



ST. FRANCIS INSTITUTE OF TECHNOLOGY (ENGINEERING COLLEGE)

*An Autonomous Roman Catholic Christian Minority Educational Institute
Approved by AICTE & Govt. of Maharashtra with permanent Affiliation to University of Mumbai*

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Ref:

Date:

10/07/2024

DRAFT MINUTES

Minutes of the IQAC meeting held on 06/07/2024 at 10.00 a.m. in hybrid mode (Online). The following members attended the meeting.

Members present:

1. Bro. Shantilal Kujur – Director
2. Bro. Joy Kurian – Deputy Director
3. Dr. Sincy George – Principal
4. Dr. Gautam Shah – Vice Principal
5. Dr. Kevin Noronha – Coordinator/Director IQAC, Member-Secretary
6. Mr. Lester Fernandes – Member
7. Mr. Conrad Frank – Alumni Nominee
8. Dr. S.N. Merchant – Member
9. Dr. Deepak Jayaswal – Dean Academics
10. Dr. Kavita Sonawane – HOD, CMPN
11. Dr. Prachi Raut – HOD, INFT
12. Dr. C. Hariprasad – FE HOD & Dean Student Affairs
13. Mr. Sunil Pansare – In-charge HOD, Mechanical Engg.
14. Ms. Megha Fernandes - In-charge HOD, Electrical Engg.
15. Dr. Uday Pandit Khot – R&D Coordinator
16. Dr. Nitika Rai – In charge, IQAC
17. Ms. Deepa Panakkal – In charge, IQAC
18. Mr. Wilson Pinto - TPO
19. Mr. Francis D'Sozua – Senior Administrative Officer
20. Ms. Cecilia Lopes – Administrative Officer

Members absent.

21. Mr. Albert D'Souza
22. Mr. Bhuvan Damahe
23. Mr. Prashant Kadam
24. Mr. Swastik Sawant

After reciting the college prayer, Dr. Kevin Noronha, Member- Secretary, extended a warm welcome to all the members. Then, the agenda points that were circulated to the members in advance were taken up.

Item 1: To read and approve of the minutes of the Internal Quality Assurance Cell (IQAC) meeting held on 10/02/2024.

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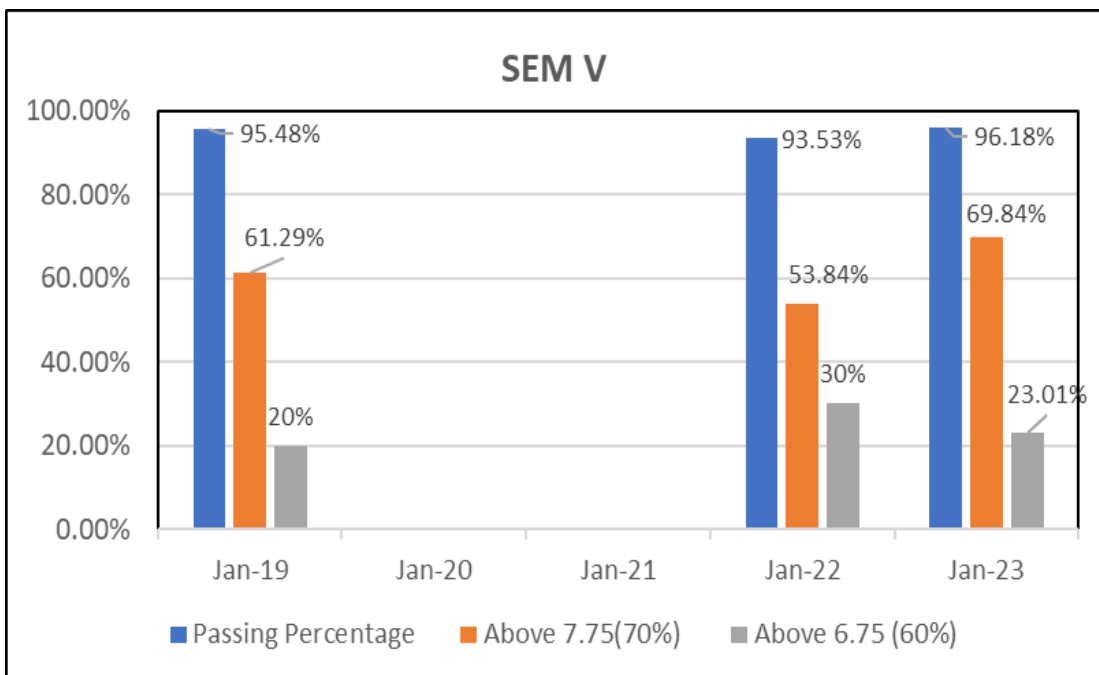
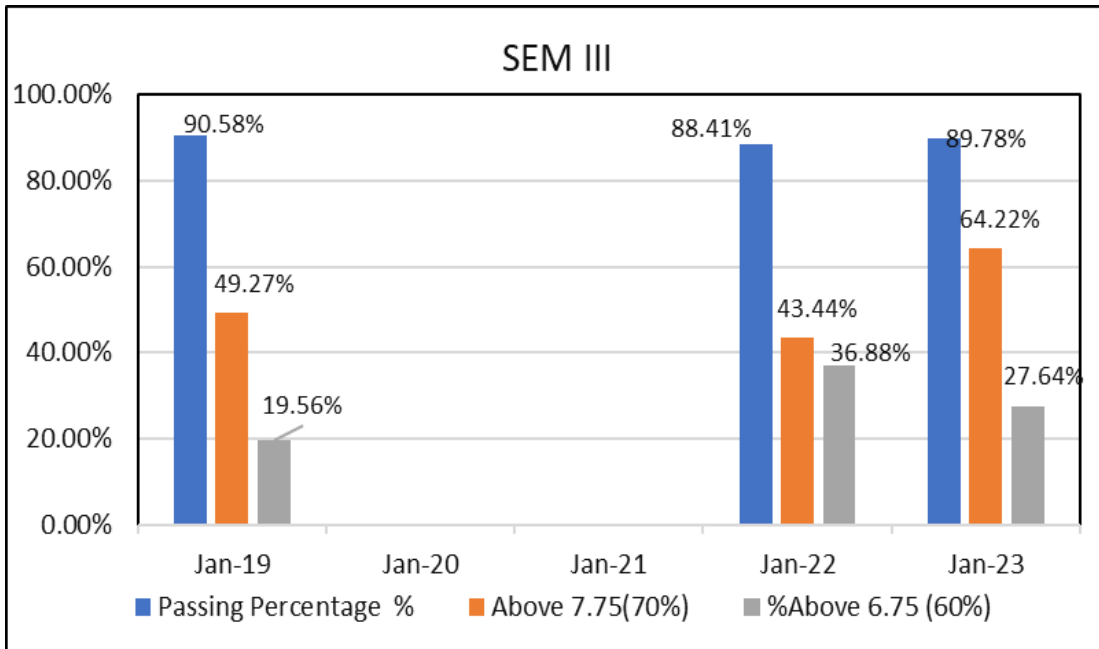
The draft minutes were circulated to all members inviting amendments, comments, if any to be made in the draft minutes. There was a minor change with regards to UHV. The said corrections/suggestions were done and the draft minutes were confirmed.

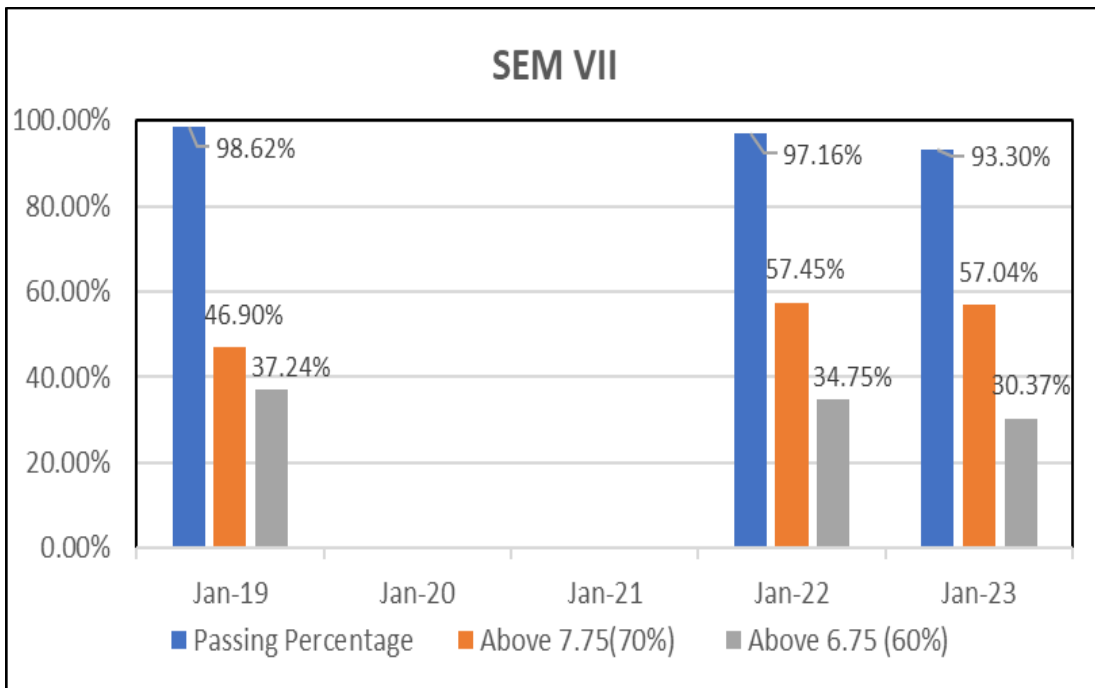
Item 2: Result analysis of December 2023.

Dr. Kevin Noronha then presented the result analysis of various departments and requested HODs of the department to comment on the same. Dr. Kevin Noronha clarified that the covid years are excluded from the

analysis.

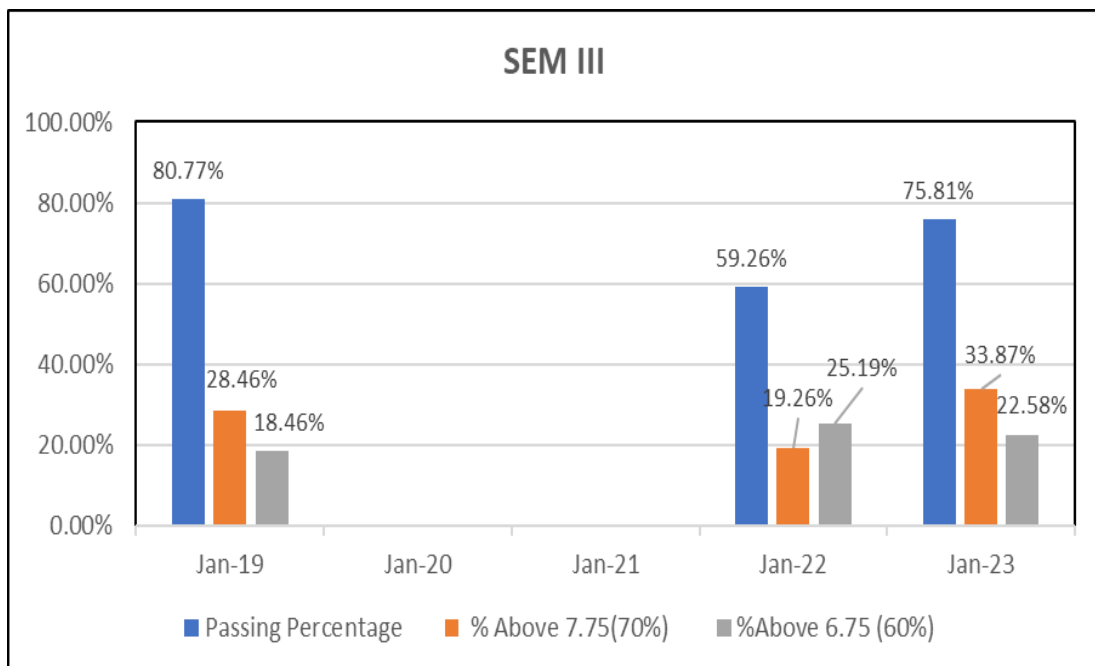
CMPN Department

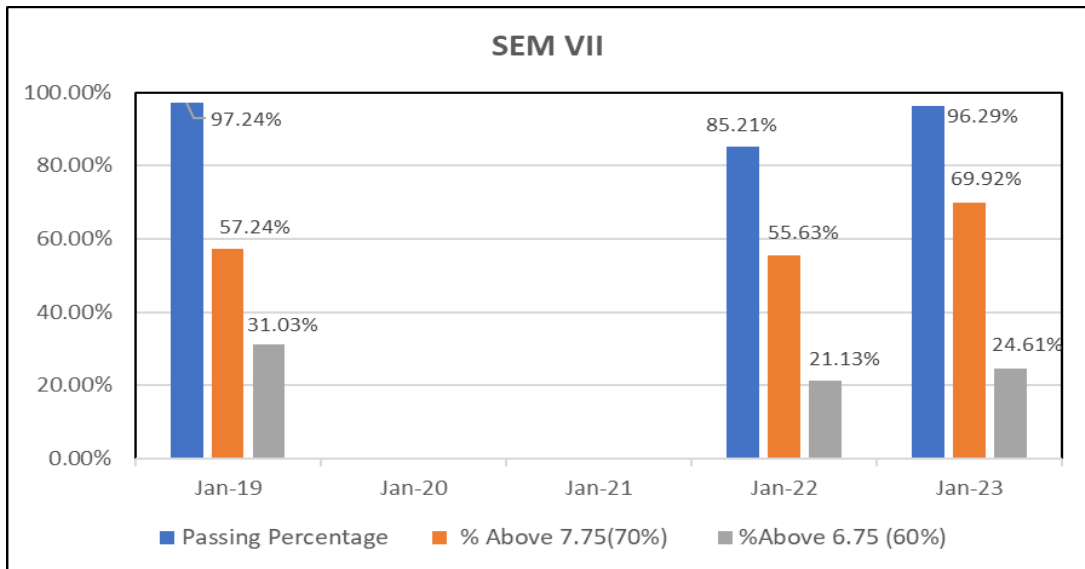
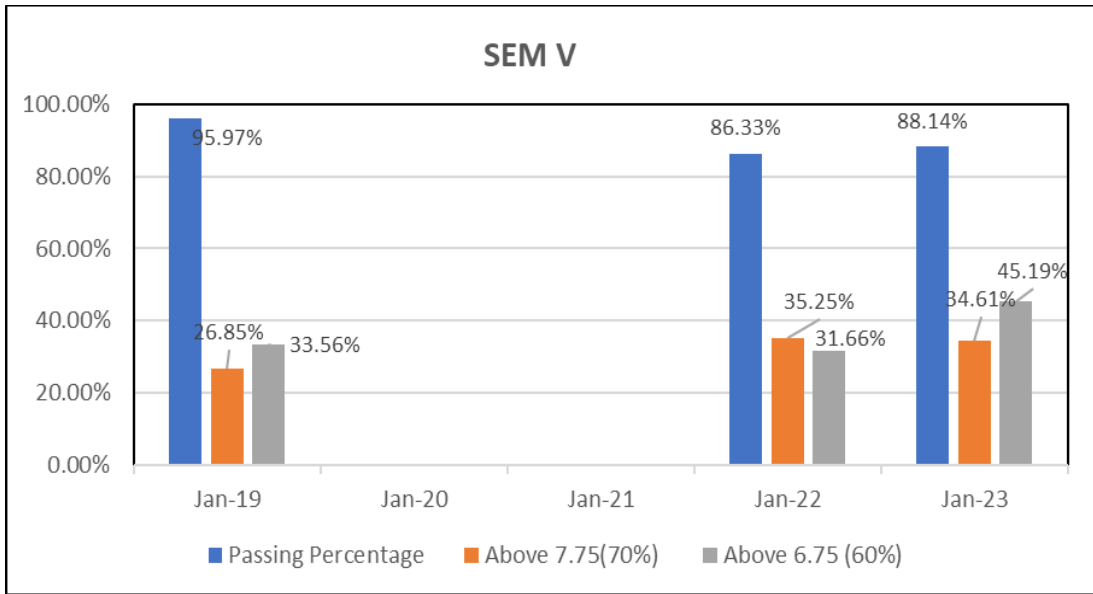




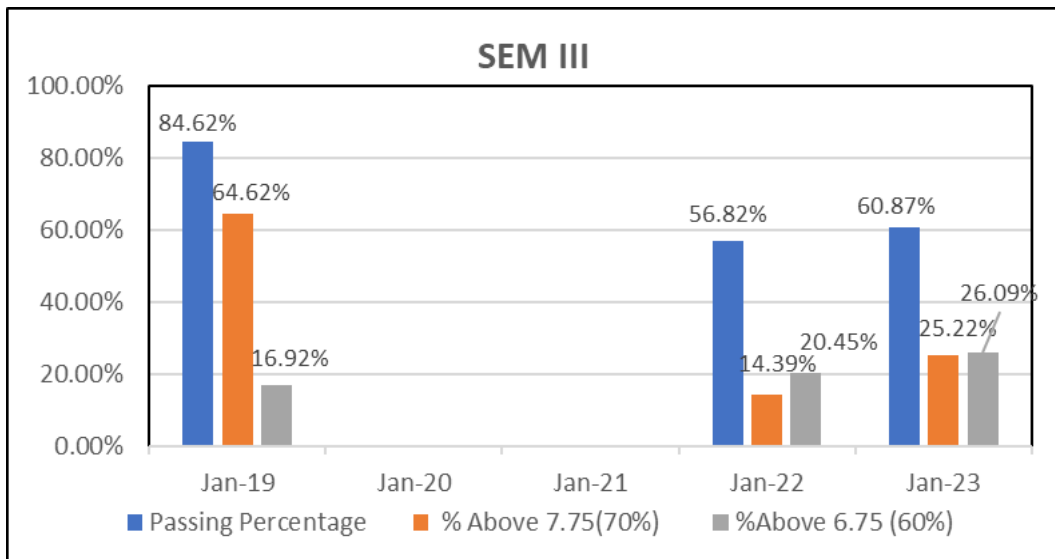
Dr. Merchant checked with the CMPN HOD for the highest CGPI which was 10. He suggested that after stability in autonomy, changes should be made with regards to scheme of examination and type of paper setting to score 10 CGPI.

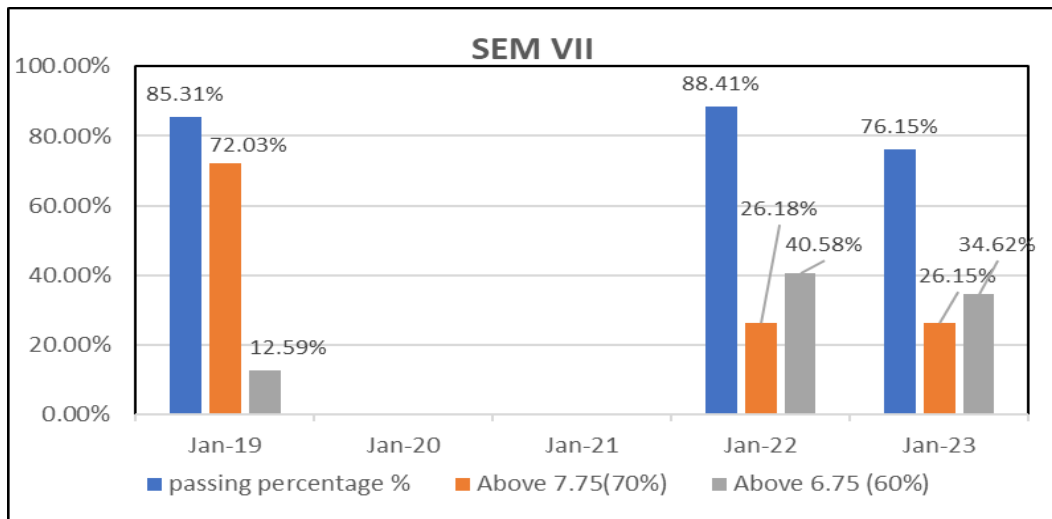
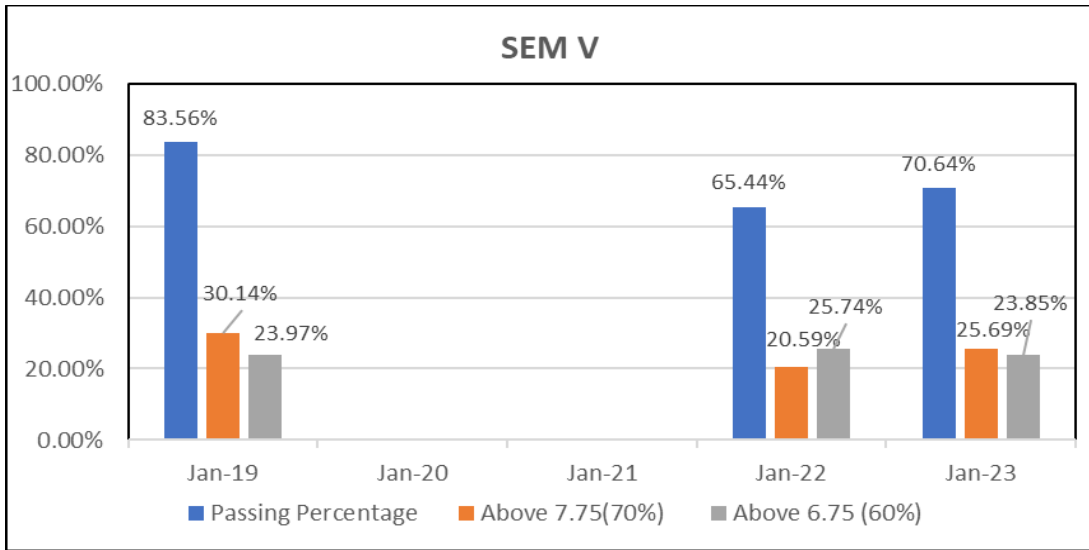
INFT Department





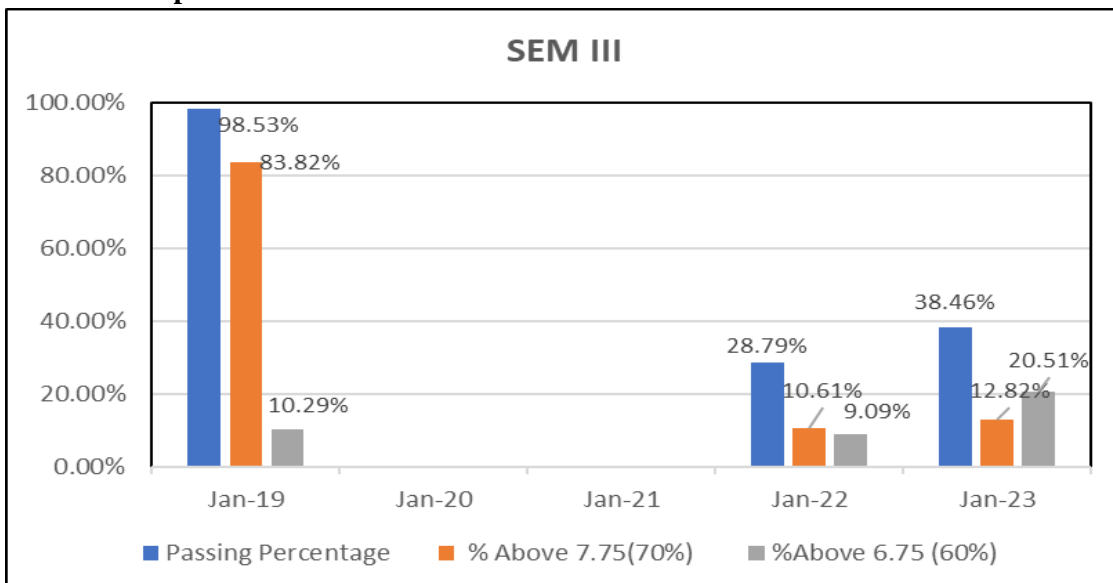
EXTC Department

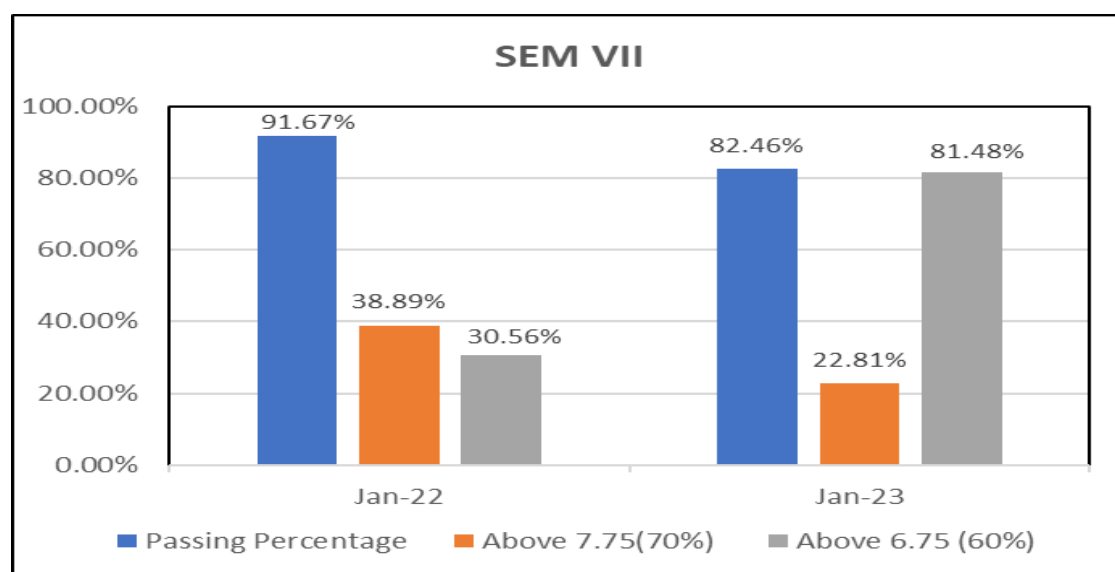
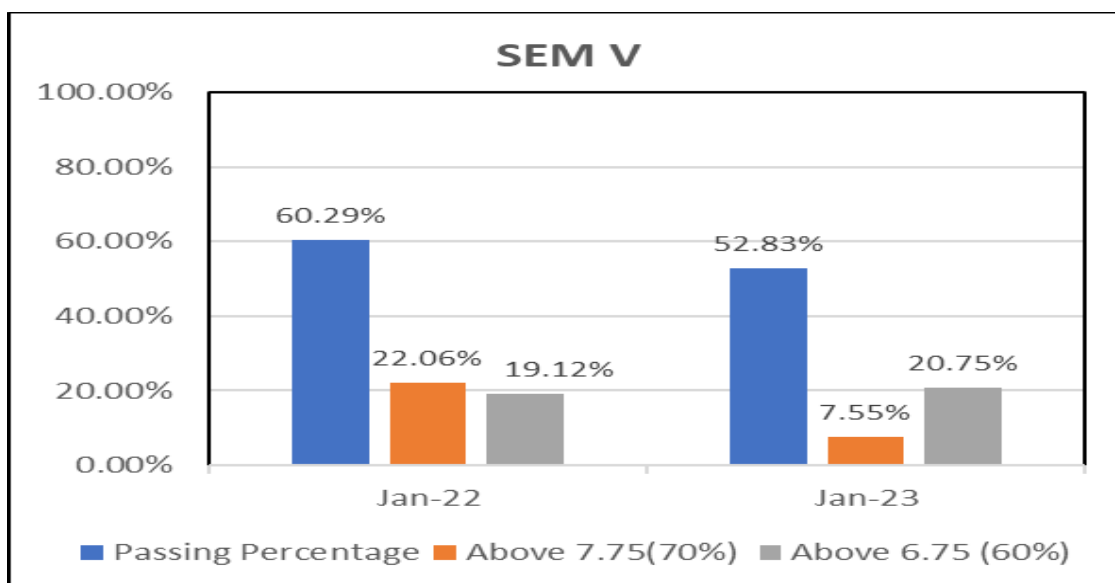




Dr. Merchant suggested that difficult subjects need to be identified and remedial to be taken accordingly.

Mechanical Department





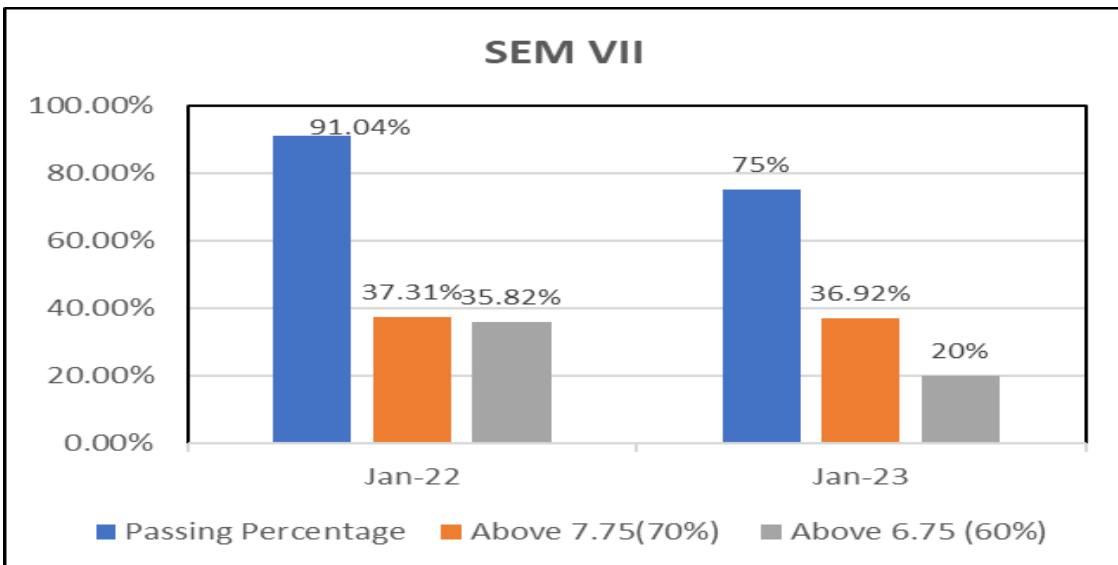
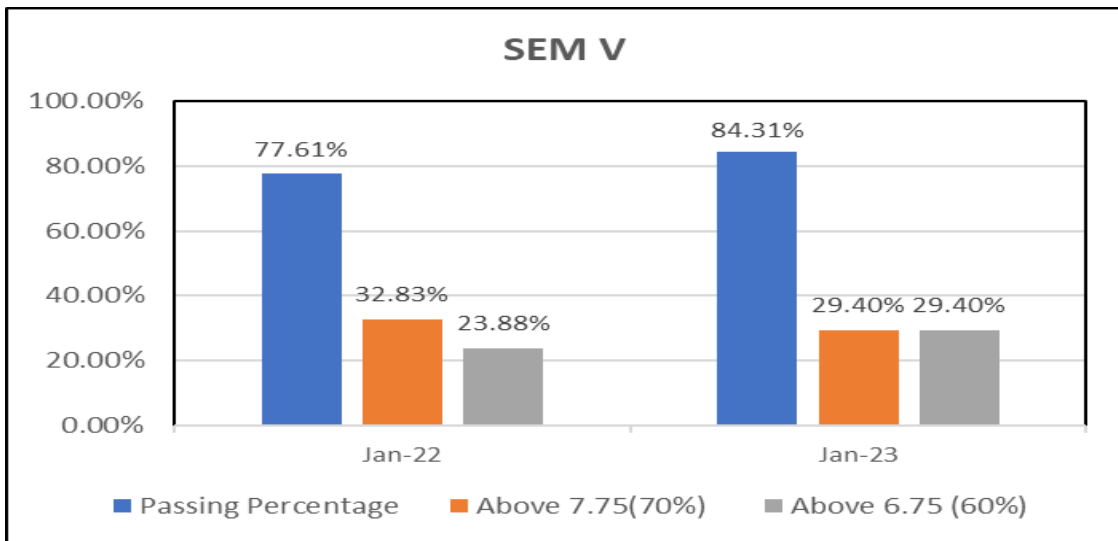
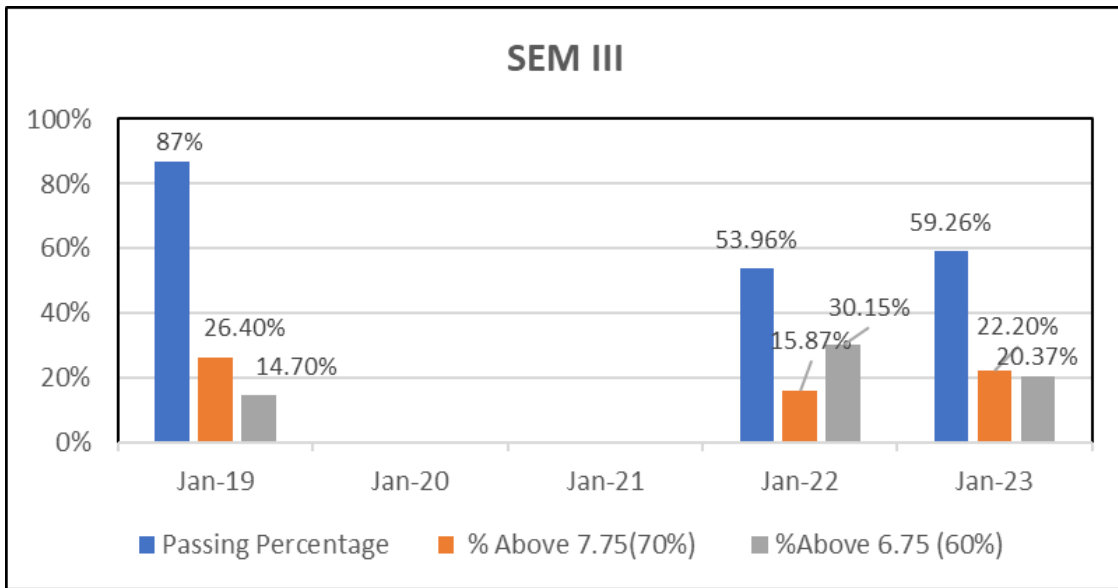
Mr. Sunil Pansare, HOD explained that reduction in results is due to -

1. Admitted students in the Mechanical department are of low CET marks and hence find numerical subjects difficult.
2. The direct second year students also find the numerical subjects difficult because of their lack of mathematical knowledge.

Dr. Merchant suggested that pre-requisite training should be provided to the DSE students to improve their subject knowledge. He further said that they have good practical knowledge but lacks in theory. DSE students should also be given math's course as a pre-requisite course irrespective of the branch. Autonomy syllabus should be designed in such a way that student involvement should be maximum.

Mr. Lester mentioned that the quality of analytical thinking of the recent pass out students is low. A refresher skill course should be conducted at the end of the semester to make them industry ready.

ELEC Department



Ms. Megha fernandes, HOD ELEC told the members that they have introduced tutorials for semester III which will help in improving results.

Item 3: Placement records of AY 2023-24 (till date)

Mr. Wilson Pinto gave the members an overview of the placements.

Placement Analysis

S. No.	Items	2021-22	2022-23	2023-24
1	Batch Size	545	568	521
2	No. of students registered profile in T & P	516	518	409
3	No. of students eligible for campus placement based >6.25 as per industry norms	515	512	409
4	Higher study registrations	95	151	48
5	No. of offers	746	471	231
6	No. of students placed	379	314	199

Department wise eligible (Above 6.25 CGPA)/ Placed

DEPT	2021-22			2022-23			2023-24		
	Eligible/ Total	Offers	Students placed	Eligible/ Total	Offers	Students placed	Eligible/ Total	Offers	Students placed
CMPN	132	241	105	135	152	90	115	68	60
INFT	125	202	93	123	147	92	113	51	44
EXTC	132	197	105	118	97	69	102	29	26
ELEC	69	59	48	54	42	37	47	47	41
MECH	65	40	28	58	35	26	32	36	28
Total	523	739	379	488	471	314	409	231	199

Placement Salary Package Analysis

	2021-22	2022-23	2023-24
Highest Package in Lakhs per annum	20	13	10.2
Lowest Package in Lakhs per annum	3.0	3.0	2.69
Avg. Package in Lakhs per annum	4.5	4.91	4.479
Package: 4 to 5 LPA	199	125	50
Package > 5 LPA	191	180	68

Mr. Wilson said that the placement for the current year is less compared to previous years due to less number of companies coming for campus.

Mr. Lester pointed out the alarming decrease in the percentage of placement. He further told that even though the overall economy is down measures to be taken to improve the placement. More and more companies should be approached.

Mr. Wilson Pinto said that usually placements continue 6 to 7 months, even after completion of the degree. Measures such as training for unplaced students will be arranged so that they are placed.

Dr. Merchant said that deeper analysis needs to be done with regards to less placement. Feedback from the companies should be taken to improve the quality of our students which in turn will improve the placements. He also told to work and improve the skills of the students.

Mr. Lester said that the package is in line with the industry trends. TPO should keep tracking the trend for next 03 to 04 years for improvement.

Item 4: Internship Statistics of A.Y. 2023-24

Dr. Kevin briefed the members on the internship statistics for the A.Y. 2023 – 24.

▪ Active MOUs

S. No.	Name of Organization	Details	Date	Duration
1	Airport Authority of India	MoU with SFIT	07/06/2024	5 years
2	Testriq QA Lab LLP	MoU with SFIT	01/04/2024	3 years
3	SourceIN Consulting Services LLP	MoU with SFIT	13/10/2023	1 year
4	AGV Systems Private Ltd	MoU with EXTC Dept	01/10/2023	3 years
5	Merklebits Private Limited	MoU with CMPN Dept	01/07/2023	3 years
6	Bluestar Ltd.	MoU with SFIT	20/01/2023	3 years
7	Cere Labs	MoU with INFT Dept	07/07/2022	3 years
8	Future Wave Technologies Pvt. Ltd.	MoU with SFIT	24/07/2021	NA
9	Technology Research and Innovation Centre	MoU with MECH Dept.	Dec 2021 to Dec 2024	3 years
10	Cloud Councelage Pvt Ltd.	MoU with Institute	28/11/2019	NA

▪ **Internship Statistics**

Department	Name of company	No. of Students
INFT	Essen Vision Software, Muskurahat Foundation, Rothian, Prodigy Infotech, CODSOFT, AcmeGrade Technohacks, Forage, PiSence, Center For Cyber Security and studies and research, EvaluAItoR, CakeLaya	19
CMPN	HDFC Securities Ltd., IBM Skillsbuild, CSRBOX, IBM SKILLSBUILD, JNB Sports, Mulesoft, Bizdateup Technologies Pvt. Ltd., Bharat Intern, Alhansat solutions, Cloud Counselage, IEEE Bombay Section TechnoHacks EduTech, CMOTS Internet Technologies, IEEE Fall Internship, Bharat Intern	17
EXTC	InTrainz, Bharat Intern Cyber Crime Cell MBVV, CodeClause, Hybrid & Electric Vehicles, Android Developer Internship, MSI Shipping Services India Pvt. Ltd, Tata Steel CRCW	8
MECH	Sai Hyundai Borivali. Sigma Packaging, Central Railways	12
ELEC	Maharashtra State Electricity Distribution Company Ltd, Kurla Carshed, Western and Central Railway	10
	Total	66*

* Students doing summer internship not included as they shall be submitting their certificates on reopening of the next semester on 15 July 2024.

Dr. Merchant said that there is no faculty involvement in the consultancy work, which should be there. He further told internships help students to grow.

Item 5: Research Statistics of AY 2023-24

Dr. Kevin then presented the research activities.

Research Publications in 2023-24

S. No.	Department	Journals & Books		Conferences	
		International	National	International	National
1	CMPN	07	---	10	---
2	EXTC	03	02	06	---
3	INFT	09	---	04	---
4	ELEC	---	---	01	---
5	MECH	01	---	04	---
	Total	20	02	25	

Patents in 2023-24

S. No.	Department	Patents	Copyright
1	CMPN	03	
2	INFT		01
3	EXTC	01	

Successfully Completed PhDs from SFIT Research Centre in 2023-24

S. No.	Name of Student	Name of the Guide
CMPN		
1	Dr. Kavita Kumavat [#]	Dr. Joanne Gomes
2	Dr. Dakshita Panchal ^{\$}	Dr. Deepak Jayswal
3	Dr. Vandana Patil ^{\$}	Dr. Deepak Jayswal
4	Dr. Bidisha Roy ^{\$}	Dr. A.K. Sen
EXTC		
1	Dr. Shital Mali [#]	Dr. Uday Pandit Khot

\$ From SFIT

From other institute

Department Research Activity - ONGOING

S. No.	Department	Name of PI	Title of Project
1	CMPN	Dr. Vaishali Jadhav	Automation of Exam Result Generation
2	CMPN	Ms. Ankita Karia Ms. Priya K	Stock Management System
3	EXTC	Ms. Snehal Lopes	Demo Kits for Optical Communication Lab
4	ELEC	Ms. Josna Jose Ms. Varsha T	Design and Implementation of DC To DC Buck Converter Using LAUNCHXL-F28379D Launchpad.
5	ELEC	Dr. Sincy George	Implementation of DSP Based Voltage Source Inverter (VSI) by using Sinusoidal Pulse Width Modulation Technique.
6	MECH	Mr. Bysani M	Nano PCM Based Solar Water Heater
7	MECH	Mr. Yunus Dalal	Multi-utility Heat Pump
8	CMPN	Mr. Johnson Pen	Online Certificate Generation
9	CMPN	Mr. Johnson Pen	CO Mapping Project
10	CMPN	Ms. K. Priya	Load Adjustment Application
11	EXTC	Dr. Vaqar Ansari	Gesture-Controlled Locomotive Manipulator: Trainer Kit for Robotics Laboratory
12	INFT	Dr. Prachi Raut	Attendance Automation and Real Time

			Notification System
13	INFT	Ms. Priyanka Patil	Lost and Found Items for LIRC
14	ELEC	Dr. Sincy George	PWM Rectifier for EV Application
15	MECH	Mr. Sanjay Ghaskatta	Pneumatic/Electropneumatic Trainer Kit

Dr. Merchant checked with members with the quality of papers published. Dr. Kevin replied that the journals are UGC approved, and Scopus indexed.

Mr. Lester suggested that the number of students involved in the paper published should be mentioned in the table or can be given separately.

Item 6: Achievements of A.Y. 2023-24

Faculty Development Programs Conducted

- Faculty Induction Program from 03-07 July 2023.
- FDP on “Information Security Management - A Practical Approach” sponsored by AICTE Training and Learning (ATAL) Academy conducted by Department of Computer Engineering from 4-9 Dec 2024.
- FDP on “Cultivating the Future of Healthcare with Generative AI” approved by ISTE conducted by Department of Information Technology from 11-15 Dec 2024.
- STTP on "Electrical Engineering Solutions for Smart Cities: Integration, Innovation, and Impact"- 24-29 Jun 2024.
- ISTE-approved one-week online Short-Term Training Program (STTP) on "Condition-based Monitoring: Leveraging Technology for Smarter Industrial Maintenance." from 24-28 Jun 2024.
- IEEE-BS sponsored collaborative hybrid capacity building program on "Becoming IOE Ready: Recent Trends in Sensing, Security and Data Analysis” from 24-29 Jun 2024.

Faculty Achievements

- Dr. Vaqar Ansari was the resource person for training on MATLAB Simulink for Communication systems at the Software development Institute at the Indian Air Force at Bangalore from 27/11/23 to 01/12/2023.
- Ms. Deepa Panakkal ranked among the Top 10% at Global level in the International Teachers' Olympiad October 2023 and was also recognized as the NPTEL Discipline Star in the discipline of Humanities by NPTEL and IIT Madras for the duration July –December 2023
- Ms. Mrinmoyee Mukherjee, Dr. Prachi Raut and Dr. Minal Lopes won Third prize at YOGDAAN: Innovative and Best Teaching Pedagogy Presentation Competition organized by IEEE-GRSS at the Thakur College of Engineering, Mumbai on 6th December 2023.
- Dr. Joanne Gomes conducted a session on “Ranking & accreditation, NEP perspective” at SIES COE Nerul.
- Dr. Kavita Sonawane invited as resource person for SMELT 4.2 in Jan 2024, Program by IEEE BS at CSMSS CSMCOE- Aurangabad.
- Dr. Kavita Sonawane, invited as a Speaker for Technical Talk delivered on 28th Feb 2024, at Sanjivani College of engineering Kopargaon, SPPU, University of Pune.

Student Activities

- Ignitra – Sports fest was held in third week of Jan 2024
- IRIS – Cultural fest took place on 24-25 Jan 2024
- Annual Day held on 27 Jan 2024
- Prakalp 2024 (Intercollegiate Project Competition) of CMPN, 02 Apr 2024

- Genesys 2023 of EXTC, 21 Oct 2023
- 30 Hr-Value Added Course on "Industry Academia Cross Training Master Class Program" by CMPN from 03-07 July 2023
- IT Colloquium by INFT, 22-23 Mar 2024
- Project Poster Competition by MECH, 30 Oct 2023
- HVACR Training – Basic and Advanced Level conducted by BlueStar Ltd. in Jun 2024
- Electrical Symposium 2024 by ELEC, 27 Mar 2024
- Workshop on “Application of Mathematics in Electrical Engineering” by ELEC, 03-07 July 2023
- **Student Activities**
 - **Industrial Visits**
 - CMPN - Tata Communication Payments Solution Ltd., Kurla on 13-14 Sept 2023
 - INFT - Industrial Visit – Disaster Management Facility MCGM, Parel, 05 Mar 2024
 - INFT- Juhu Airport, 11-12 Mar 2024
- **Student Achievements**
 - SFIT team - Troubleshooter.io comprising students from INFT and CMPN won prize of 1 Lakh Rupees for Smart India Hackathon 2023 on 19-20 Dec 2023.
 - The student team won third prize in SAE Aerothon for Southern Section held on 19 July 2023.
 - The student team from INFT won a cash prize of INR 1 Lakh at the Maharashtra State Students Innovation Challenge.
 - SE CMPN student won gold medal at JKAI 40th State level Karate Tournament on 17th Dec 2023
 - Team Tejas ranked 12 overall in the AEROTHON 2023 Drone Design Competition, held at Bangalore, 17th and 18th November 2023
 - 5 students from EXTC completed a 2-week student development program in collaboration with Wadhvani Electronics Lab of IIT Bombay at VCET, Vasai on “Digital System Design and Verification using CPLD” from 02/01/2024 to 12/01/2024.
 - BE project group from ELEC has submitted their idea. “Blockchain Implementation on Tomato Sorting System for Increasing Supply Chain Efficiency” to “Tomato Grand Challenge” organized by Government of India, Ministry of Consumer Affairs, Food & Public Distribution. Cleared Third stage.
 - INFT students won first rank at Maharashtra Innovation Challenge by Maharashtra Innovation Society
 - INFT students won first rank at Hackathon conducted by Neebal Technologies
 - INFT students won first rank in Rocket League Zephyr 23 organised by Thakur College of Engineering and Technology
 - INFT students won third rank in Go Kart Design Challenge organised by KPR Institute of Engineering and Technology
 - INFT students won first rank at PROJECTATHON 2.0 organised by Atharva College of Engineering
 - INFT students won first rank in E-yantra at IIT Bombay
 - INFT students won second rank at Phoenix 2.0: The Ultimate Start-up Fest at Atharva College of Engineering
 - MECH students won Best Paper Award at Engineering Advances: First International Conference held at Pravara Rural Engineering College, Loni, Ahmednagar
 - ELEC students won first prize at Ideathon: Climate Change and Strategies for a Sustainable Future, IEEE WIE Affinity Group Bombay Section and IEEE Student Branch of Ramrao Adik Institute of Technology

- ELEC students won third prize in Jana Kalyan Hackathon held at Thakur College of Engineering and Technology
- ELEC students won first and third prize at Intercollegiate Technical Idea and Project Presentation competition at Rizvi College of Engineering
- ELEC students won first prize in Technovation Project Competition conducted by Viva Institute of Technology

Item 7: Status of AICTE PARAKH

AICTE PARAKH portal is launched for the evaluation of students and faculty members. Students will be allotted the subject based on their current year of study. Faculty can take up the self-assessment subjects. Dr. Merchant said that a report on the activities of PARAKH should be presented in the next IQAC meeting.

Item 8: ERP update report

Dr. Kevin told the members about the update of the ERP. Principal Dr. Sincy George informed the members that we have implemented Criterion 3, 5 and 6 in ERP. Data can be downloaded from ERP for the preparation of AQAR.

Item 9: Autonomy status

College has got autonomy status for the period of 10 years. Members congratulated Dr. Joanne Gomes Coordinator and team members for their efforts. Curriculum for first year is designed. 2nd year, 3rd year and final year will be following the University of Mumbai syllabus, and the exam policy will be designed by the institute. The principal told the members that in autonomy there will be flexibility, multiple entry and exit. Curriculum will be designed according to the skill needed for industry. Dr. Merchant told the members to identify proper core courses as any programming course cannot be called a core course. Mr. Lester said that we can have Statistical Analytical Data as core course

Item 10: Status of AQAR AY 2023-24

Dr. Kevin told the members that the report preparation is in progress. Once the report is prepared, it will be placed in the IQAC meeting.

Item 11: IQAC plan of action for the Academic Year 2023-24

Functions of IQAC	Plan of action	Status
1. Development and application of quality benchmarks.	Verification of Dashboard software for benchmark of (i) Result (ii) Placement (iii) Faculty (iv) R&D	Completed
2. Setting parameters for various academic and administrative activities of the institution.	<ul style="list-style-type: none"> • Academic parameters are implemented through ISO • Manual for academic activities • Apply for Autonomy 	<ul style="list-style-type: none"> • On track – ISO MRM was held on 15 May 2024 • Manual shall be updated according to guidelines of NEP 2020 • Autonomy granted for 10 years • BOS meeting scheduled in

		<p>next week.</p> <ul style="list-style-type: none"> AC meeting scheduled in third week of July 2024
<p>3. Facilitating the creation of a learner-centric environment conducive to quality education and faculty development to adopt the required knowledge and technology for participatory teaching and learning process</p>	<ul style="list-style-type: none"> Teachers training for quality question paper making and its evaluation by IIT Training for teachers to impart skill-based teaching by IIT Training and upskilling students to make them industry ready 	<ul style="list-style-type: none"> This is a part of FDP to be conducted as a lecture series on Implementation of NEP 2020 First lecture on “Effective Curriculum design- A perspective from NEP 2020” was held on 05 July 2024 No. of FDP certifications by Faculty – 161 NPTEL certifications – 44 Faculty Internships – 66* NPTEL certifications – 34 students Students registered on PARAKH - AICTE Student Learning Assessment Project
<p>4. Dissemination of information on various quality parameters to all the stakeholders</p>	<p>ERP accessible to parents</p>	<p>Completed</p>
<p>5. Organization of intra- and inter-institutional workshops and seminars on quality-related themes and promotion of quality circle</p>	<p>One Intra collegiate poster presentation competition quality- related themes and promotion of quality circle. circles</p>	<p>Completed</p>
<p>6. Documentation of various programs/activities leading to quality improvement</p>	<p>ERP automatic generation of data for criteria 5</p>	<p>Completed</p>
<p>7. Acting as a nodal agency of the institution for coordinating quality-related activities, including adoption and dissemination of the best practices</p>	<p>Planning benchmark for best practices</p>	<ul style="list-style-type: none"> UHV is one of our best practices. Appropriate no. of credits for included in the new curriculum NSS has increased its members from 100 to 120. The Social responsibility cell (SRC) has 139 members. NSS and SRC included as a course in new curriculum
<p>8. Periodical conduct of Academic and Administrative Audits along with their follow-up activities</p>	<ul style="list-style-type: none"> ISO Audits Quality of question paper audit 	<ul style="list-style-type: none"> ISO External periodical Audit DNV on 15/05/2024. Will be taken as a part of FDP on “Implementation of NEP

		2020”
9. Preparation and submission of the Annual Quality Assurance Report (AQAR) as per the guidelines and parameters of NAAC.		AQAR for 2022-23 submitted on 23 Dec 2023. Preparation of AQAR for 2023-24 in progress.

Item 11. Any other matter

Dr. Gautam Shah informed the members that for the autonomy process we need to collect the IQAC review from external members. In view of this, he requested the external members to submit a report on last year’s activities and suggestions for the upcoming academic year.

The meeting concluded with a vote of thanks from Dr. Kevin Noronha.

Dr. Kevin Noronha
Member - Secretary