering	10	08	02
2.	Mechanical Engineering	17	14	03
3.	Electrical Engineering	16	14	02
4.	Electronics	13	10	03
5.	CSE/IT	21	21	00
6.	Architecture	15	14	01
7.	Engineering Mathematics & Computing	01	00	01

SUMMARY OF Ph.D. THESIS

(Awarded: 04; Submission of draft thesis :07; Final Thesis Submitted:10)

(July 2021 to March 2022)

S.No.	Department	Name of Candidates	Name of Supervisor	Title of thesis	Status(Awarded/ Final Thesis/ Draft thesis)
1	Mechanical Engineering	Gaurav Saxena	Dr. Manoj Kumar Gaur	Development and Performance evaluation of PVT Hybrid System	Notification No. RGPV/Ph.D./248/4397 dt. 09.11.2021 (Awarded 2021-2022)
2	Electrical Engineering	Pallavi Bondriya	Dr. A.K. Wadhvani Dr. Yogendra Kumar	Optimal Location and Size of Distributed Generation Using Soft Computing Techniques	Notification No. RGPV/Ph.D./31/1191 dated 08/02/2022 (Awarded 2021-2022)
3		Alka Thakur	Dr. S. Wadhvani Dr. A.K. Wadhvani	Fault Detection and Analysis of Rotating Electrical Machine using Soft Computing Techniques.	Draft Thesis Submitted



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4		Manoj Kumar Bandil	Dr. A.K. Wadhvani	Multi-Resolution Epileptic Classification of Electroencephalogram Using Hybrid Soft Computing Techniques.	Draft Thesis Submitted
5		Shalini Sahay	Dr. A.K. Wadhvani Dr. Sarita Singh Bhadauria Dr. Sulochana Wadhvani	Computer Aided Interpretation of Bioelectric Signals.	Notification RGPV/Ph.D/77/810 dt. 29.11.2021) (Awarded 2021-2022)
6		Shilpi Sisodia	Dr. A.K. Wadhvani Dr. Yogendra Kumar	Transmission System Planning Using Evolutionary Techniques	Final Thesis Submitted 07.03.2022 and viva 24/02/2022
7		Nikhil Paliwal (RA) under TEQIP III	Dr. Laxmi Srivastava Dr. Manjaree Pandit	Power System Frequency and Voltage Control Using Intelligent Computational Techniques	Final Thesis Submitted 20.12.2021
8.		Anjali Agrawal	Dr. Seema N. Pandey Dr. Laxmi Srivastava	Development of Financial Mechanisms for Managing Congestion in Copetitive Power Markets.	Draft Thesis Submitted
9.		Parul Pathak	Dr. P.K. Singhal	Design of Broadband Antennas for Wireless Applications	Draft Thesis Submitted
10.		Deepti Gupta	Dr. P.K. Singhal	Desing and Development of Microstrip Filters using Matamaterials	Draft Thesis Submitted
11.		Rakesh Singh Rajput	Dr. Rekha Gupta Dr. Aditya Trivedi	Spectrum Sensing Techniques using Energy and Eigenvalue based Algorithm.	Final Thesis Submitted
12.		Keshav Mishra	Dr. Rekha Gupta Dr. Aditya	Performance Improvement of Resource Allocation	Final Thesis Submitted



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			Trivedi	Scheme for Cognitive Radio Networks	
13.		R. Jenkin Suji	Dr. Sarita Singh Bhadauria	Performance Improvement of Computer Aided Diagnosis System for Biomedical Images.	Final Thesis Submitted
14.		Gaurav Saxena	Dr. Sarita Singh Bhadauria	Feature Extraction of Environmental Images	Draft Thesis Submitted
15.	Computer Science and Engineering/ IT	Arvind Kumar Sharma	Prof. R.K. Gupta	"Development of New Algorithms for Trend Detection and Prediction in Spatial Databases"	Final Thesis Submitted (18.01.2022)
16.		Punit Kumar Johari	Prof. R.K. Gupta	A novel approach for retrieving images using soft computing techniques'	Final Thesis Submitted (25.01.2022)
17.		Abhilash Sonker	Prof. R.K. Gupta	A New Approach for misbehaviour detection of nodes VANET	Final Thesis Submitted (25.01.2022)
18.		Kirti Raj Bhatele	Dr. Sarita Singh Bhadauria	Design and Analysis of an automated Approach to detect Brain Disorders	Notification No. RGPV/PhD/229/1191 dt. 14.03.2022 (Awarded 2021-2022)
19.		Jaimala Jha	Dr. Sarita Singh Bhadauria	A Framework for Fast Retrieval and Identification of Monument Images using Visual Features and data Mining Techniques'	Draft Thesis Submitted
20.		Abhishek Dixit	Dr. Akhilesh Tiwari Dr. R.K. Gupta	Swarm Intelligence Based Framework for Multilevel Hesitation Mining	Final Thesis Submitted (09.11.2021)
21.	Computer Application	Mahendra Pratap Singh Dohre	Dr. R.S. Jadon	An Innovative Approach for User Profile based Online Searching on Web Content.	Final Thesis Submitted



Item 32: Report on NSS and other extension activities

- The house appreciated the efforts taken by NSS team for the regular conduction of following activities for the holistic development of students and society welfare:
 - Twenty-eight activities have been conducted since July 2021
 - Department of Electronics Engineering conducted a three-day online workshop on “**Importance of Meditation in Routine Life**” from 29th September 2021 to 01st October 2021 from 05:00PM to 6:00PM (each day), with 32 participants.
 - Department of Architecture and Planning conducted one-day Seminar on 2nd September 2021 under PMAY on 'Awas Par Samvaad'
 - **Prof(Dr.) I.K. Bhat, External Member in IQAC & Dr. N. Miglani** has suggested to adopt villages and identify few places like bus stand, railway station, Gola Ka Mandir etc for extension services through students as a part of Professional Ethics and Human Values course.

The full report on NSS and other extension activities is enclosed as Annexure-

Item 33: Feedback on question paper (From First Year Students)

- The Dean Academics appraised the house about the following Feedback mechanism adopted for first year question papers:
 - As a routine practice, on-line question paper feedback is collected from students on the day of the examination.
 - The students can give their comments about the question paper.
 - Appropriate actions are taken by the Director/Examination Controller, wherever necessary, maintaining the confidentiality of the matter.

Item 34: Report on Fortnightly Progress Report (FPR) of FINAL YEAR Internships

- The Director of the Institute has appraised the house about following initiative taken by the Institute to enhance the employability of the students through full VIII semester internship:
 - The institute, in a first of its kind initiative at the state level, has a provision of full VIII semester internship.
 - For constant monitoring and continuous evaluation of the students, the FPRs are sought from the industry mentor.
 - The compiled reports are monitored at the central level.
 - This report is also part of the AEI computation.
 - The status of FPRs received so far is as follows:



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Report	Civil	Mech/Auto	Electrical	EC/ET	CSE	IT	Chem
First	-	✓	✓	✓	✓	✓	-
Second	-	-		✓	✓	✓	✓
Third	-	-	✓	✓	✓	✓	-

Item 35: Report on Department Level Alumni Meet conducted in virtual mode.

- As reported in the previous meeting of the IQAC on 23rd December 2021, the house reviewed the status of first alumni meets which were conducted at each department vide Order. No. 1886 Dated 21/10/2021 and appreciated the following activities conducted by the Alumni and Industry Cell (AIIC) and the:

Summary of Alumni Meet conducted by the Departments

S.No.	Department	Date	Number of Participants
1	Mechanical Engineering	18/12/2021	75
2	Electrical Engineering	30/12/2021	39
3	Electronics Engineering	29/12/2021	48
4	Computer Science and Engineering	23/12/2021	63
5	Information Technology	22/02/2022	15

Report of Alumni and Industry Interaction Cell (AIIC)

As per the order number, 1098, dated 29 June, 2021 the Alumni & Industry Interaction Cell (AIIC) was constituted with the aim of the enhancement in the interaction between Industries, Alumni and Institute.

The following programs were conducted by AIIC:

1. Plans are proposed for interaction enhancement on 07 July, 2021. The plans are: (1) Vender Development Program (2) Faculty to Factory program (3) Joint Publication initiative (4) Industrial Alumni Meet (5) Faculty ARO-Alumni Relation Officer (6) Off-Campus Faculty
2. On 29 July, 2021, the Industry Alumni Meet (14 Aug, 2021) was postponed.
3. Cell proposed the plan for Engineers Day (15 Sep, 2021) on 23 July, 2021. The theme is: Revitalizing the branding statement
4. A committee is formed on 24 Aug, 2021 to update the information on Wikipedia about Gwalior and MITS Gwalior.
5. Entrepreneurship development program “**Space Technology - Towards Self-Reliant India**”, a five days session from 5 Sep, 2021 – 9 Sep, 2021 was conducted with few of the most profound personalities in online mode.

- Prof. N.K .Gupta - Scientist,LPSC/ISRO, MITS Batch(1967-71)
- Mr. Chandan Saxena - Scientist, LPSC/ISRO, MITS Batch (2012-2016)
- Mr. Akhilesh Sharma- Scientist, SG, SAC, Ahmedabad, MITS Batch (1995-1999)



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The report of the event can be viewed using the link-
https://drive.google.com/file/d/1x5hkDAyF-hshQAVWz9WNL1K-bZY_bhzc/view?usp=sharing

6. Engineers' Day Poster launched on 15 Sep, 2021.

7. Registration form was launched on 28 Oct, 2021 for the MITS-Alumni meet (24-25 Dec 2021).

8. On 28 Oct, 2021, a program "My story of a patent" by Industry Alumni Er. RK Khetan was cancelled.

9. AIIC Celebrated "Azadi ka Amrit Mahotsav" on 11 Nov, 2021. In this Program Dr R Bunker, DRDE was presented.

10. To understand the "Yukti Sanchita 2021" a collaborative project scheme of ISRO scheme and writing a research proposal a special interaction session on "Research projects in Space Technology" was organized on 17 Nov, 21 at 4pm at Seminar hall no-2 for Faculty and PhD students in offline mode. ISRO Scientist Prof N.K. Gupta was the speaker for this session. The report of the event can be viewed using the link-
<https://drive.google.com/file/d/13RFsp1hsp6378IEX5B5VMnr8loXTZSrF/view?usp=sharing>

11. Mode of the Alumni Meet 2021 (24-25 Dec. 21) was changed from blended to Online on 02 Dec., 2021. Later on the Alumni Meet was postponed due to election.

12. Facebook Page for AIIC was created and a New Year Eve poster was launched on 30 Dec. 2021.

13. A Program named "घनाक्षरी" was delivered by Ms Jyoti Dohare, MITS alumni (Batch 2007-2011, Mech student).

14. KAPILA scheme was proposed along with the MoU from PNR- IP Consultants, Gwalior on 4 January, 2022 and got permitted on 11 Jan 22

15. NABARD's Vender Development Program, Gwalior was attended on 07 January, 2022.

Proposed events of AIIC, which will be conducted in the year 2022:

1. "Engineers for Society"- The aim of this event is inspire the budding engineers to learn how the industries work innovatively to serve the society. This event will have story telling and movie making competition based on their engineering journey in the MITS.

2. "Alumni Meet 2022" - The aim of this event is to enhance the interaction between alumni and the institute. This will be a two-day meet.

SUMMARY OF ACTIVITIES OF THE AIIC	
29 June 21	Formation of Alumni and Industry Interaction Cell
7 July 21	Presented plan for interaction enhancement; (1) Vender Development Program (2) Faculty to Factory program (3) Joint Publication initiative (4) Industrial Alumni Meet (5) Faculty ARO-Alumni Relation Officer (6) Off-



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	Campus Faculty
29 July 21	Industry Alumni Meet (14 Aug 21) postponed
23 July 21	Proposed plan for Engineers Day: 15 Sept. 21 on Theme: Revitalising the branding statement
24 Aug 21	updated information on Wikipedia for Gwalior and MITS Gwalior
5-9 Sept 21	MITS Alumni working at ISRO delivered a 5D Entrepreneurship awareness program on Space Technology: Towards self-reliant India
15 Sept 21	Engineers' Day Poster launched
28 Oct 21	MITS-Alumni meet 24-25 Dec 21 Registration Launched
28 Oct 21	My story of a patent by Industrial Alumni Er RK Khetan cancelled
11 Nov 21	Celebrated "Azadi ka Amrit Mahotsav" where Dr R Bunker, DRDE interacted
17 Nov 21	Interaction Session with Prof NK Gupta i.e. 'Research Projects in Space Technology'
2 Dec 21	Preparation changed to do Online Alumni Meet 21 on 24-25 Dec. 21 (later postponed to after election)
30 Dec 21	AIIC Facebook Page started and a New Year Eve poster Launched
31 Dec 21	घनाक्षरी delivered by Ms Jyoti Dohare, 2007-11 Mech Batch
4 Jan 22	KAPILA scheme proposed with MoU with PNR- IP Consultants, Gwalior
7 Jan 22	NABARD's Vender Development Program, Gwalior

The full report on Alumni Meets conducted by the departments is enclosed as Annexure-

Item 36: To report about sanction of seed money for research "Innovative Research Scheme – 2021"

- The IQAC coordinator has appraised the house regarding approval of BoG of the Institute for seed money to faculty members for Innovative Research. The details of IRS-scheme are as follows:
 - The Board of Governors in its meeting held on 14th October, 2021 at MITS, Gwalior vide item No.2 (HR Item No.05 dated 18.08.2021) approved following numbers of seats for seed money under IRS scheme. The sanction of IRS projects to the faculty shall be done by the Research Committee of the institute as constituted as per the UGC norms.

No. of approved seats for seed money	2021-22	2022-23	2023-24	2024-25
	10	10	20	20

- The total limit of funding for the same is fixed as Rs. 3,00,000/- (Maximum) for each faculty selected under the IRS scheme.
- With reference to Order No. 2126, dated 01.12.2021(Call for proposals under "Innovative Research Scheme-2021), and further review and recommendation of evaluation/expert committee, following proposals are approved under "Innovative Research Scheme – 2021"as per specific recommendations mentioned for concerning Research Project:



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No.: 230

Date: 12.02.2022

ORDER

With reference to Order No. 2126, dated 01.12.2021 (Call for proposals under "Innovative Research Scheme-2021), and further review and recommendation of evaluation/expert committee, following proposals are approved under "Innovative Research Scheme – 2021" as per specific recommendations mentioned for concerning Research Project:

S. No.	Principal Investigator	Title of Research project	Grant/ seed money Sanctioned (Rs.)			Recommendations
			Non-Recurring	Recurring	Total Amount	
1	Dr. M.K. Trivedi Professor & Head, Civil Engg.	Source apportionment of the fine particulate matter in ambient air.	2,50,750/-	20,000/-	2,70,750/-	-
2	Dr. Jayvant Choudhary Asstt. Professor Civil Engg.	Sustainable utilization of Agriculture and Industrial Wastes for the construction of mechanically superior and cost-effective Flexible Payments	2,54,740/-	20,000/-	2,74,740/-	-
3	Dr. Prachi Singh Asstt. Professor Civil Engg.	Determination and assessment of heavy metal concentration in road dust.	2,65,000/-	20,000/-	2,85,000/-	The list of equipments/ items proposed through revised proposals will be considered.
4	Dr. Abhilash Shukla Asstt. Professor Civil Engg.	Performance enhancement of mortar containing recycled fine aggregate.	2,54,000/-	20,000/-	2,74,000/-	-
5	Dr. C.S. Malvi Professor Mechanical Engineering	Development of steam test-rig for testing material's performance	2,40,000/-	20,000/-	2,60,000/-	-
6	Prof. Praveen Bansal Asstt. Professor Electrical Engg.	Modeling, control and experimental investigation of a Novel DSTATCOM based on cascaded H-bridge Multilevel Inverter	2,53,100/-	20,000/-	2,73,100/-	-
7	Dr. Rahul Dubey Asstt. Professor Electronics Engineering	Premature delivery detection using EHG signals	*	20,000/-	20,000/-	The equipments/ items proposed under non-recurring head will be utilized from the existing IT infrastructure in the Department/ Institute.
8	Dr. Deepak Batham Asstt. Professor Electronics Engineering	Design of efficient routing and resource provisioning algorithms for elastic optical networks.	*	20,000/-	20,000/-	*The equipments/ items proposed under non-recurring head will be utilized from the existing IT infrastructure in the Department/ Institute.

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9	Dr. Varun Sharma Asstt. Professor Electronics Engineering	Study of Electronic and Transport properties of Transition Metal Dichalcogenides Nanoribbons for toxic gas sensor application using first-principles in cloud assisted environment	*	20,000/-	20,000/-	*The equipments/ items proposed under non-recurring head will be utilized from the existing IT infrastructure in the Department/ Institute.
10	Dr. Sushmita Chau dhari Asstt. Professor Electronics Engineering	"Simulation of Ag doped CZTS based solar cell by using SCAPS-ID"	*	20,000/-	20,000/-	*The equipments/ items proposed under non-recurring head will be utilized from the existing IT infrastructure in the Department/ Institute.

The research proposal submitted by Dr. Shubhi Kansal, Asstt. Professor, Electronics Engineering, titled "Early detection of different neurological disorders through magnetic resonance imaging (MRI) and magnetic resonance spectroscopic (MRS) image/signal processing" may be re-submitted in next financial year for consideration.

Note:

1. The faculty members approved as PI under IRS will implement the project in addition to already assigned work by Department/Institute authority as per expected outcomes of research project and IRS Scheme.
2. The Institute shall not consider any request for additional grant. The grant will be utilized strictly for the purpose as specified above. Re-appropriation of funds from one head to another is strictly not permitted.
3. The list of equipment decided by the experts is final and there can be no changes later on. Prior permission & sanction will be taken for the procurement of equipment/item. Institute purchase procedure and norms will be followed for both recurring/non-recurring items.
4. The duration of each research project will be two years from the date of approval of project i.e. 12.02.2022. The mid-term progress review & final review for the projects listed at Sr. No. 1 to 10 will be conducted as per IRS-2021 guidelines.
5. The each PI will submit an undertaking that He/ She will not leave the Institute during Project duration. In case He/ She leave the Institute during project period, the utilized amount will be refunded back to the Institute by the PI.
6. The PI/Co-PI will acknowledge the IRS-2021 and Institute in all publications i.e. Research papers/patent/book chapters, etc. related with the Project.


(Dr. R. K. Pandit) 12.2.22
DIRECTOR

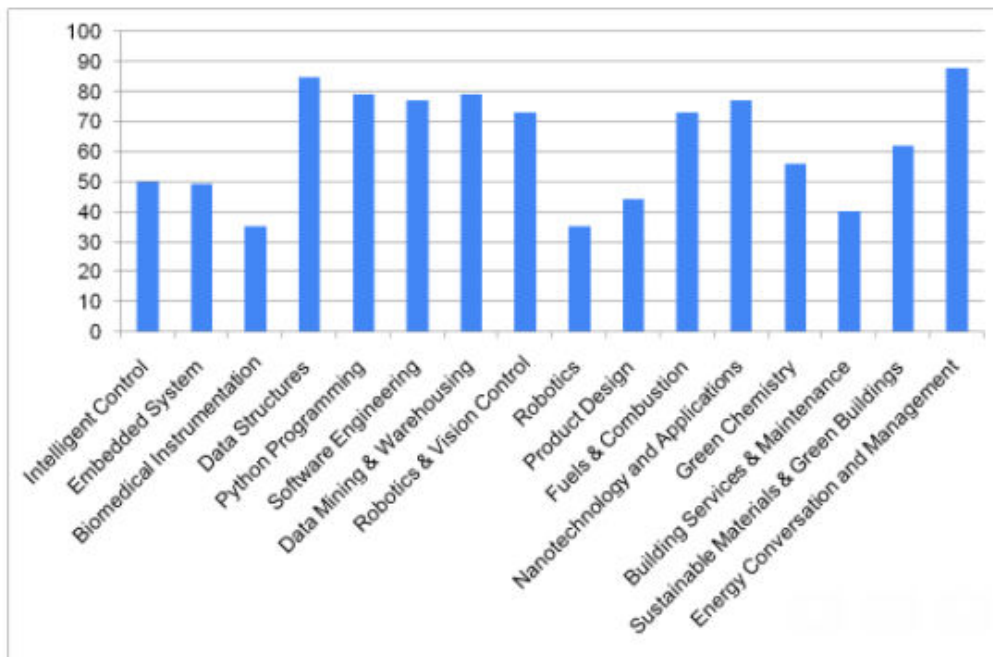
Copy to:

1. Faculty approved as Principal Investigators under IRS-2021
2. Concern Head of the Department
3. Dean Academics
4. Registrar
5. Finance & Accounts Section
6. Human-Resources (HR) Section
7. Director Office



Item 37: To report the registration for OC courses in Jan-June 2022 session

- The Dr. Akhilesh Tiwari, Member Secretary, Academic Council has reported following status of registration in 16 open category courses opted by the students during Jan-June 2022 session:



S.No	OC-1 Course Name	Total Registrations
1	Intelligent Control	50
2	Embedded System	49
3	Biomedical Instrumentation	35
4	Data Structures	85
5	Python Programming	79
6	Software Engineering	77
7	Data Mining & Warehousing	79
8	Robotics & Vision Control	73
9	Robotics	35
10	Product Design	44
11	Fuels & Combustion	73
12	Nanotechnology and Applications	77
13	Green Chemistry	56
14	Building Services & Maintenance	40
15	Sustainable Materials & Green Buildings	62
16	Energy Conservation and Management	88
	Total	1002



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Item 37: Any other point with the permission of chair.

- (i) **Prof. I K Bhat** has congratulated the Institution for various initiatives for academics and holistic development of Students. Prof. Bhat also suggested to emphasis on Problem/Project Based Learning, credits for startup activities, multidisciplinary projects and peer assessment.
- (ii) **Prof. I. K. Bhat and Dr. N. Miglani** suggested to:
 - a. showcase the Institution achievements for global presence. Prof. Bhat suggested to take extensive efforts for branding and perception.
 - b. during academic presentations by faculty members few slides must be presented on Institution achievements like Institute collaborations with other HEIs and Industries.

Meeting ended with the thanks to chair.

(Dr. Pratesh Jayaswal)
Coordinator IQAC

(Dr. R. K. Pandit)
DIRECTOR

Date: 25.03.2022