6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Response

Indore Institute of Science and Technology, Indore (IIST), demonstrates a strong commitment to academic excellence by periodically reviewing its teaching-learning processes, structures, methodologies, and learning outcomes. This is achieved through the active involvement of the Internal Quality Assurance Cell (IQAC), which operates in alignment with prescribed norms.

Key aspects of this approach include:

1. **Structured Reviews**: The institution conducts systematic and periodic evaluations to ensure that teaching-learning methodologies remain effective and aligned with academic and industry standards.
2. **Data-Driven Improvements**: Feedback and observations gathered during reviews are analyzed to identify areas requiring enhancement, leading to actionable strategies for improvement.
3. **Incremental Progress**: The IQAC ensures that all modifications and interventions are well-documented, reflecting tangible improvements in various academic and administrative activities over time.
4. **Stakeholder Engagement**: The process often includes inputs from faculty, students, and other stakeholders to foster a culture of inclusivity and shared responsibility.
5. **Outcome-Oriented Focus**: Emphasis is placed on achieving better learning outcomes, thus ensuring that students are equipped with relevant skills and knowledge.

This commitment to continuous improvement underpins Indore Institute of Science and Technology, Indore's pursuit of academic excellence and quality enhancement.

For IIST/ IIP/ IIMR

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Chief Administrative Officer

IQAC

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Principal
Indore Institute of Science
and Technology, Indore

Saturday, December 21, 2024

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Chief Administrative Officer

For IIST/ IIP/ IIMR
Admin

Chief Administrative Officer

IQAC

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Indore Institute of Science
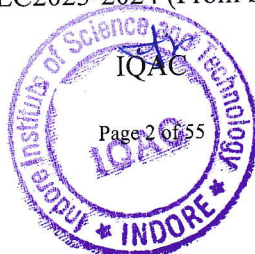and Technology, Indore

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Indore Institute of
Science & Technology

Indore Institute of
Science & Technology

Approved by AICTE, New Delhi, Affiliated to RGPV, Bhopal, Recognized by UGC under Section 2(f)

2023-2024

1. Executive Summary on the incremental improvement through IQAC

Indore Institute of Science and Technology, Indore, demonstrates a strong commitment to academic excellence by periodically reviewing its teaching-learning processes, structures, methodologies, and learning outcomes. This is achieved through the active involvement of the Internal Quality Assurance Cell (IQAC), which operates in alignment with prescribed norms.

Key Aspects and Case Studies:

A. Structured Reviews

The institution conducts systematic and periodic evaluations to ensure that teaching-learning methodologies remain effective and aligned with academic and industry standards.

Case Study:
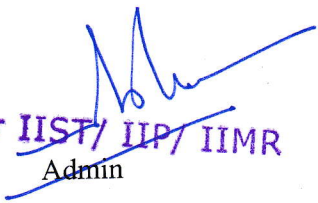
The IQAC observed that students in the Mechanical Engineering program faced challenges in understanding advanced design concepts. In response, the department introduced software training on CAD tools as part of the curriculum. This change led to significant improvements in project outcomes and industry internships.

B. Data-Driven Improvements

Feedback and observations gathered during reviews are analyzed to identify areas requiring enhancement, leading to actionable strategies for improvement.

Case Study:

Based on alumni feedback, the Computer Science department identified a need to strengthen knowledge in cloud computing. As a result, a certificate course in collaboration with AWS Academy was launched. Within a year, placement rates for cloud-related roles increased.

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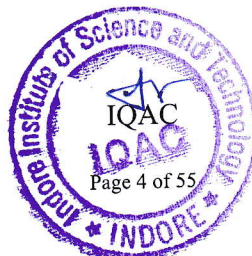
Chief Administrative Officer

IQAC

Principal

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Indore Institute of Science
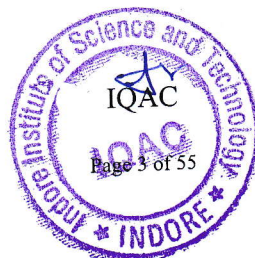and Technology, Indore

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C. Incremental Progress

The IQAC ensures that all modifications and interventions are well-documented, reflecting tangible improvements in various academic and administrative activities over time.

Case Study:

The Civil Engineering department implemented peer-teaching sessions after identifying disparities in foundational knowledge among students. Over two semesters, student performance in foundational subjects improved as reflected in university results.

D. Stakeholder Engagement

The process often includes inputs from faculty, students, and other stakeholders to foster a culture of inclusivity and shared responsibility.

Case Study:

The IQAC organized a brainstorming session with industry partners to revise the Electronics and Communication Engineering curriculum. This led to the inclusion of IoT and robotics modules, aligning the program with industry needs.
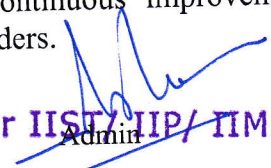
E. Outcome-Oriented Focus
Emphasis is placed on achieving better learning outcomes, thus ensuring that students are equipped with relevant skills and knowledge.

Case Study:

To improve the employability of B.Tech graduates, a comprehensive skill enhancement program on business analytics and communication skills was introduced. The initiative resulted in increase in placement offers within the first two years.

These case studies highlight how the IQAC at Indore Institute of Science and Technology, Indore, drives continuous improvement and ensures academic and professional excellence for its stakeholders.

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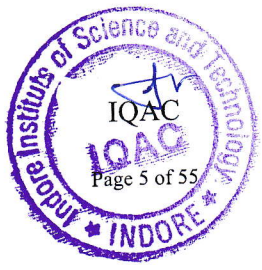
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2. Actions with Achievements cum Outcomes | 2023-24

Plan of Action	Achievements/Outcomes
Strengthen Industry Engagement	At **Indore Institute of Science and Technology (IIST)**, we have strengthened industry engagement through increased collaborations, including **workshops, guest lectures**, and strategic **MoUs** with leading organizations. These initiatives provide students with valuable opportunities for internships, live projects, and exposure to real-world industry practices, enhancing their employability and industry readiness.
Organize industry-related events like Internship, Hackathons etc	**IIST** actively organizes industry-related events such as **internship drives, hackathons,** and **technical challenges**, providing students with hands-on experience and opportunities to showcase their skills. These initiatives have led to more students securing **valuable internships** and **placements**, while hackathons foster innovation and teamwork, enhancing problem-solving abilities and increasing industry visibility.
Review & update SIG syllabus based on industry needs	At **IIST**, the **Skills Improvement Groups (SIG)** syllabus is regularly reviewed and updated to ensure alignment with **current industry trends** and **emerging technologies**. By incorporating real-world industry requirements, the SIG content equips students with **relevant skills** that enhance their employability and ensure they are prepared for the dynamic demands of the job market.
Enhance Teaching-Learning Processes - Promote active learning methodologies	To foster **improved student engagement** and **better learning outcomes**, IIST promotes **active learning methodologies**, such as **project-based learning, peer collaboration**, and **problem-solving sessions**. Faculty members adopt **innovative teaching methods**, integrating **technology** and **interactive tools** to create a dynamic learning environment that encourages critical thinking, creativity, and hands-on application of knowledge.
Organize faculty development programs	**IIST** regularly organizes **Faculty Development Programs (FDPs)** to enhance the **effective utilization of technology** in teaching. These programs focus on equipping faculty with the latest **digital tools, teaching strategies**, and **innovative pedagogical approaches**, ensuring they are well-prepared to deliver high-quality, tech-enabled education that fosters student engagement and learning success.
Review & improve student support services	**IIST** continually reviews and enhances its **student support services** to boost **employability** through comprehensive **soft skills development**. By offering personalized counseling, **communication workshops**, and **leadership training**, the institute ensures students are well-equipped with essential skills such as **teamwork, problem-solving**, and **professional etiquette**, thereby increasing their readiness for the competitive job market.
Organize workshops on soft skills,	**IIST** organizes specialized workshops on **soft skills, communication,** and **leadership** to enhance students' personal and professional development. These workshops have led to **increased student participation in co-curricular**

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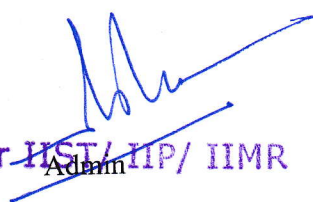
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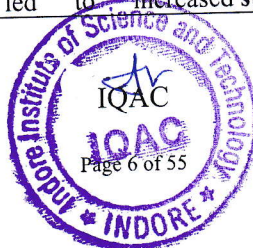Indore Institute of Science and Technology, Indore

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communication, leadership	**activities** and **research initiatives**, fostering a culture of holistic growth, collaboration, and innovation.
Continuous Improvement of Infrastructure & Resources	**IIST** is committed to the continuous enhancement of its infrastructure, including the **modernization of laboratories** with **state-of-the-art equipment** and **cutting-edge technology**. This ensures that students and faculty have access to the latest tools and resources, fostering an environment conducive to advanced learning, research, and innovation.
Enhance library resources (e-journals, databases)	**IIST** has significantly expanded its **library resources**, including access to **e-journals**, **databases**, and **digital archives**, to provide better **research support**. These enhanced resources enable students and faculty to stay updated with the latest academic research, fostering a culture of innovation and academic excellence.
Develop feedback mechanisms from students, faculty, alumni	**IIST** has implemented robust feedback mechanisms from **students, faculty, and alumni** to enable **data-driven decision-making** for continuous **quality enhancement**. By systematically gathering insights from all stakeholders, the institute ensures that its initiatives are aligned with evolving needs and fosters an environment of constant improvement.

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3. IQAC Formulation

Indore Institute of Science & Technology

IIST/Aug.-23/02

Date: 22.08.2023

IQAC Formulation

Notification of composition for the formation of IQAC

This is to hereby inform all of you that, a new IQAC committee for the period of two years from 2023-24 to 2024-25 is form as per the latest UGC guidelines.

Internal Quality Assurance Cell of IIST:
1. Shri Arun S. Bhatnagar (Management representative)
2. Dr. Keshav Patidar (Chair Person)
3. Dr. Richa Gupta (Coordinator)
4. Mr. Ankit Jain
5. Dr. Niraj Soni
6. Dr. Sathish K. Penchala
7. Dr. Margi V Chhabra
8. Dr. Shweta Agrawal
9. Ms. Reetu Gupta
10. Mr. Lokesh Aurangabadkar
11. Dr. Parimeeta Chanchani
12. Dr. Namrata Kaushal
13. Mr. Pankaj Malviya
14. Dr. Puneet Duggal (Admin Office)
15. Mr. Shantanu Roy
16. Mr. Rajesh Bhandari
17. Mr. Sourabh Shriwas
18. Mr. Nishant Bansal
19. Dr. Rupesh Shukla (external expert member)
20. Mr. Sachin Dhanotiya (Director and Cofounder of AiTrillion) (Industry representative)
21. Ms. Dimple Sukhija (Alumni representative)
22. Mr. Vansh Dubey (Student Representative)
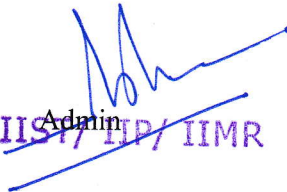
IQAC Coordinator
IIST, Indore

Dr. Keshav Patidar
Principal, IIST, Indore

C.C.to:-
1. All faculty and staff
2. Dean/HOD
3. IQAC.
4. Registrar office
5. DG Office
6. Office Record

Opp. IIM(Indore), Rau-Pithampur Road, Rau, Indore (MP) - 453331

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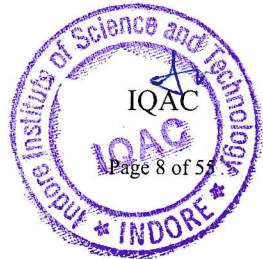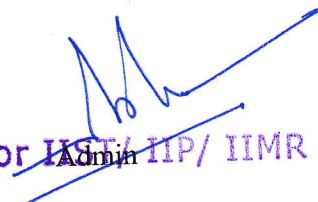
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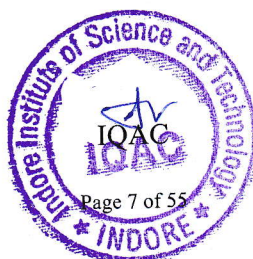
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4. Minutes of Meeting with Action Taken Report

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Minutes of Meeting

19/01/2024

Agenda:
1. Review of last semesters feedback & planning
2. New semester's strategies and best Practices.
3. Discussion on increase in seats in different B.Tech & M.Tech Programs

* The meeting began with a review of the minutes from the 6th meeting. Attendees confirmed their agreement with the minutes, and no objections were raised. The minutes were considered approved.

* A comprehensive review of last semester's feedback was conducted. feedback, successes, and areas for improvement were discussed for future reference.

* It was discussed that live student attendance on ERP will be mandatory.

* Discussion ensued on the creation of a dedicated lab with a capacity for 80 students for handson workshops and training.

* The academic and activity calendar for each department was reviewed.

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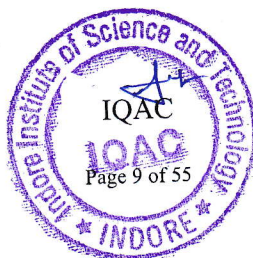
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Adjustments, if any, were discussed, and decisions were made to ensure alignment with overall institute goals.
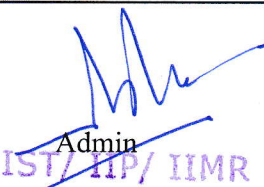
* The proposal to inform Parents about their ward's attendance and academic status every 15 days was discussed. communication methods, content, and frequency were considered in the decision-making process.

* A brief overview of planned activities by the IIC for Quarter 1 (IIC 6.0) was presented. Initiatives, events, and collaborations were discussed, and support from relevant departments was addressed.

* The institute's incremental progress for quality measures was thoroughly reviewed. Key metrics, improvements, and areas for enhancement were discussed, action items were assigned to address any identified gaps.

* The members suggested the increase in intake of following B.Tech. programs:
  • B.Tech: Computer Science & Engineering: 120 seats.
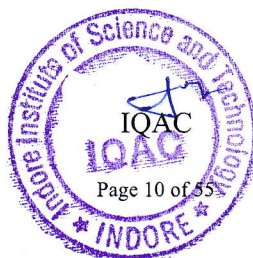
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* As per the availability of infrastructure and demand forecasting the members suggested that following new programs can be introduced:

- B.Tech. Electronics & computer science (60 seats).

- B.Tech. Civil Engineering with computer Applications (30 seats).

- B.Tech Robotics and Artificial Intelligence (30 seats).

* Members also suggested a change in specialization in M.Tech. Program

* Closure of B.Tech. chemical engineering and B.Tech. IOT is also being discussed.

1) Dr. Keshav Patidar

2) Dr. Shweta Agrawal

3) Dr. Richa Gupta

For IISM/ IIP/ IIMR
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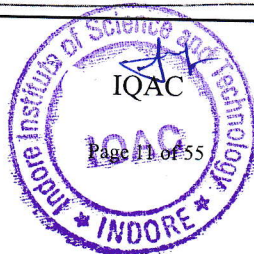
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4) Dr. Satish kumar Perchala —

5) Dr. Rajesh Bhandari

6) Dr. Sourabh Sharma

7) Mr. Gajendra dubey

8) Farhin khan

9) Ankit Jain

10) Dheerendra

11) Dr. Ankit Saxena

12) Dr. Namrata Kaushal

For IISTP/ IIMR

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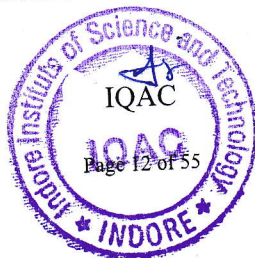
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Indore Institute of Science and Technology, Indore

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5. Sample Load Chart

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty Load Distribution [Jun-June 2024]

S.No	Faculty Name	Semester	Section	Subject	TH	PR	TOT TH	TOT PR	Other SIG/Etc.	G. Tot
1	Dr. Richa Gupta	VI	CS-2	Machine Learning	3	4	7	4	Head of (CSE), Member of Anti-Ragging & Disciplinary Committee	11
		M.Tech II	CSE	Soft Computing	4	0				
2	Dr. Dheeraj Rane	VIII	CS-2	IoT	3	4	3	8	R & D Coordinator	11
		VIII	CS-2	Major Project	0	4				
3	Mr.Puneet Duggal	M.Tech II	CSE	ITC	4	0	4	4	Dean CSE, IT and AIML	8
		M.Tech II	CSE	MCSE 206 LAB	0	4				
4	Ms.Khushboo Sawant	VI	CS-3	Compiler Design	4	0	4	8	Project Coordinator,Departmental Library Coordinator	12
		IV	CS-3	Software Engg.	0	4				
		VIII	CS-1	Major Project-II	0	4				
5	Mr.Ganesh Patidar	VI	CS-1	Compiler Design	4	0	8	4	Departmental Councellor, IoT Lab, AR-VR Lab, Social Media	12
		VI	CS-2	Compiler Design	4	0				
		VI	ME	RDBMS	0	4				
6	Mr. Ankush Saklecha	IV	CS-1	Operating System	3	0	11	0	SIG Coordinator	11
		VI	SIG	DSA	5	0				
		IV	CS-2	Operating System	3	0				
7	Ms. Poorva Shukla	IV	CS-2	Computer Organization & Arch.	4	4	8	4	Departmental Councellor, Course era,	12
		IV	CS-1	Computer Organization & Arch.	4					
8	Ms. Kavita Chandnani	IV	CS-1	Programming Practice	0	4	0	12	MST Coordinator (2nd year CS)	12
		IV	CS-2	Programming Practice	0	4				
		IV	IT	ADA	0	4				
9	Ms. Megha Birthare	IV	CS-1	Software Engg	3	4	6	4	Departmental MoM Coordinator, EOI Coordinator	10
		VI	CS-1	Project management	3	0				
10	Mr. Pritesh Saklecha	IV	CS-1,2,3	Analysis & Design of Algorithm	4	4	8	4	Palcement Coordinator (CS), Departmental Time table Coordinator	12
		IV	AIML,IT	Analysis & Design of Algorithm	4	0				
11	Mr. Pankaj Wadhwani	VI	SIG	Adavanced Java	4	0	8	4	SIG Coordinator	12
		VI	SIG	Java	4	0				
		IV	CS-3	Analysis & Design of Algorithm	0	4				
12	Mr.Vivek gupta	VI	CS-1	Skill Development Lab	0	4	3	8	EOI Coordinator (CS1, CS2), Fee Coordinator (Final year -CS1, CS2)	11
		VI	CS-3	Machine Learning	3	4				
13	Mr.Jitendra Kulaste	IV	CS-1	Operating System	0	4	0	12	Project Coordinator (Minor Coordinator-CS3), Fee Coordinator (Third year - CS1, CS2)	12
		IV	CS-2	Operating System	0	4				
		VI	CS-2	Data Analytics Lab	0	4				
14	Ms.Praveena Joshi	IV	CS-2	Software Engg.	3	4	6	4	MST Coordinator (3rd Year CS,), Activity Coordinator (CS)	10
		VI	CS-3	Project management	3	0				

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty Load Distribution (Jan-June 2024)

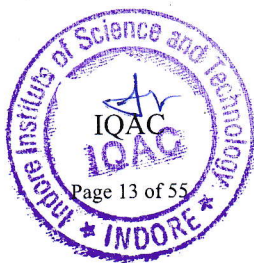| S.No	Faculty Name	Semester	Section	Subject	TH	PR	TOT TH	TOT PR	Other SIG/Etc.	G. Tot
15	Mr. Titu Singh Arora	II	BCE	Computer Programming	3	4	3	4	semester practical exam coordinator (CS,IT &AIML)	7
16	Ms. Lalita Bargadiya	VI	CS-2	Skill Development Lab	0	4	4	8	EOI Coordinator	12
		IV	CS-3	Computer Organization & Arch.	4	4				
17	Mr. Rakesh Verma	IV	CS-1	ADA Lab	0	4	0	10	Departmental Time table Coordinator (CS,IT, AIML,IOT), Fee Coordinator (IT)	10
		IV	CS-3	Programming Practices	0	4				
		IV	CS-3	Operating System	0	2				
18	Ms.Nisha Bhati	VI	CS-1	Machine Learning	3	4	3	8	Major Project Coordinator , Departmental Time table Coordinator (CS)	11
		IV	CS-1	Computer Organization & Arch.	0	4				
19	Mr.Jitendra Choudhary	VI	CS-1	Computer Network	3	4	6	8	ERP Coordinator	14
		IV	CS-3	Operating System	3	2				
		VI	CS-3	Skill Development Lab	0	2				
20	Ms.Ritika Hura	VI	CS-1	Data Analytics Lab	0	4	0	8	Counsellor	8
		VI	CS-3	Data Analytics Lab	0	4				
21	Ms.Reena Karandikar	VI	CS-2	Computer Network	3	4	3	4	Fee Coordinator	7
22	Dr. Shweta Kumari	VI	CS-2	Project Management	3	0	3	0	R & D Coordinator	3
23	Mr.Manish K jain	VI	CS-3	Computer Network	3	4	3	6	Event report coordinator ,	9
24	Ms.Swati Sharma	VIII	CS-1	Major Project	0	8	0	12	Counsellor	12
		VIII	CS-2	Major Project	0	4				
25	Mr. Deepak Vishwakarma	VI	CS-3	Skill Development Lab	0	2	3	10	ERP Coordinator, MST Coordinator (4th Year CS)	13
		VIII	CS-1	IoT	3	4				
		VIII	CS-1	Major Project	0	4				
26	Ms. Varsha Zokarkar	VIII	CS-1	OOSE	4	8	4	8	Counsellor	12
27	Mr. Nitin Trivedi	VIII	CS-1	MIE	4	0	8	4	EOI and Major Project Coordinator	12
		VIII	CS-2	MIE	4	0				
		VIII	CS-1	OOSE Lab	0	4				
28	Ms. Priyanka Kumarawat	VIII	CS-2	OOSE	4	8	4	8	Counsellor	12
29	Mr. Aadesh Vyas	VIII	CS-2	Major Project	0	6	0	10	Counsellor	10
		VIII	CS-2	OOSE	0	4				
30	Mr. Sudheer Chouhan	VI	AIML	ISR	4	4	4	4	Counsellor	8
31	Ms. Sonali Korane	VI	AIML	TOC	4	4	4	4	Counsellor	8
32	Ms. Khushbu Tarnakar	IV	IT	ADA Lab	0	4	0	4	SIG Report Coordinator	4
33	Mr. Devendra Kushwah	VI	AIML	CN	4	4	4	4	ERP Coordinator	8
34	Mr. Ashish Singh	M.Tech II	CS	System Programming	4	0	4	0	Counsellor	6
		M.Tech II	CS	MCSE-207 Lab	0	2	0	2		

HoD, CSE

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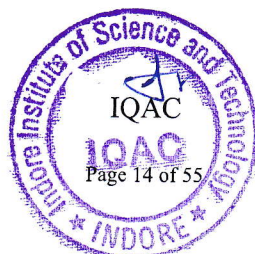
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6. *Sample of Subject allotment option form |2023-2024*

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY, INDORE,
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SUBJECT ALLOTMENT OPTION FORM
Academic Year: 23-24.

Faculty Name: Recha Gupta.

Qualification - Ph.D. CCSE

Area of Interest Parallel Processing & AIML

Experience : 2-5 years

Specialization: computer Architecture & OS

Subject taught in July to Dec

Subject taught in July to Dec

Subject taught in July to Dec

Note: 1) Write numbers according to your priority and select at least 2 subjects per semester.

VIII Semester(As per Old Syllabus & Scheme)			IV Semester	
1	CS-801	IOT	CS-402	Analysis Design of Algorithm
2	CS-802 DE	BlockChain/ CC/ High Performance Computing/ OOSE	CS-403	Software Engineering
3	CS-803 OE	Image Processing/ Game Theory/ IOT/ MIE	CS-404	Comp. Organization & Architecture
4	CS-804	D/ O/ E Lab	CS-405	Operating Systems
	CS-805	Major Project-II	CS-406	Programming Practices
			CS-408	Cyber Security (MOOC)

VI Semester			II Semester	
1	CS-601	Machine Learning	BT-2005	Basic Computer Engineering
2	CS-602	Computer Networks		
3	CS-603 DE	ACA/ CG&V/Compiler Design	**Other Department**	
4	CS-604 OE	Knowledge Management / Project Management / Rural Tech & Community Development	CM-406	Computer Programming-II
5	CS-605	Data Analytics Lab	ME-606	RDBMS
6	CS-606	Skill Development Lab		
7	CS-608	Minor Project II		

M.E. CS II Semester			M.E. CS IV Semester	
1				
2				
3				

Signature:

Date:

Subject Allotted:

Sr.No	Subject Name	Subject Type	Class	Branch	Load/Week
1	Machine learning	Theory + lab	CS2	CSE	7
2	Soft computing	Theory	M.Tech II	CSE	4
3					

Faculty Signature:

HOD Signature

For IIST/ IIP/ IIMR Admin
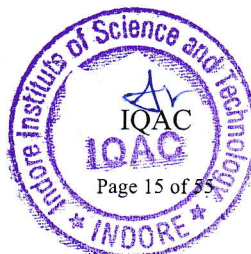
Chief Administrative Officer

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Indore Institute of Science and Technology, Indore

Saturday, December 21, 2024

Indore Institute of Science & Technology

7. Sample Time Table for Jan-June2024

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
TIME TABLE
SESSION: Jan - June 2024

CLASS ROOM NO. 26
Class - CS-1 II Year
Class Cordinator -Ms. Megha Birthare
EFFECTIVE FROM :26-02-24

TIME / DAY	09.30 AM - 10.20 AM	10.20 AM - 11.10 AM	11.10 AM - 12.00 AM	12.00 AM - 12.50 PM	12.50 PM- 01.30 PM	1.30 PM - 2.20 PM	2.20 PM - 03.10 PM	3:10 PM - 3:55 PM
MONDAY	LAB-2 PP (B1)/ADA (B2) KC	Lab-1 RV	L ADA SIG PSK	SIG		L OS AS	AIML LAB-2 SE (B1)/COA (B2) MB	Lab-6 NB
TUESDAY	L SE MB	L M-3 DJ	L ADA SIG PSK	SIG	LUNCH	PDP SB	L COA PS	L SE MB
WEDNESDAY	L M-3 DJ	L COA PS	L ADA SIG PSK	SIG		L OS AS	LAB-3 OS (B1)/ PP(B2) JK	Lab-2 KC
THURSDAY	L M-3 DJ	M-3 DJ	L ADA SIG PSK	SIG		L SE MB	LAB-1 SE (B2)/COA (B1) MB	LAB-3 NB
FRIDAY	L COA PS	APT AB	L COA PS	SIG		L OS AS	LAB-6 OS(B2)/ADA (B1) JK	IT Lab-1 RV

S. NO.	Sub. Code	Subject	Faculty	Name	Designation	Sign
1	BT-401	M-3	DJ	Mr. Dhananjay Joshi		
2	CS-402	SIG ADA	PSK/RV	Mr. Pritesh Saklecha/Mr. Rakesh Verma	Timetable I/C	
3	CS-403	SE	MB	Ms.Megha Birthare		
4	CS-404	COA	PS/SS	Ms. Poorva Shukla/Ms. Nisha Bhati	H.O.D	
5	CS-405	OS	AS/JS	Mr. Ankush Saklecha/ Mr.Jitendra Kulasthe	DEAN	
6	CS-406	PP	KC	Ms. Kavita Chandnani		
7	CDC	APTT	AB	Mr. Abhishek Bhatnagar		
8	CDC	PDP	SB	Ms. Shweta Bahrani	PRINCIPAL	
9	SIG	SIG	PW	Mr. Pankaj Wadhyani		

8. Outcome-Based Education (OBE)

A. Method of Attainment of POs, PSOs, and COs

The attainment of COs is based on continuous internal assessment and semester examinations. Attainment of CO in a course is set at 30% from continuous internal assessment and 70% from end-semester examinations. Program Outcomes and Program-Specific Outcomes Assessment Process COs are mapped to POs in matrix form. Correlation levels 1, 2, and 3 are defined as low, moderate, and high, respectively. "-" or blank is used if there is no correlation. The target level and level of attainment for any subject will be based on the previous year's attainment and finalized by the concerned subject faculty. Two methods are adopted for attainment: Direct methods represent the student's knowledge and skills based on their performance in the continuous assessment test, semester examinations, assignments, quizzes, group discussions, and lab practical

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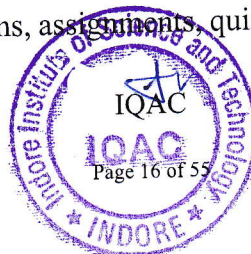
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to assess practical knowledge. Indirect methods include surveys from stakeholders to reflect on students learning in IIST, all faculty members from all programs use all direct and indirect assessment tools throughout the semester. All faculty members compute the attainment of course outcomes for their respective courses using direct assessment tools with a weightage of 80% and various surveys with a weightage of 20%. The HoD of each program collects this information from the subject faculty and computes the attainment of POs.

B. Flow chart and Rubrics for PO's Assessment and Attainment
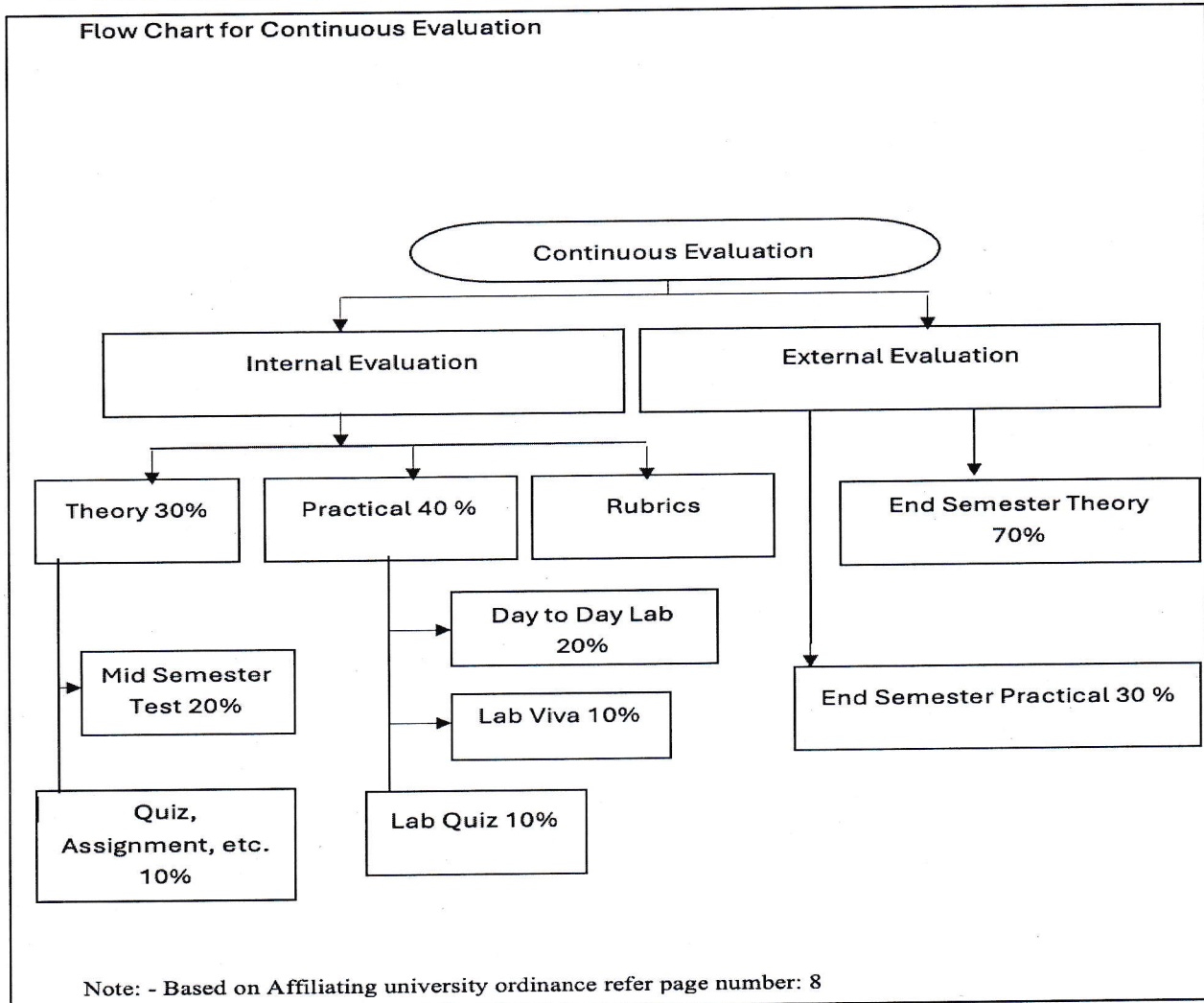
Flow Chart for Continuous Evaluation

```
                    Continuous Evaluation
                    /                    \
        Internal Evaluation          External Evaluation
        /      |      \                  |         \
  Theory   Practical  Rubrics    End Semester    End Semester
   30%      40%                  Theory 70%      Practical 30%

  Mid Semester    Day to Day Lab 20%
  Test 20%        Lab Viva 10%

  Quiz,           Lab Quiz 10%
  Assignment, etc.
  10%
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Note: - Based on Affiliating university ordinance refer page number: 8

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C. Sample Course Outcomes (CO's) of Computer Science and Engineering (UG)

Subject Code	Subject Name	CO Description
BT-101	Engineering Chemistry	Differentiate hard and soft water; solve the related numerical problems on water purification and its significance in industry and daily life.
		Select the lubricant for various purposes based on the type of Machines.
		Equipped with basic knowledge of polymer , methods of polymerization and various industrial applications of polymers
		Draw the Phase diagrams of one & two component systems and causes, consequences and methods to minimize corrosion to improve industrial designs.
		Identify the structure of unknown/new compounds with the help of spectroscopy and understand periodic properties such as ionization potential, oxidation states and electro negativity
BT-102	Mathematics-I	To introduce the fallouts of Rolle's Theorem that is fundamental to application of analysis to Engineering problems.
		To introduce the idea of applying differential and integral calculus to notions of curvature and to improper integrals. Apart from some applications it gives a basic introduction on Beta and Gamma function
		To develop the tool of power series and Fourier series for learning advanced Engineering Mathematics.
		To familiarize the student with functions of several variables that is essential in most branches of engineering
		To develop the essential tool of matrices and linear algebra in a comprehensive manner.
BT-103	English for Communication	Effective use of verbal and non-verbal communication for enhanced soft skill beside enhanced reading comprehension as well
		Write the different kinds of letters, reports and technical writing.
		Apply basic rules of grammar in both written as well as oral communication.
BT-104	Basic Electrical & Electronics Engineering	To introduce the concept of Basics of DC electrical Network including network theorems.
		To introduce the concept of Basics of AC electrical Network(single phase & 3 phase)..
		To study of law of Electromagnetism, introduction of transformer.
		To study of various electrical Machines.
		To study Basic Concept Digital Electronics.
BT-105	Engineering Graphics	Draw various types of scales, and curves.
		Draw orthographic projections of points & lines
		Draw orthographic projections of Planes & Solids
		Draw sections and development of solids including cylinders, cones, prisms and pyramids.

Subject Code	Subject Name	CO Description
		Draw isometric views of Planes and Solids, Drawing using AUTOCAD.
BT-106	Manufacturing Practices	Use hand and power tools for different manufacturing processes
		Operate machine tools while preparing any component
		Select the appropriate tools required for specific operation.
		Comprehend the safety measures required to be taken while using the tools.
		Prepare Foundry, Fitting, Carpentry, Welding and smithy Job.
BT-107	Internship-I (60 Hrs Duration) at the Institute level	Demonstrate the application of knowledge and skill sets acquired from the course and workplace in the assigned job function/s
		Solve real life challenges in the workplace by analysing work environment and conditions, and selecting appropriate skill sets acquired from the course
		Exhibit critical thinking and problem solving skills by analysing underlying issue/s to challenges
		Demonstrate appreciation and respect for diverse groups of professionals by engaging harmoniously with different company stakeholders
		Exhibit professional ethics by displaying positive disposition during internship
BT-108	Swachh Bharat Summer Internship Unnat Bharat Abhiyan (100Hrs)/ Rural Outreach	This course is to sensitize students about the socio-cultural aspects of the rural areas parochial to their colleges.
		Students are expected to observe, investigate and learn about the following aspects of the rural region: i. Demographics, Literacy, Geographical parameters of the Village; ii. Schemes of government of India and State of Madhya Pradesh in operation in the villages.
		To enhance critical thinking by making them participate in social activities and imbibe human values among them.
		Rural Swachh Bharat Abhiyan is to promote cleanliness and develop healthy habits in people in villages.
		Unnat Bharat Abhiyan: To build an understanding of the development agenda within institutes of Higher Education and an institutional capacity and training relevant to national needs, especially those of rural India.
BT-201	Engineering Physics	The Coursework is designed to provide students the opportunity to learn key concepts of Wave nature of particles and the Schrodinger equation.
		Student will able to understand the knowledge of Wave optics i.e. interference and diffraction.
		To introduce the idea of solids like semiconductors (P type and N Type semiconductors), Diodes and Hall effect. STudents will also be able to understand the basic concept of superconductivity.
		To develop the understanding of Lasers, fiber optics and their applications in field of engineering sciences.
		To provide you to basic understanding of Electrostatics in vacuum.
BT-202	Mathematics-II	To introduce effective mathematical tools for the solutions of ordinary and partial differential equations that model physical processes.

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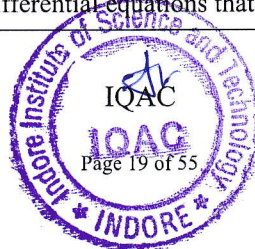| Subject Code	Subject Name	CO Description
		To introduce the tools of differentiation and integration of functions of complex variable those are used in various techniques dealing engineering problems.
		To acquaint the student with mathematical tools available in vector calculus needed various field of science and engineering.
BT-203	Basic Mechanical Engineering	Understand the properties of material, stress strain. Properties of alloys and cast iron.
		Understand the concept measurement and machine tools their operations and their applications.
		Understand the concept of fluid flow , properties of fluid, Bernoulli's equation, Pascal's law.
		To Understand the concept of heat and temperature, law of thermodynamics, boilers and their mountings and accessories, basic Refrigeration cycles and its applications.
		To Understand the working of different cycles and 4 strokes, 2 stroke engines and their applications.
BT-204	Basic Civil Engineering & Mechanics	Students will acquire the basic knowledge in different fields of civil engineering and materials used in construction.
		Gain the ability to use modern survey equipment to measure angles and distances.
		Students will understand the basic of contour lines and map
		Students will have the ability to identify, formulate and solve engineering problems related to Engineering Mechanics: Statics
		Students will be able to analyse beam for shear force and bending moment.
BT-205	Basic Computer Engineering	Able to understand the basic applications of computers in various fields, describe operating system, its role and functionalities and to apply concepts of MS word, MS power point, MS Excelefficiently.
		Discuss and apply simple algorithms for arithmetic and logical problems.
		Translate the algorithms to programs applyingobject-oriented concepts in C++ programming language.
		Understand basics of computer networks, OSI layers and protocols, E commerce applications, impact of securitythreats and attacks on networking systems and also security measures
		Understand the different method for representing and processing data and to get awareness about the impact of cloud computing, its various type of services.
BT-206	Language Lab & Seminars	learners to develop good listening skills.
		Encourages learner to talk freely and lose their shyness when talking in front of the people
		To develop the overall personality of the students by the practical activities
		Helps in confidence building, motivation to be more presentable and help in removing the stage fright
		Develops speaking, writing, reading, listening and presentation skills.

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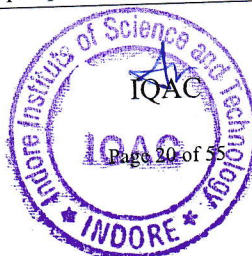Indore Institute of Science and Technology, Indore

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Subject Code	Subject Name	CO Description
ES-301	Energy & Environmental Engineering	Get the knowledge of energy carriers, energy technologies, renewable energy resources, energy challenges and energy system integration and environment sustainability.
		Learn about the different types of ecosystems present in environment, ecological succession and energy flow in the ecosystem.
		Understand the value of bio-diversity to human societies, threats to bio-diversity, In-situ and Ex-situ conservation of bio-diversity.
		Acquire knowledge of different types of environmental pollution, its effects on life and its remedies.
		Aware about the social issue related to the environment, environment ethics, protection and conservation acts for the environment.
CS-302	Discrete Structure	Students will be able to understand the notion of mathematical thinking and algorithmic thinking and be able to apply them in problem solving such as formula specifications, verifications and basic concepts of set theory.
		Understand the basic principle of boolean algebra, logic and set theory.
		Be able to construct simple mathematical proof and possess the ability to verify them.
		Acquire ability to describe computing problems with the help of graph theory and finite state machines, also express its utility in solving and modeling real time problems.
		Apply basic counting techniques to solve combinatorial problem.
CS-303	Data Structure	To understand the concept of linear, non-linear data structures, the operations performed on them and the applications of various data structures.
		Understand the arrays, searching and sorting algorithms.
		Implement stacks, queues and its applications.
		Implement linked list and its variations.
		Solve problem involving graphs, trees and heaps.
CS-304	Digital Systems	Understand the concept of number systems & binary arithmetic.
		To study the boolean algebra and minimization of switching function.
		Understand logic gates, universal gate, adders & subtractors.
		Demonstrate linear wave shaping circuits, logic families, multiplexers and memory.
		Understand basic digital communication system.
CS-305	Object Oriented Programming & Methodology	Describe the procedural and object oriented paradigm with concepts of streams, classes, functions, data and objects.
		Understand dynamic memory management techniques using pointers, constructors, destructors etc.
		Describe the concept of function overloading, operator overloading, virtual functions and polymorphism.

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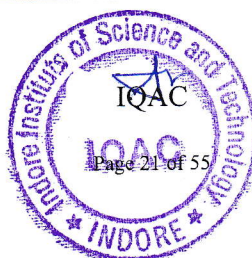Indore Institute of Science and Technology, Indore

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Subject Code	Subject Name	CO Description
		Understand how to apply the major object-oriented concepts to implement object oriented programs in C++, encapsulation, inheritance and polymorphism.
		Classify inheritance with the understanding of early and late binding, usage of exception handling, generic programming.
CS-306	Computer Workshop	Understand the concepts of Java programming.
		Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc.
		Understand fundamentals of object-oriented programming in Java and be familiar of the important concepts like class, inheritance and multithreading, AWT and JDBC.
		Use the Java SDK environment to create, debug and run Java programs.
		Develop Java applet.
BT-107	Evaluation of Internship-I completed at I year level	To display the utility of information and talent units obtained from the path and place of business withinside the assigned task function.
		Solve actual existence demanding situations withinside the path via way of means of analysing the area and choosing suitable ability units obtained from the path.
		Exhibit important questioning and hassle fixing talents via way of means of analysing underlying issues to challenges.
		Demonstrate the capacity to harness assets with the aid of using analysing demanding situations and thinking about opportunities.
		Articulate profession alternatives via way of means of thinking about possibilities in company, sector, industry, expert and academic advancement.
BT-307	90 hrs Internship based on using various softwares – Internship -II	Demonstrate the application of knowledge and skill sets acquired from the course and workplace in the assigned job functions.
		Solve real life challenges in the workplace by analysing work environment and conditions, and selecting appropriate skill sets acquired from the course.
		Exhibit critical thinking and problem solving skills by analysing the challenges.
		Demonstrate appreciation and respect for diverse groups of professionals by engaging harmoniously with different company stakeholders.
		Exhibit professional ethics by displaying positive disposition during internship.

D. Sample Course Outcomes (CO's) of Computer Science and Engineering (PG)

MCSE 101 Ad. Compt. Mathematics	Identify and comprehend linear algebraic structures that appear in computer science
	Use linear algebraic methods to perform computational task.
	Comprehend and apply the algebric processes in real life problems.

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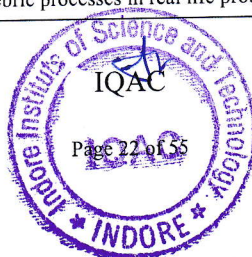Indore Institute of Science and Technology, Indore

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MCSE 102 **Ad. Data Structures and Algo**	Use data structures and algorithms to solve computing problems
	Design algorithms using graph structure and various string matching algorithms to solve real-life problems
	Apply suitable design strategy for problem solving
MCSE 103 **ACA**	Discuss the issues related to multiprocessing and suggest solutions
	Point out the salient features of different multicore architectures and how they exploit parallelism
	Discuss the various techniques used for optimising the cache performance
MCSE 104 **OOT**	Understand and describe the project principles and constructs of object-oriented system
	Identify and model/represent domain constraints on the objects and (or) on their relationships
	Understand various modeling techniques to model different perspectives of object-oriented software design
MCSE 105 **Ad. CN**	Identify the components required for designing a network
	Design a network at a high-level using different networking technologies
	Analyze the various protocols of wireless and cellular networks

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E. Sample MST Examination Paper based on AICTE Exam Reform policy. Sep2023

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY, INDORE
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
MID SEMESTER TEST-I SEPTEMBER, 2023

SUBJECT NAME: EMI
SEMESTER: III SEM / II YEAR   SECTION: EC
MAX MARKS: 20

SUBJECT CODE: EC 302
ENROLLMENT NO.: ....
TIME: ONE AND HALF HOURS

Q. No.	Questions	Marks	CO	BL	PO
	PART –A (ATTEMPT ANY TWO QUESTIONS)				
1.	Explain the term static error, static correction, relative error and percent relative error.	4	CO 3.2.1.1	L2	CO1
2.	Galvanometer used as a Voltmeter and Ammeter.	4	CO 3.2.1.1	L3	CO1
3.	Define accuracy, precision & hysteresis (B-H Curve)	4	CO 3.2.1.1	L1	CO1
	PART –B (ATTEMPT ANY TWO QUESTIONS)				
4.	Draw the Block Diagram of CRO. Explain TBG circuit.	4	CO 3.2.2.2	L2	CO2
5.	Distinguish between Dual trace (alternate and chopping mode) and dual beam (splitting and two electron gun) CRO.	4	CO 3.2.2.2	L4	CO4
6.	Compare Maxwell's inductance capacitance bridge for low Q coil values ($1 < Q < 10$) and higher Q value $Q > 10$.	4	CO 3.2.2.2	L4	CO5
	PART –C (ATTEMPT ANY ONE QUESTION)				
7.	Make use of LVDT. Draw its circuits for $[\, E_o = E_{s1} - E_{s2} \,, E_{s1} = E_{s2} \,, E_{s1} > E_{s2} \,, E_{s1} < E_{s2} \,]$. Sketch graph between displacement and output voltage.	4	CO 3.2.3.3	L3	CO3
8.	Gives Example of Primary and Secondary transducers. Explain anyone.	4	CO 3.2.3.3	L2	CO2

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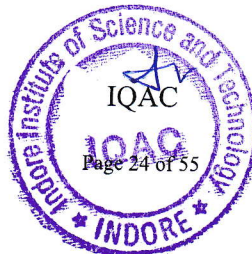
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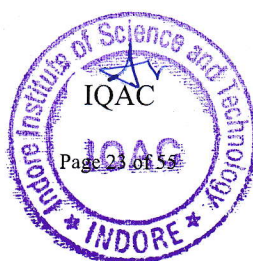and Technology, Indore

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INDORE INSTITUTE OF SCIENCE & TECHNOLOGY, INDORE
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
MID SEMESTER TEST-II JUNE 2024

SUBJECT NAME: ANALOG CIRCUIT **SUBJECT CODE: EC-405**
SEMESTER: IV SEM / II YEAR **ENROLLMENT NO.: ....**
MAX MARKS: 20

Q. No.	Questions	Marks	CO	BL	PO
	PART –A (ATTEMPT ANY TWO QUESTIONS)				
1.	Explain the op-amp as an inverting and non-inverting amplifier. also Derive the gain of the amplifiers.	4	CO 2.4.5.3	L4	PO1,2, 3, 7, 12
2.	Explain the working of the Monostable multivibrator using IC- 555 timer.	4	CO 2.4.5.4	L2	PO1,2, 3, 7, 12
3.	Explain the working of the RC phase shift oscillator with a circuit diagram.	4	CO 2.4.5.3	L4	PO1,2,3, 7, 12
	PART –B (ATTEMPT ANY TWO QUESTIONS)				
4.	Draw the first-order low-pass filter and obtain its gain and frequency response.	4	CO 2.4.4.3	L1	PO1,2, 3, 7, 12
5.	Calculate the output voltage of the given circuit.	4	CO 2.4.4.4	L2	PO1,2, 3, 7, 12
6.	Write a short note on (anyone) a) Schmitt Trigger b) Log and Antilog Amplifier	4	CO 2.4.4.4	L4	PO1,2, 3, 7, 12
	PART –C (ATTEMPT ANY ONE QUESTION)				
7.	Explain the working principle of Hartlley's oscillator with its circuit diagram.	4	CO 2.4.4.4	L2	PO1,2, 3, 7,12
8.	Define the following terms. a) Input offset voltage. b) Input Bias Current c) CMRR d) Slew Rate	4	CO 2.4.4.3	L4	PO1,2, 3, 7, 12

------------------------End of Question Paper------------------------

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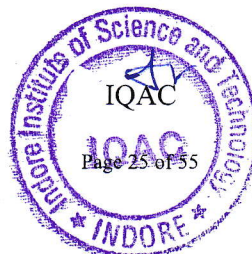
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F. Sample Direct Attainment sheet.

ACADEMIC YEAR 2023-24

S. No	Univ. Subject Code	Subject Name	CO	CO Description	CO Avg	CO Avg	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
				INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY																	
				DEPARTMENT OF INFORMATION TECHNOLOGY																	
				ACADEMIC YEAR 2023-24																	
1	ES-301	Energy & Environmental Engineering	2.3.1.1	Get the knowledge of energy carriers, energy technologies, renewable energy resources, energy challenges and energy system integration and environment sustainability.	0.0		3	2	3	2					3	2			3	2	1
			2.3.1.2	Learn about the different types of ecosystems present in environment, ecological succession and energy flow in the ecosystem.	0.0		3	1		3	3								3	1	1
			2.3.1.3	Understand the value of bio-diversity to human societies, threats to bio-diversity, In-situ and Ex-situ conservation of bio-diversity.	0.0		3		2	1		3	3						3		1
			2.3.1.4	Acquire knowledge of different types of environmental pollution, its effects on life and its remedies.	0.0		2	1	3			3	2						3	2	1
			2.3.1.5	Aware about the social issue related to the environment, environment ethics, protection and conservation acts for the environment.	0.0		3	3	2	3	3								2	2	1
			CO Average		0.0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00	0.00
2	IT302	Discrete Structure	2.3.2.1	Construct simple mathematical proofs and possess the ability to verify them.	0.0		2	2	3	2		1					1		2	3	1
			2.3.2.2	Specify and manipulate basic mathematical objects such as sets, functions, and relations and will also be able to verify simple mathematical properties that these objects possess.	0.0		1			3									1	3	
			2.3.2.3	skillful in expressing mathematical properties formally via the formal language of propositional logic and predicate logic.	0.0		2			3									2	3	
			2.3.2.4	Acquire ability to describe computing problems with the help of graph theory and Finite state machines, also express its utility in solving and modeling real time problems.	0.0		1			2		3					2		1	2	3
			2.3.2.5	Apply basic counting techniques to solve combinatorial problem.	0.0				3		2										
			CO Average		0.0		0.00	0.00	0.00	0.00		0.00					0.00	0.00	0.00	0.00	0.00
3	IT303	Data Structure	2.3.3.1	Ability to analyze algorithms and algorithm correctness.	1.7	0.55	2	1	3			1					2		2	3	1
			2.3.3.2	Ability to summarize the use of stack and queue in real life applications.	1.8	0.59	2	1	2	3									2	3	
			2.3.3.3	Ability to describe the use of tree.	1.8	0.60	1	2	2										1	2	
			2.3.3.4	Ability to have knowledge of graphs concepts.	1.7	0.56	1	2	3			2							1	3	2
			2.3.3.5	Ability to summarize searching, sorting and hashing techniques.	0.8	0.28	1	2	3	3	1								1	3	
			CO Average		1.6	0.52	1.59	1.51	1.51	1.31	0.84	1.67					1.65		1.59	1.53	1.67
4	IT304	Object Oriented Programming Methodology	2.3.4.1	Recognise attributes and methods for give an objects	2.0	0.65	3	1	2										3	2	
			2.3.4.2	Define data types and also deal with operations applied for data structures	0.5	0.18	1		2	3		2							1	3	2
			2.3.4.3	Implement algorithms and complex problems	1.3	0.42	1	2	1	3					1		3	2	2	3	1
			2.3.4.4	Understand how to apply the major object-oriented concepts to implement object oriented programs in C++, encapsulation, inheritance and polymorphism	1.1	0.36	2	2	2	3		1			2		2	2	2	3	2
			2.3.4.5	Classify inheritance with the understanding of early and late binding, usage of exception handling, generic programming.	1.1	0.37	1	2		2							2		1	2	
			CO Average		1.2	0.40	1.36	1.26	1.19	0.98		0.71			1.13		1.17	1.17	1.35	1.13	0.89
			2.3.5.1	Perform number base conversion, use Boolean logic to create digital circuits	1.2	0.63	2	1	3	2					1		2		2	3	1

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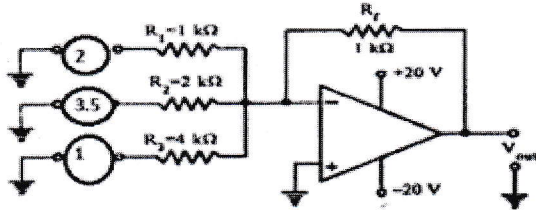Principal
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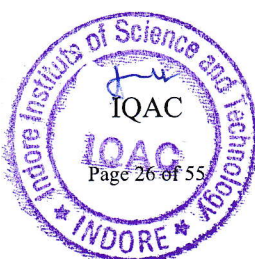**DEPARTMENT OF INFORMATION TECHNOLOGY**

ACADEMIC YEAR 2023-24

S. No.	Univ. Subject Code	Subject Name	CO	CO Description	CO Avg	CO Avg	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
5	IT305	Digital Circuit System	2.3.5.2	Understand use of encoders, decoders, multiplexers and d-multiplexes in communication systems	1.9	0.64	1	2	2	3									1	3	
			2.3.5.3	By learning design of combinational and sequential circuits students can understand its use in digital systems such as computers, communication systems and other modern technologies	1.9	0.67	2	2	3								2		2	3	
			2.3.5.4	Study of a ADC and DAC along with display devices with enable students to understand signal conversion and its display and their applications and digital devices	2.0	0.64		3	2	1		2								3	2
			2.3.5.5		1.9	0.63															
			CO Average		1.9	0.64	1.62	1.85	1.71	1.67		2.00			1.19		1.55		1.62	1.75	1.73
6	IT306	Java Programming	2.3.6.1	Understand the concepts of Java programming.	1.9	0.50	2	1	3	2										2	3	
			2.3.6.2	Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc.	2.7	0.89	2		1	2							3		2	3	
			2.3.6.3	Understand fundamentals of object-oriented programming in Java and be familiar of the important concepts like class, inheritance and multithreading, AWT and JDBC.	1.6	0.52	1	2	1	1					3				1	2	3
			2.3.6.4	Use the Java SDK environment to create, debug and run Java programs.	2.1	0.71	1		3	2							2		1	3	
			2.3.6.5	Develop Java applet.	1.6	0.55	1	2	3	2							1		1	3	
			CO Average		1.9	0.63	2.07	1.67	1.94	2.03					1.56		2.32		2.07	2.02	1.56
7	BT107	Evaluation of Internship-1 completed at I year level	1.1.7.1	To display the utility of information and talent units obtained from the path and place of business withinside the assigned task function.	0.0					2			1	1	3	2	2	2	2	2	3
			1.1.7.2	Solve actual existence demanding situations withinside the path via way of means of analysing the area and choosing suitable ability units obtained from the path.	0.0				1	2					3	3	2	1	1	2	3
			1.1.7.3	Exhibit important questioning and hassle fixing talents via way of means of analysing underlying issues to challenges.	0.0			2	3						3	2	2			3	3
			1.1.7.4	Demonstrate the capacity to harness assets with the aid of using analysing demanding situations and thinking about opportunities.	0.0		1							2	3	2	3	1	1	3	3
			1.1.7.5	Articulate profession alternatives via way of means of thinking about possibilities in company, sector, industry, expert and academic advancement.	0.0								1	1	2	2	3	2	2	3	2
			CO Average		0.0		0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	BT-401	Mathematics- III	2.4.1.1	Understand mathematical tools for the numerical solutions algebraic and transcendental equations.	1.9	0.63	3	3	2	3	2								2	2	
			2.4.1.2	Describe mathematical knowledge to understand laplace transformation, inverse laplace transformation and fourier transform which are used in various branches of engineering.	1.9	0.64	3	3	3	2	3								2	2	
			2.4.1.3	Work with mathematical tools available in statistics needed in various field of science and engineering.	2.0	0.65	3	3	2	2	2								2	2	
			2.4.1.4	Fulfill the needs of engineers to understand applications of numerical analysis, transform calculus and statistical techniques in order to acquire mathematical knowledge.	2.0	0.66	3	3	2	3	2								2	2	
			CO Average		1.9	0.64	1.93	1.93	1.93	1.93	1.93								1.93	1.93	
			2.4.2.1	To define the structure, function and characteristics of computer systems.	2.7	0.91	2	1	2										2	2	

For IIST/ IIP/ IIMR

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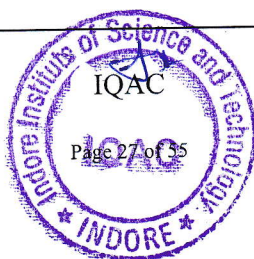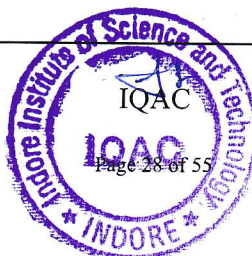
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INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2023-24

S. No.	Univ. Subject Code	Subject Name	CO	CO Description	CO Avg	CO Avg	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
9	IT402	Computer Architecture	2.4.2.2	To define the design of the various functional units and components of computers.	1.5	0.50	1	2	3	1		2							1	3	2
			2.4.2.3	To identify the elements of modern instructions sets and their impact on processor design.	1.7	0.55		1	2						2		3			3	2
			2.4.2.4	To explain the function of each element of a memory hierarchy.	2.1	0.71	2	3	2										2	3	
			2.4.2.5	To explain the function of multi processing and techniques to achieve it	1.9	0.62	2	2	3										2	3	
			CO Average		2.0	0.66	2.13	1.94	1.93	1.50		1.50			1.65		1.65		2.13	1.92	1.58
10	IT403	Analysis and Design of Algorithm	2.4.3.1	The algorithms and its design, relation between algorithm and program, Time and Space complexity of an algorithm	0.0		3	3	0	1	1				1			1	3	2	1
			2.4.3.2	Various approaches to design an algorithm like divide and conquer, dynamic programming etc.	0.0		2	3	1	3	3				1			1	3	2	1
			2.4.3.3	Argue the correctness of algorithms using inductive proofs and invariants	0.0		2	3	1	3	3				1			1	3	2	1
			2.4.3.4	Different ways to analyze randomized algorithms and know about the approximation algorithms	0.0		2	3	1	3	3				2			1	3	2	1
			2.4.3.5	Compare between different data structures. Pick an appropriate data structure for a design situation	0.0		2	3	1	3	3				3			1	3	2	1
			CO Average		0.0		0.00	0.00	0.00	0.00	0.00				0.00			0.00	0.00	0.00	0.00
11	IT404	Analog & Digital Communication	2.4.4.1	Differentiate Analog and Digital Signal and types of signals.	2.3	0.75	1	2	2	1						2			1	2	2
			2.4.4.2	Understand the communication of information over the communication channel.	2.3	0.78	2	3	2										2	3	
			2.4.4.3	Understand how information signal of low frequency can be transmitted with the help of modulation techniques over a long distance.	2.6	0.86	1	2	2	3									1	3	
			2.4.4.4	Differentiate different modulation techniques such as AM, SSB, DSB and FM.	2.3	0.75		2	2	3		2								3	2
			2.4.4.5	Explain using block diagrams, modulation and demodulation techniques for digital signal and determine bandwidth requirement.	2.2	0.73		1	3						1		2			3	1
			CO Average		2.3	0.78	2.38	2.34	2.31	2.40		2.26			2.19	2.26	2.19		2.38	2.33	2.25
12	IT405	Data base Management System	2.4.5.1	To understand the different issues involved in the design and implementation of a database system.	2.0	0.66	2	2							2				2	2	2
			2.4.5.2	To study and learn how to construct ER model	1.5	0.50	1	3	2					1	3				1	3	3
			2.4.5.3	To understand and use data manipulation language to query, update, and manage a database.	2.5	0.84	2	3	2	3					2	1	3	1	2	3	2
			2.4.5.4	To develop an understanding of essential DBMS concepts such as: Normalization.	1.6	0.52	1	1	2	2					1		2		1	2	1
			2.4.5.5	To design and build a simple database system and demonstrate competence with the fundamental tasks involved with transaction and concurrency control.	2.4	0.81	1	2	3	3							2		1	3	
			2.4.5.6	Demonstrate and explain terms like transaction processing, concurrency control, distributed database and big data	2.0	0.67	2	1	2	3									2	3	
			CO Average		0.0		2.08	2.05	2.04	2.18				1.51	1.86	2.53	2.22	2.53	2.08	2.04	1.86
			2.4.6.1	Be acquainted with elements, tags and basic structure of HTML files	0.0		1	2	3						2				1	3	2

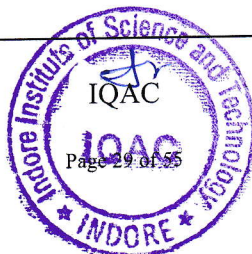For IISTM/IIP/IIMR — Admin
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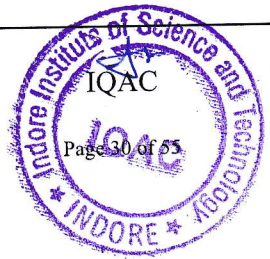
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2023-2024

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2023-24

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13	IT406	Introduction to MATLAB, Scilab/Web Design	2.4.6.2	Designing of web page-document layout, working with list, working with tables.	0.0				1	3						1		3			3	1
			2.4.6.3	Practice hyper linking, designing of webpage-working with frames, forms and controls.	0.0			1	2	2		1				2		3	1	1	3	2
			2.4.6.4	Prepare creating style sheet, CSS properties, background, text, font and styling etc.	0.0						2					1	2	1			2	2
			2.4.6.5	Practice the use of multimedia components in HTML documents.	0.0			2	2						2	1	1	2		2	2	2
			CO Average		0.0		0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	IT-407	Open Source Software Lab (Linux and R)	2.4.7.1	Students will be able to understand Functions of operating system and its types and Unix system architecture	2.3	0.77	2	3													2	3
			2.4.7.2	Students will be able to understand and make use of the basic commands of linux operating system and Work confidently in Linux environment	2.8	0.92	1	2	1	3				1	1		2			1	3	1
			2.4.7.3	Students will be able to understand file systems and illustrate various file operations	2.8	0.93	1	2	1						2	1	3		1	3	2
			2.4.7.4	Students will be able to create shell scripts to automate different tasks as Linux	2.8	0.95	2	2	1	3					1		2		2	3	1
			2.4.7.5	Students will understand installation of web servers and proxy servers	3.0	1	2	2	1						2		1	1	2	2	2
			CO Average		2.8	0.95	2.73	2.70	2.84	2.80				2.75	2.86	2.78	2.82	3.00	2.73	2.72	2.86
15	IT501	Operating System	3.5.1.1	Explain the role of operating system and its management policies and algorithm.	1.3	0.42	2	1	2	3				1	2				2	3	2
			3.5.1.2	Identify the process management policies and analyze and compare scheduling of processes by CPU along with memory management.	1.9	0.63	1	2		2					2		2	1	1	2	2
			3.5.1.3	Identify process synchronization and coordination handled by operating system	1.5	0.48	2	2		2					1				2	2	1
			3.5.1.4	Understand concepts of memory management including virtual memory	1.0	0.34	2	2		3									2	3	
			3.5.1.5	Understand issues related to file system interface and implementation, disk management and Summarize the introduction to network, multiprocessor and distributed OS, and Elaborate on case studies for the	0.8	0.27	1	2	1	2		2		1	2		3		1	3	2
			CO Average		1.3	0.43	1.27	1.29	1.11	1.27		0.81		1.04	1.34		1.25	1.90	1.27	1.23	1.34
16	IT502	Computer Network	3.5.2.1	Outline and describe the fundamental concepts of computer network and functions of each layer in OSI and TCP/IP model.	2.1	0.70	3													3		
			3.5.2.2	Data link layer issues in a corporate network by identifying functions of data link layer protocols, essential principles of a MAC sub layer and by comparing contention, limited contention and contention free protocols.	2.2	0.73	3			1										3	1	
			3.5.2.3	Classify the routing protocols to find shortest paths for network-layer packet delivery and analyze how to assign the IP addresses for the given network using the concept of subnetting and Supernetting.	2.2	0.73	3	1	2											3	2	
			3.5.2.4	Describe the functions of Transport layer and its Protocols.	2.4	0.79	3	2	2							1		1	2	3	2	1
			3.5.2.5	Explain the functions of Application layer Protocols and Design a network infrastructure using various internetworking devices.	2.6	0.87	3	2	2	3								1	3	3	
			CO Average		2.3	0.76	2.28	2.42	2.35	2.60					2.37		2.37	2.45	2.28	2.39	2.37
17	IT503	Theory of Computation	3.5.3.1	Explain the basic concepts of switching and finite automata theory & languages	1.0	0.34	2	1	2						1	2			2	2	2
			3.5.3.2	Relate practical problems to languages, automata, computability and complexity.	0.5	0.17	3			2									3	2	
			3.5.3.3	Construct abstract models of computing and check their power to recognize the languages.	0.8	0.25	2	1	2	3									2	3	

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DEPARTMENT OF INFORMATION TECHNOLOGY
ACADEMIC YEAR 2023-24

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	IT503	Theory of Computation	3.5.3.4	Analyze the grammar, its types, simplification and normal form.	0.6	0.19	3	2							2	3	1		3	2	3
			3.5.3.5	Interpret rigorously formal mathematical methods to prove properties of languages, grammars and automata.	0.5	0.17	2	1	3	1						2		1	2	3	2
			CO Average		0.7	0.22	0.65	0.68	0.72	0.63					0.72	0.68	0.57	0.51	0.65	0.67	0.68
18	IT504	Java Programming	3.5.4.1	Be familiar with terminology used in this area	0.7	0.22	2	1	3	2									2	3	
			3.5.4.2	Understand the concepts of Java programming.	1.9	0.64	2		1	2							3		2	3	
			3.5.4.3	Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc.	1.5	0.49	1	2	1	1					3				1	2	3
			3.5.4.4	Understand fundamentals of object-oriented programming in Java and be familiar of the important concepts like class, inheritance and multithreading, AWT and JDBC.	1.4	0.45	1		3	2						2			1	3	
			35.4.5	Use the Java SDK environment to create, debug and run Java programs.	1.1	0.38	1	2	3	2						1			1	3	
			CO Average		1.6	0.53	1.33	1.20	1.18	1.33					1.47		1.69		1.33	1.34	1.47
19	IT505	Advanced Java Lab	3.5.5.1	Learn to access database through Java programs, using Java Data Base Connectivity (JDBC)	2.2	0.72	3	2											3	2	
			3.5.5.2	Create dynamic web pages, using Servlets and JSP.	2.1	0.70	2		3						2	1	2		2	3	2
			3.5.5.3	Make a reusable software component, using Java Bean. Invoke the remote methods in an application using Remote Method Invocation (RMI)	2.1	0.70	3	2	2						1		3		3	3	1
			3.5.5.4	Understand the multi-tier architecture of web-based enterprise applications using Enterprise JavaBeans (EJB).	2.2	0.72	3	2											3	2	
			3.5.5.5	Develop Stateful, Stateless and Entity Beans. Use Struts frameworks, which gives the opportunity to reuse the codes for quick development.	1.6	0.53	3	2	2	2			1		2	1	2	1	3	2	2
			CO Average		2.0	0.68	2.80	2.00	2.33	2.00			1.00		1.67	1.00	2.33	1.00	2.80	2.40	1.67
20	IT506	Soft Skills and Interpersonal Communication	3.5.6.1	To encourage the all round development of students by focusing on soft skills so it helps to bridge the gap between the skill requirements of the employer or industry and the competency of the students.	0.0		3														1
			3.5.6.2	To make the engineering students aware of the importance, the role and the content of soft skills through instruction, knowledge acquisition, demonstration and practice.	0.0		2														1
			3.5.6.3	To develop and nurture the soft skills of the students through individual and group activities.	0.0			2					3							3	
			3.5.6.4	To improve the communication skills & enrich personality development, and to enhance the employability of the students.	0.0					2	3										1
			CO Average		0.0		0.00	0.00		0.00		0.00		0.00					0.00		0.00
			3.5.7.1	Ability to be a multi-skilled engineer with good technical knowledge, management, leadership, social and environmental responsibility, and entrepreneurship skills.	2.3	0.77	3	1							2		2		3		
			3.5.7.2	Understand the usage of modern technologies & tools in the field of Electronics & Communication Engineering	2.8	0.92	3	2		1					2		1		3	1	

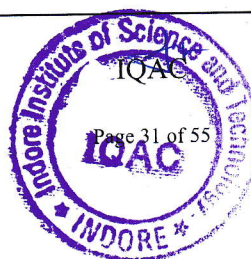For IIST/ IIP/ IIMR

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21	IT408	Evaluation of Internship-II	3.5.7.3	Exhibit important questioning and hassle fixing talents via way of means of analysing underlying issue/s to challenges	2.8	0.93	3			1									3	1	
			3.5.7.4	Demonstrate the capacity to harness assets with the aid of using analysing demanding situations and thinking about opportunities	2.8	0.95	3	2		1						2		1		3	2	
			3.5.7.5	Articulate profession alternatives via way of means of thinking about possibilities in company, sector, industry, expert and academic advancement	3.0	1	3	2									2	3	3	3	2	1
			CO Average		2.8	0.95	2.74	2.79							2.64	3.00	2.75	3.00	2.74	2.87	3.00
22	IT508	Minor Project- I	3.5.8.1	A fully engaged student shall be able to get exposure to undertake a short research project.	2.9	0.97	2	2	2	1	1			1	1		1	1	3	3	3
			3.5.8.2	To enable the students to develop comprehensive solution of identified problems.	2.9	0.96	2	3	3	3	3	3	2				3		3	3	3
			3.5.8.3	To inculcate the ability to synthesize the results of the detailed analytical studies conducted, lay down validity and design criteria, interpret the result for application to the problem, develop the concept and detailed design solution	2.9	0.96										3		3			
			CO Average		2.9	0.96	2.90	2.90	2.90	2.90	2.90	2.89	2.89	2.91	2.91	2.87	2.91	2.88	2.90	2.90	2.90
23	IT601	Computer Graphics & Multimedia	3.6.1.1	Descried the working of Input and Output devices for graphics.	2.4	0.81	1	3	3	1									1	3	
			3.6.1.2	Match and explain about graphics primitives and work with coordinate spaces, coordinate conversion	1.4	0.45	2	3	3	2									2	3	
			3.6.1.3	Analyze and demonstrate 2D & 3D geometrical transformations using modern tools.	2.2	0.74	2	3	3	1									2	3	
			3.6.1.4	Understand multimedia systems architecture, multimedia components and use various	2.1	0.70	1	3	3	2									1	3	
			3.6.1.5	Distinguish and evaluate he fractals, and the Animation with various techniques	1.9	0.63	1	1	2	1									1	2	
			CO Average		2.0	0.67	1.94	2.01	2.01	1.92									1.94	2.01	
24	IT602	Wireless and Mobile Computing	3.6.2.1	Design and create traditional networks	0.0		3	2											3	2	
			3.6.2.2	Understand the different issues in MAC and routing issues in multi hop wireless and ad-hoc networks and existing solutions for the same.	0.0		2	2	3	3					1		2	1	2	3	1
			3.6.2.3	Evaluate the transport layer issues in wireless networks due to error's and mobility of nodes and understand existing solutions for the same.	0.0		3		3										3	3	
			3.6.2.4	Explain the architecture of GSM.	0.0		2	2	1	2						1	1		2	2	1
			3.6.2.5	Discuss the services, emerging issues and future trends in M-Commerce.	0.0		3	1											3	1	
			CO Average		0.0		0.00	0.00	0.00	0.00					0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	IT603	Compiler Design	3.6.3.1	Demonstrate an understanding of the compilation phases.	0.0		3												3		
			3.6.3.2	Specify and analyze the lexical, syntactic and semantic structures of advanced language features.	0.0		3	3	2										3	3	
			3.6.3.3	Write a scanner, parser, and semantic analyser without the aid of automatic generators.	0.0		3	3	2										3	3	
			3.6.3.4	Describe techniques for intermediate code and machine code optimization.	0.0		3	3	2	2									3	3	

For AISTY/IIP/ IIMR
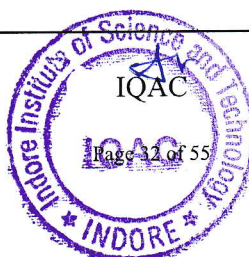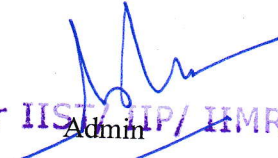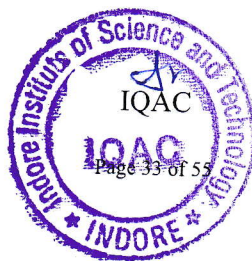
Chief Administrative Officer

IQAC

Principal

Indore Institute of Science and Technology, Indore

Saturday, December 21, 2024

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2023-24

S. No.	Univ. Subject Code	Subject Name	CO	CO Description	CO Avg	CO Avg	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
			3.6.3.5	Design the structures and support required for compiling advanced language features	0.0		3	3	2	2									3	3	
			CO Average		0.0		0.00	0.00	0.00	0.00									0.00	0.00	
26	IT604	Software Engineering	3.6.4.1	To introduce software development life cycle and various software process models	2.0	0.67	3	2											3	2	
			3.6.4.2	To introduce measures and metrics for software quality, reliability and software estimation techniques	0.6	0.21	2	1	2	3									2	3	
			3.6.4.3	To develop an understanding of software analysis and design phases	1.4	0.46	3	2	1					1	2	1	3		3	3	2
			3.6.4.4	To introduce coding standards, guidelines and various software testing techniques	0.9	0.30	3	1		2			1	1	3	2	3	1	3	3	3
			3.6.4.5	To introduce various activities for software maintenance and quality assurance	2.1	0.69	2		1	3						2	1	2	2	3	2
			CO Average		1.4	0.47	1.40	1.39	1.18	1.24			0.89	1.13	1.08	1.46	1.26	1.67	1.40	1.35	1.36
27	IT605	Programming in Python	3.6.5.1	Student should be able to understand the basic concepts scripting and the contributions of scripting language	2.5	0.85	1	3											1	3	
			3.6.5.2	Examine the core data structures like lists, dictionaries, tuples and sets in Python to store, process and sort the data.	2.7	0.91	3	3		1						1			3	3	1
			3.6.5.3	Identify the external modules and import specific methods form them	2.5	0.84	2	2		3									2	3	
			3.6.5.4	Create, run and manipulate Python Programs using core data structures like Lists, Dictionaries and use Regular Expressions	2.5	0.85	3	1	2	3				1	2	1	3		3	3	2
			3.6.5.5	Interpret the concepts of GUI and WEB Programming as used in Python	1.4	0.48	2	2	1	2					1		1		2	2	1
			CO Average		2.4	0.78	2.39	2.39	2.17	2.31				1.99	2.54	2.24	2.54		2.39	2.42	2.31
28	IT606	Android Programming	3.6.6.1	Experiment on Integrated Development Environment for Android Application Development.	2.2	0.72	2	1	3	3			1	2	1		2		2	3	2
			3.6.6.2	Design and Implement User Interfaces and Layouts of Android App.	2.1	0.70	3	1	2						2		3	1	3	3	2
			3.6.6.3	Use Intents for activity and broadcasting data in Android App.	2.1	0.70	3	2	2	3					3	1	2	1	3	3	3
			3.6.6.4	Design and Implement Database Application and Content Providers	2.2	0.72	2	1	2	2									2	2	
			3.6.6.5	Inspect and Utilize Camera and Location Based service and develop Android App with Security features	1.6	0.54															
			CO Average		2.0	0.67	2.12	1.25	2.13	2.67			2.16	2.00	2.11	1.00	2.12	1.00	2.12	2.75	2.12
29	CS608	Minor Project II	3.6.8.1	A fully engaged student shall be able to get exposure to undertake a short research project.	2.8	0.94	3	1	2	1	1				2	1	2	2	3	2	1
			3.6.8.2	To enable the students to develop comprehensive solution of identified problems.	2.8	0.94	3	2	2	3	2				1		3	2	3	1	1
			3.6.8.3	To inculcate the ability to synthesize the results of the detailed analytical studies conducted, lay down validity and design criteria, interpret the result for application to the problem, develop the concept and detailed design solution.	2.9	0.95	3	3	2	3	3	1			2	2	2	2	3	1	2
			CO Average		2.8	0.94	2.83	2.84	2.83	2.83	2.84	2.85			2.83	2.84	2.83	2.83	2.83	2.83	2.84

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
ACADEMIC YEAR 2023-24

S. No.	Univ. Subject Code	Subject Name	CO	CO Description	CO Avg	CO Avg	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
30	CS701	Soft Computing	4.7.1.1	Students will be able to get knowledge in soft computing vs. hard computing. Artificial Intelligence : Introduction, Various types of production systems, characteristics of production systems.	1.8	0.60	3	1		2									3	2	
			4.7.1.2	Students will be able to explore advance concepts in Neural Networks, Learning Process and Learning Task, Supervised Learning – Single and Multi Layer Network, Associative Memory, Self organizing Maps, Neuro-Dynamics, Hopfield Network	1.6	0.52	2	1											2	1	
			4.7.1.3	Students will learn Fuzzy Logic and Systems Fuzzy Sets and Membership Functions, Operations on Fuzzy Sets, Fuzzification, Fuzzy Numbers- Uncertain Fuzzy Values, Fuzzy Numbers and its L-R representation, Operations on Fuzzy Numbers, Fuzzy Relations, Fuzzy Inference Systems- Architecture of Fuzzy Inference System, Fuzzy Inference Rules and Reasoning, Defuzzification, Applications of Fuzzy Logic.	1.9	0.63	3	2									1	2	3	2	1
			4.7.1.4	Students will be able to learn Genetic algorithms and evolutionary computation, Applications of Genetic Algorithms & Hybrid Systems	1.6	0.55	3			3					1	1	2	1	3	3	1
			4.7.1.5	Describe software architecture documentation.	1.3	0.44	3	1	2	3					3		3	1	3	3	3
			CO Average		1.6	0.55	1.65	1.69	1.33	1.56					1.41	1.77	1.58	1.49	1.65	1.62	1.50
31	CS702	Cloud Computing	4.7.2.1	Explain the core concepts of the cloud computing paradigm	2.1	0.71	3	1		2					2	1	3	1	3	3	2
			4.7.2.2	Demonstrate knowledge of virtualization	2.4	0.81	3	2		1					2	2	2	3	3	2	2
			4.7.2.3	Explain the core issues of cloud computing such as security, privacy, and interoperability	2.0	0.66	3	3		2					1		3		3	3	1
			4.7.2.4	Choose the appropriate technologies, algorithms, and approaches for the related issues	2.2	0.72	2	1		2	1					1	2	1	2	2	1
			4.7.2.5	Identify problems, and explain, analyze, and evaluate various cloud computing solutions	2.5	0.83	3	2	2	2	1				3	2	3	2	3	3	3
			CO Average		2.2	0.75	2.24	2.23	2.50	2.22	2.33				2.32	2.32	2.23	2.36	2.24	2.23	2.31
32	CS703	Internet of Things	4.7.3.1	Explain what Internet of Things is.	1.8	0.60	3	1		2	3				2		1		3	3	2
			4.7.3.2	Describe key technologies in Internet of Things and RFID.	1.6	0.52	3	2	3	1					1	1	3	1	3	3	1
			4.7.3.3	Understand Principles for Web Connectivity and Communication Protocols	1.9	0.63	2	3		2					1	2	3		2	3	2
			4.7.3.4	Explain Wireless Sensor Network Technology and Sensor data Communication Protocols.	1.6	0.55	3	2		3					2	1	2		3	3	2
			4.7.3.5	Understand smart city streetlights control & monitoring and Business models for the Internet of Things	1.3	0.44	3	1		2							3	1	3	3	
			CO Average		1.6	0.55	1.62	1.69	1.55	1.65	1.79				1.72	1.74	1.62	1.44	1.62	1.64	1.74
			4.7.4.1	Configure various virtualization tools such as Virtualbox, VMware workstation	3.0	1.00	3		1	3									3	3	
			4.7.4.2	Design and deploy a web application in a PaaS environment	3.0	0.99	3		3	2	2				2		3	1	3	3	2

For IIST/ IIP/ IIMR — Admin

Chief Administrative Officer

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Saturday, December 21, 2024
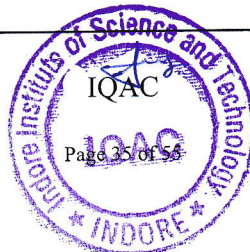
INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2023-24

S. No.	Univ. Subject Code	Subject Name	CO	CO Description	CO Avg	CO Avg	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
33	1T704	Departmental Elective Lab Cloud Computing	4.7.4.3	Learn how to simulate a cloud environment to implement new schedulers.	3.0	0.99	3			3	1				1		2		3	3	1
			4.7.4.4	Install and use a generic cloud environment that can be used as a private cloud.	3.0	0.99	3			3	2				2	1	2		3	3	2
			4.7.4.5	Manipulate large data sets in a parallel environment.	2.4	0.78	3	1	2	3	2				1	1	3		3	3	1
			CO Average		2.9	0.95	2.86	2.35	2.77	2.85	2.80				2.87	2.66	2.79	2.98	2.86	2.86	2.87
34	1T705	Open Elective Lab IOT	4.7.5.1	Explain what Internet of Things is.	2.2	0.72	3	2	2	3	1			2	3	2	3	1	3	2	1
			4.7.5.2	Describe key technologies in Internet of Things and RFID.	2.1	0.71	3	2	3	3	2	2		1	3	2	2	3	3	2	3
			4.7.5.3	Understand Principles for Web Connectivity and Communication Protocols	2.1	0.70	3	2	1	2	2				3	1	2	2	3	1	2
			4.7.5.4	Explain Wireless Sensor Network Technology and Sensor data Communication Protocols.	2.2	0.73	3	1	2	3	2	1		2	2	2	1	2	3	2	2
			4.7.5.5	Understand smart city streetlights control & monitoring and Business models for the Internet of Things	1.7	0.55	3	1	3	3	3	1		1	3	2	3	3	3	2	3
			CO Average		2.0	0.68	2.05	2.08	2.01	2.04	1.99	2.02		2.08	2.04	2.04	2.01	2.01	2.05	2.04	2.01
35	1T706	Major Project-I	4.7.6.1	Demonstrate a sound technical knowledge of their selected project topic.	2.9	0.95	2	3				3							3	3	3
			4.7.6.2	Undertake problem identification, formulation and solution.	2.8	0.93	2	3	3	3	3	3	2						3	3	3
			4.7.6.3	Design engineering solutions to complex problems utilising a systems approach.	2.9	0.95	2	3	3	2	2	3	2				3		3	3	3
			4.7.6.4	Communicate with engineers and the community at large in written and oral forms.	2.9	0.95										3		3			
			4.7.6.5	Demonstrate the knowledge, skills and attitudes of a professional engineer.	2.9	0.95								3	3			3			
			CO Average		2.9	0.95	2.83	2.83	2.82	2.81	2.81	2.83	2.82	2.85	2.85	2.85	2.85	2.84	2.83	2.83	2.83
36	1T607	Evaluation of Internship -III	4.7.6.1	Demonstrate awareness of the ethics involved in doing an internship .	2.9	0.98	3	1								2		2	3		
			4.7.6.2	Describe, analyze, and synthesize their learning experience in the internship in the form of an internship paper	2.9	0.96	3	2			1					2		1	3	1	
			4.7.6.3	Articulate new learning from the internship experience in the form of an oral presentation;	2.9	0.98	3				1								3	1	
			4.7.6.4	Show understanding and assess the challenges carrying out an internship in a cross cultural setting with limited language skills and in a short timeframe;	2.9	0.98	3	2			1					2		1	3	2	
			4.7.6.5	Gain meaningful and practical experience in their chosen field.	2.9	0.98	3	2								2	3	3	3	2	1
			CO Average		2.9	0.98	2.93	2.92			2.92					2.92	2.94	2.93	2.94	2.93	2.94
			4.8.1.1	Understand key terms and concepts in information security and Cryptography and evaluate the cyber security needs of an organization	2.3	0.75	3	2						1	2		3		3	3	2
			4.8.1.2	Acquire knowledge to secure computer systems, protect personal data, and secure computer networks in an organization	1.7	0.55	3	1			1				3	2	3		3	3	3

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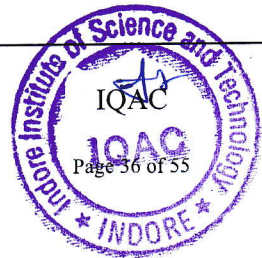Indore Institute of Science and Technology, Indore
Saturday, December 21, 2024

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INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY																					
DEPARTMENT OF INFORMATION TECHNOLOGY																					
ACADEMIC YEAR 2023-24																					
S. No.	Univ. Subject Code	Subject Name	CO	CO Description	CO Avg	CO Avg	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
37	IT 801	Information Security	4.8.1.3	Apply knowledge of various encryption algorithms and authentication mechanisms to secure information in computer systems and networks	2.4	0.81	3	3		2					3		2		3	3	3
			4.8.1.4	Understand principles of web security to secure network by monitoring and analyzing the nature of attacks and design/develop security architecture for an organization.	2.9	0.97	3	2	2	2				1	2	1	3		3	3	2
			4.8.1.5	Design operational and strategic information security strategies and policies.	2.5	0.83	3	1	3										3	3	
			CO Average		2.3	0.78	2.35	2.42	2.66	2.47				2.58	2.26	2.07	2.30		2.35	2.35	2.26
38	IT802	Machine Learning	4.8.2.1	Recognize the characteristics of machine learning strategies.	2.5	0.83	3	2											3	2	
			4.8.2.2	Apply various supervised learning methods to appropriate problems.	2.8	0.92	3	1		2					2		3	2	3	3	2
			4.8.2.3	Identify and integrate more than one technique to enhance the performance of learning.	2.7	0.90	3	1		3					1	1	1		3	3	1
			4.8.2.4	Create probabilistic and unsupervised learning models for handling unknown pattern.	2.5	0.82	3	2	3	1					2		2		3	3	2
			4.8.2.5	Analyze the co-occurrence of data to find interesting frequent patterns and Preprocess the data before applying to any real-world problem and can evaluate its performance	2.6	0.85	3	3		2	2				3		2	2	3	3	3
			CO Average		2.6	0.86	2.59	2.56	2.46	2.65	2.55				2.60	2.70	2.63	2.66	2.59	2.60	2.60
39	IT803	Parallel Computing	4.8.3.1	To develop an understanding of various basic concepts associated with parallel computing environments	2.5	0.84		3	1	3	3				2		2		3	3	2
			4.8.3.2	Understand, appreciate and apply parallel and distributed algorithms in problem solving	1.8	0.61		3		3					2				1	2	
			4.8.3.3	Acquire skills to measure the performance of parallel and distributed programs	2.1	0.69		3		3					1				3	1	2
			4.8.3.4	Design parallel programs to enhance machine performance in parallel hardware environment	0.1	0.04													1	3	
			4.8.3.5	Design and implement parallel programs in modern environments such as CUDA, OpenMP, etc	0.5	0.16	1						1				1		2	2	3
			CO Average		1.4	0.47	0.48	2.14	2.52	2.14	2.52		0.48		2.15		2.52	0.48	1.67	1.33	1.52
40	IT804	Machine Learning Lab	4.8.4.1	Recognize the characteristics of machine learning strategies	2.8	0.94	3	2											3	2	
			4.8.4.2	Apply various supervised learning methods to appropriate problems.	2.5	0.82	3	1		2					2		3	2	3	3	2
			4.8.4.3	Identify and integrate more than one technique to enhance the performance of learning.	2.4	0.81	3	1		3					1	1	1		3	3	1
			4.8.4.4	Create probabilistic and unsupervised learning models for handling unknown pattern.	2.6	0.85	3	2	3	1					2		2		3	3	2
			4.8.4.5	Analyze the co-occurrence of data to find interesting frequent patterns and Preprocess the data before applying to any real-world problem and can evaluate its performance	1.9	0.62	3	3		2	2				3		2	2	3	3	3
			CO Average		2.4	0.81	2.42	2.36	2.55	2.31	1.86				2.25	2.43	2.33	2.16	2.42	2.40	2.25
			4.8.5.1	Learn about different software development process models and software engineering principles and develop an ability to apply them to software design of real life problems.	2.9	0.98	3	2	2	3	1			2	3	2	3	1	3	2	1

For IIST/ IIP/ IIMR

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INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2023-24

S. No.	Univ. Subject Code	Subject Name	CO	CO Description	CO Avg	CO Avg	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
41	1T805	Major Project-II	4.8.5.2	Plan, analyze, design and implement a software project using programming languages like Java, ASP, PHP etc.	3.0	0.99	3	2	3	3	2	2		1	3	2	2	3	3	2	3
			4.8.5.3	Gain confidence at having conceptualized, designed and implemented a working major project with their team.	3.0	1.00	3	2	1	2	2				3	1	2	2	3	1	2
			4.8.5.4	Understand the fundamental principles of Software Project management & will also have a good knowledge of responsibilities of project manager and how to handle these.	2.9	0.97	3	1	2	3	2	1		2	2	2	1	2	3	2	2
			4.8.5.5	Be familiar with the different methods and techniques used for project management.	2.9	0.96	3	1	3	3	3	1		1	3	2	3	3	3	2	3
			CO Average		2.4	0.81	2.94	2.95	2.93	2.94	2.93	2.93		2.93	2.94	2.93	2.94	2.94	2.94	2.93	2.94
	Direct Assessment		PO / PSO Avgerage		2.1		1.70	1.67	1.70	1.63	2.16	2.18	1.98	2.15	2.14	2.20	2.13	2.11	1.72	1.71	1.57
			PO / PSO %		0.7		0.57	0.56	0.57	0.54	0.72	0.73	0.66	0.72	0.71	0.73	0.71	0.70	0.57	0.57	0.52

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Saturday, December 14, 2024

G. Sample of Indirect Attainment B.Tech. Electronics and Communication Engineering Semester / Course End Survey including Curriculum Feedback EC 2023-2024 form First Semester 2023-2024

H. Sample Consolidated Semester / Course End Survey including Curriculum Feedback EC 2023-2024 response

S. No	Question	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem
1	Ability to participate as members of multidisciplinary design teams along with mechanical, electrical, Computer Science and other engineers	69.8	78.43	80.46	79.69	82.94	82.94	80	66.67
2	Assessment and marking have been fair	72.94	81.96	81.22	80.41	84.12	78.82	83.03	69.09
3	Awareness to apply engineering solutions in global, national, and societal contexts	69.41	79.22	80.05	79.08	82.35	81.76	80.61	68.48
4	Broadly educated and will have an understanding of ethical responsibilities	69.41	79.61	79.59	79.8	81.18	82.35	78.79	67.88
5	Capable of self-education and clearly understand the value of updating their professional knowledge to engage in life - long learning.	66.27	81.18	78.37	79.59	78.82	82.35	83.64	67.27
6	Course outcomes are clear in most courses.	70.59	80	81.53	78.98	82.94	81.76	77.58	70.3
7	Define the problems and provide solutions by designing and conducting experiments, interpreting and analyzing data, and reporting the results	72.16	83.14	78.98	80.71	75.29	81.18	80.61	69.7
8	Demonstrate basic knowledge in mathematics, science, engineering, and humanities.	74.12	80.39	79.34	78.93	78.24	81.18	79.39	71.52

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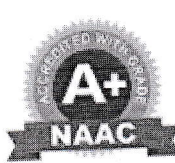
S. No	Question	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem
9	Demonstrate the ability to apply advanced technologies to solve contemporary and new problems.	65.49	80.78	79.8	80.1	78.24	80.59	78.18	70.91
10	Demonstrate the ability to choose and apply appropriate resource management techniques	67.06	81.57	80.15	78.93	83.53	85.88	80	67.88
11	Demonstrate the ability to design Electronics & Communication Engineering systems	69.41	78.43	80.05	80.66	80.59	78.24	81.82	68.48
12	Faculty has made the subject interesting	72.55	79.22	79.9	79.64	81.18	77.65	75.15	73.33
13	Faculty is enthusiastic about what is taught	73.33	80.39	79.9	81.38	82.35	82.35	76.36	71.52
14	Faculty is good at explaining things	74.51	80	79.8	79.23	77.65	82.35	75.15	74.55
15	I have been able to contact faculty when I needed to	78.04	79.22	80.82	81.17	78.82	80.59	79.39	72.12
16	Identify, formulate and solve complex problems in the domains of analog/digital design, signal processing and communication engineering, reaching substantiated conclusions	69.41	78.43	81.58	80.51	80	82.94	81.82	66.67
17	Overall I am satisfied with the quality of the course	74.51	83.53	79.8	79.54	81.76	82.35	84.24	70.91
18	Overall rating of the program	70.98	84.31	79.18	81.28	78.24	80.59	82.42	77.58
19	Proficient in English language in both communicative and technical forms	66.67	83.14	79.95	80.61	80	77.65	83.03	68.48
20	Rate how challenging was the syllabus offered by the courses	67.84	85.1	80.26	79.49	80.59	78.24	76.97	67.88
21	Rate the adequateness of the textbooks and reference books mentioned for the courses	67.06	77.25	78.83	80.26	77.65	77.06	78.79	69.7
22	Rate the appropriateness of the sequence of the courses provided in the curriculum	63.92	80.39	81.94	79.29	85.88	80.59	80.61	70.91
23	Rate the depth of the syllabus of the courses in relation to the competencies expected by industry/ current global scenario.	64.31	79.22	78.98	80.46	78.24	75.29	81.82	70.3
24	Rate the design of the courses in terms of Training & Placement.	63.53	77.65	79.9	80.05	81.76	76.47	78.18	72.73
25	Rate the flexibility in choosing the electives in relation to technology advancements	64.31	81.57	81.22	79.59	81.18	79.41	83.03	72.12
26	Rate the percentage of learning ICT and Communication skills through courses offering	61.18	82.35	79.8	78.83	82.35	83.53	78.79	73.33
27	Rate the sequence of units/ modules in the courses in terms of Minor / Major projects.	65.49	80	80.41	80.2	78.24	75.88	80	67.88
28	Select and apply necessary modern electronic instruments with an understanding of their limitations.	69.8	79.22	80.56	78.93	78.82	75.88	83.64	72.12

For IIST/ IIP/ IIMR
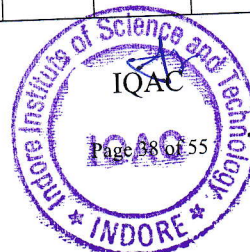
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Saturday, December 21, 2024

S. No	Question	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem
29	The criteria used in assessment have been clearly stated in advance	68.63	76.47	78.93	79.23	75.29	80	83.64	70.91

I. Sample B.Tech. EC Program End Survey |Program Feedback Report 2023-2024

J. Sample Response 2023-2024

SNo	Question	Feedback
1	Ability to work in groups on projects and earn leadership skills through this program	76.57
2	Ability to work in groups on projects and earn leadership skills through this program	71.43
3	Able to work in multi-disciplinary environment.	70.29
4	Assistance from most faculty outside of class	68
5	Awareness to apply engineering solutions in global, national, and societal contexts	65.14
6	Being informed about things in the department	68
7	Can you able to manage projects by applying gained knowledge	69.14
8	Capable of self-education and clearly understand the value of updating their professional knowledge to engage in life -long learning	67.43
9	Communication skills and Writing skills	65.14
10	Communication skills and Writing skills	67.43
11	Course outcomes are clear in most courses	66.86

For IIST/ IIP/ IIMR
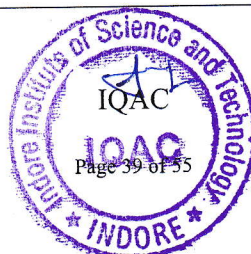
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SNo	Question	Feedback
12	Develop analytical skills	68
13	Faculties are available when I need them	70.29
14	Faculties are good at explaining things	68.57
15	Faculties treat students with respect.	66.29
16	How helpful and accurate the career counselling is in your programme?	66.86
17	How interesting the teaching is in most subjects in your programme?	70.29
18	I actively participate in most class discussions	70.29
19	I am motivated to learn course materials	70.86
20	I can be able to apply advanced technologies to solve problems.	69.14
21	I can be able to design and conduct experiments for define the problems and provide solutions.	70.86
22	I can be able to design Electronics & Communication Engineering systems	71.43
23	I can be able to design Electronics and Communication Engineering systems	69.71
24	I have basic knowledge in mathematics, science, engineering, and humanities.	70.29
25	I show respectful behaviour toward faculty and other students in most of my classes and understanding of ethical responsibilities	72.57
26	I show respectful behaviour toward faculty and other students in most of my classes and understanding of ethical responsibilities	70.86
27	I usually attend my classes	70.29
28	Library access to reading materials	70.86

K. Sample Parents Survey B.Tech. EC Feedback Report 2023-2024

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY , INDORE

PARENTS WISE FEED BACK REPORTS

College: IIST
Branch: BTech-EC
Session: 2023-24
[Generate]

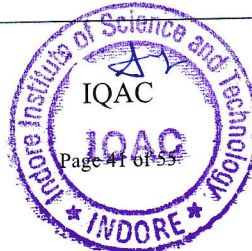| SNo	Question	Feedback
1	Rate your ward on Co-curricular and extra-curricular activities aided in overall grooming and personality development of the student.	89.79
2	Do you Feel Student counseling and mentoring helped in inculcating moral and ethical values among the students.	90.64
3	Rate - Constant communication about your ward academic progress report, discipline and attendance.	89.79
4	Rate Facilities available namely library, hostel facility, Teaching learning process, Administrative help, Examination.	91.06
5	Rate the Quality of Infrastructure facilities namely laboratory, facilitated learning of curriculum-based software development tools.	91.74
6	Rate Workshops, Seminars, Conferences aided the professional development of student (Your Ward).	87.23
7	Rate your ward on Conducive learning environment due to good interaction with the teachers.	88.09

For IIST/ IIP/ HMR
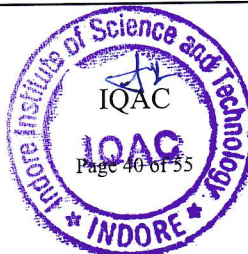
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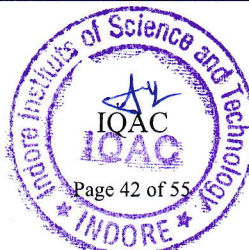
Indore Institute of Science & Technology

L. Sample Parents Survey Response B.Tech. EC 2023-2024

SNo	Question	Feedback
1	Rate your ward on Co-curricular and extra-curricular activities aided in overall grooming and personality development of the student.	89.79
2	Do you Feel Student counselling and mentoring helped in inculcating moral and ethical values among the students.	90.64
3	Rate - Constant communication about your ward academic progress report, discipline and attendance.	89.79
4	Rate Facilities available namely library, hostel facility, Teaching learning process, Administrative help, Examination.	91.06
5	Rate the Quality of Infrastructure facilities namely laboratory, facilitated learning of curriculum-based software development tools.	91.74
6	Rate Workshops, Seminars, Conferences aided the professional development of student (Your Ward).	87.23
7	Rate your ward on Conducive learning environment due to good interaction with the teachers.	88.09

M. Sample Alumni Survey B.Tech. EC Form 2023-2024

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY , INDORE

ALUMNI FEED BACK REPORTS

College: IIST
Branch: BTech-EC
Session: 2023-24
Generate

SNo	Question	Feedback
1	Ability to participate as members of multidisciplinary design teams along with mechanical, electrical, Computer Science and other engineers	90
2	Awareness to apply engineering solutions in global, national, and societal contexts	100
3	Broadly educated and will have an understanding of ethical responsibilities	95
4	Capable of self-education and clearly understand the value of updating their professional knowledge to engage in life -long learning.	85
5	Courses in the program are appropriate in molding the student in a professional and ethical way	80
6	Define the problems and provide solutions by designing and conducting experiments, interpreting and analyzing data, and reporting the results	85
7	Demonstrate basic knowledge in mathematics, science, engineering, and humanities.	85
8	Demonstrate the ability to apply advanced technologies to solve contemporary and new problems.	100
9	Demonstrate the ability to choose and apply appropriate resource management techniques	90
10	Demonstrate the ability to design Electronics & Communication Engineering systems	85
11	How do you rate the academic initiatives taken by the college to bridge the gap between industry & academia?	95
12	How do you rate the relevance of your degree to your present job?	90
13	How would you rate any new skills learnt in the due course of your study?	100
14	How would you rate the course curriculum for fulfilling your expectations?	90
15	How would you rate the curriculum prescribed for your degree during your term in college?	90
16	How would you rate the motivation created by the syllabus to pursue post-graduation / research in the particular topic?	100
17	How would you rate the quality of education imparted in college?	85
18	How would you rate your ability in applying Engineering principles as a member and leader in a team, to manage projects in multidisciplinary environments?	100
19	Identify, formulate and solve complex problems in the domains of analog/digital design, signal processing and communication engineering, reaching substantiated conclusions	90
20	Overall design of the curriculum	100
21	PEO-1 To create the ability to demonstrate technical competence in the fields of electronics and communication engineering and to develop solutions to the problems in core as well as inter disciplinary areas	90

N. Sample Alumni Survey B.Tech. EC 2023-2024 Response

SNo	Question	Feedback
1	Ability to participate as members of multidisciplinary design teams along with mechanical, electrical, Computer Science and other engineers	90
2	Awareness to apply engineering solutions in global, national, and societal contexts	100
3	Broadly educated and will have an understanding of ethical responsibilities	95
4	Capable of self-education and clearly understand the value of updating their professional knowledge to engage in life -long learning.	85

For IAP/ IIP/ IIMR
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SNo	Question	Feedback
5	Courses in the program are appropriate in molding the student in a professional and ethical way	80
6	Define the problems and provide solutions by designing and conducting experiments, interpreting and analyzing data, and reporting the results	85
7	Demonstrate basic knowledge in mathematics, science, engineering, and humanities.	85
8	Demonstrate the ability to apply advanced technologies to solve contemporary and new problems.	100
9	Demonstrate the ability to choose and apply appropriate resource management techniques	90
10	Demonstrate the ability to design Electronics & Communication Engineering systems	85
11	How do you rate the academic initiatives taken by the college to bridge the gap between industry & academia?	95
12	How do you rate the relevance of your degree to your present job?	90
13	How would you rate any new skills learnt in the due course of your study?	100
14	How would you rate the course curriculum for fulfilling your expectations?	90
15	How would you rate the curriculum prescribed for your degree during your term in college?	90
16	How would you rate the motivation created by the syllabus to pursue post-graduation / research in the particular topic?	100
17	How would you rate the quality of education imparted in college?	85
18	How would you rate your ability in applying Engineering principles as a member and leader in a team, to manage projects in multidisciplinary environments?	100
19	Identify, formulate and solve complex problems in the domains of analog/digital design, signal processing and communication engineering, reaching substantiated conclusions	90
20	Overall design of the curriculum	100
21	PEO-1 To create the ability to demonstrate technical competence in the fields of electronics and communication engineering and to develop solutions to the problems in core as well as inter disciplinary areas.	90
22	PEO-2 To develop graduates with sound academic background and industrial exposure this gives them capability to make a productive contribution to society through lifelong learning.	100
23	PEO-3 To develop competent professionals with moral values, ethics to build an efficient team with soft skill capabilities.	95
24	Proficient in English language in both communicative and technical forms	95
25	Select and apply necessary modern electronic instruments with an understanding of their limitations.	95

O. Sample Academic Feedback of EC2023-2024 (From Students for the Teachers)

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Saturday, December 21, 2024

P. Sample Indirect Assessment based of EC on Course, Program, Alumni Feedback on Program Outcome 2023-2024

INDIRECT ASSESSMENT 2023-24												
Type of Feedback	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Course End Survey	77.89	77.67	77.21	77.72	77.37	77.62	76.76	77.32	77.61	77.44	78.13	77.18
Program End Survey	70.29	68	71.43	70.86	70.86	65.14	69.14	70.86	71.43	68	71.43	67.43
Alumni Survey	85	85	90	85	95	80	95	100	90	95	90	85
Average	77.73	76.89	79.55	77.86	81.08	74.25	80.30	82.73	79.68	80.15	79.85	76.54
Indirect Assessment	77.73	76.89	79.55	77.86	81.08	74.25	80.30	82.73	79.68	80.15	79.85	76.54
20% of Indirect Assessment	15.55	15.38	15.91	15.57	16.22	14.85	16.06	16.55	15.94	16.03	15.97	15.31

Q. Sample Action Taken Report EC 2023-2024

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACTION TAKEN REPORT 2023-24

Category	Questions	Action Taken By Department
Semester / Course End Feedback including Curriculum Feedback.	Rate the adequateness of the textbooks and reference books mentioned for the courses	Conducted a review meeting with faculty to evaluate the effectiveness of textbooks and reference materials. Updated reference book lists to include recent editions and industry-relevant materials.
	Rate the sequence of units/ modules in the courses in terms of Minor / Major projects.	Organized workshops to bridge gaps between syllabus units and project expectations.
	Rate the depth of the syllabus of the courses in relation to the competencies expected by industry/ current global scenario.	Incorporated inputs from industry experts to modify SIG course content for better alignment with current global and industrial scenarios.
Program End Survey	Awareness to apply engineering solutions in global, national, and societal contexts	Introduced multidisciplinary project-based learning to address global and societal challenges.
	Communication skills and Writing skills	Added dedicated communication skills workshops and technical writing courses. Scheduled regular assessments and mock presentations to improve student articulation and clarity.
Alumni Survey	Courses in the program are appropriate in molding the student in a professional and ethical way	Conducted ethics seminars with alumni sharing real-world challenges and solutions.
Academic Feedback	Faculty having less than 75 % feedback	HoD and Principal Counselling the such faculty and give warning if repeated and help or guidance them to prepare lectures
Parents Feedback	Rate Workshops, Seminars, Conferences aided the professional development of student (Your Ward).	Mandated a minimum of 2 SIG (Special Interest Group) sessions, 2 webinars, 2 industrial visits, and 2 training programs in the upcoming semester. Scheduled an annual conference for students, focusing on emerging trends and innovations.

For IIST/ IIP/ IIMR
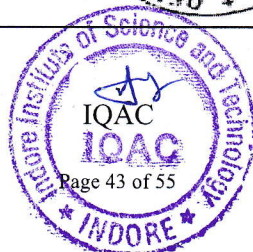
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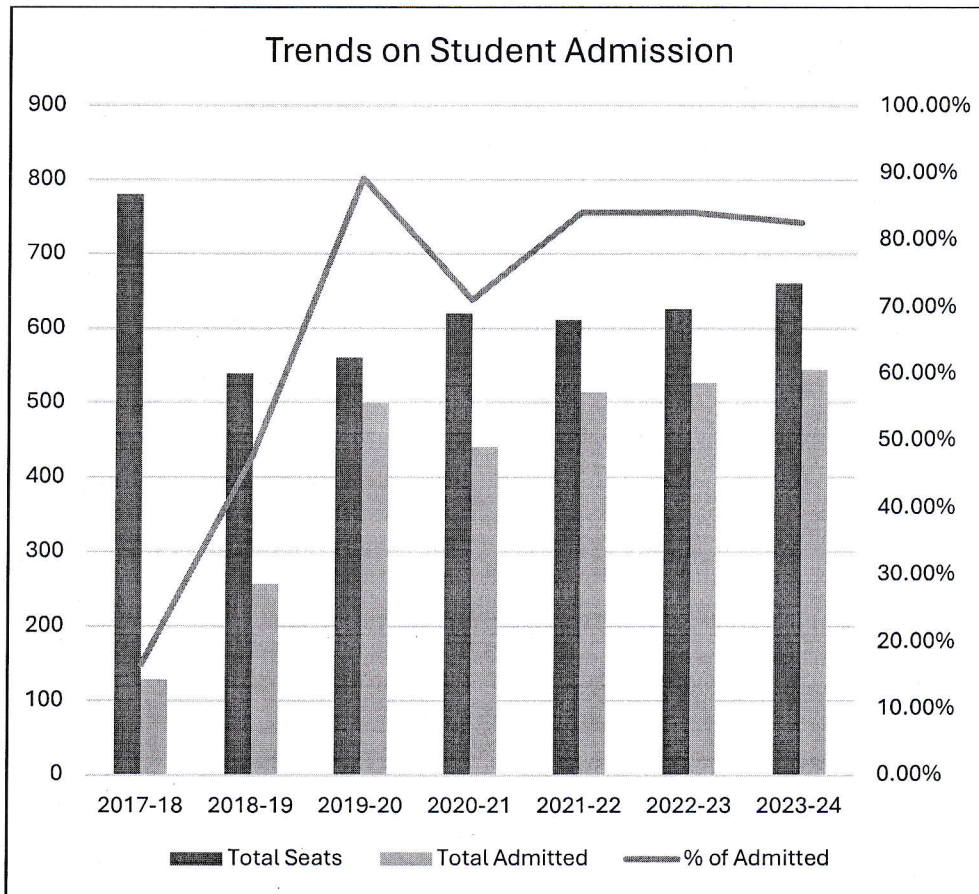
Saturday, December 21, 2024

Approved by AICTE, New Delhi, Affiliated to RGPV, Bhopal, Recognized by UGC under Section 2(f)
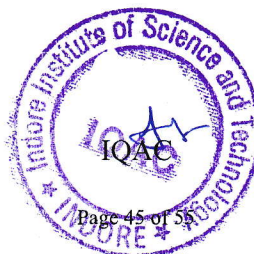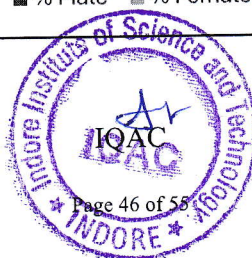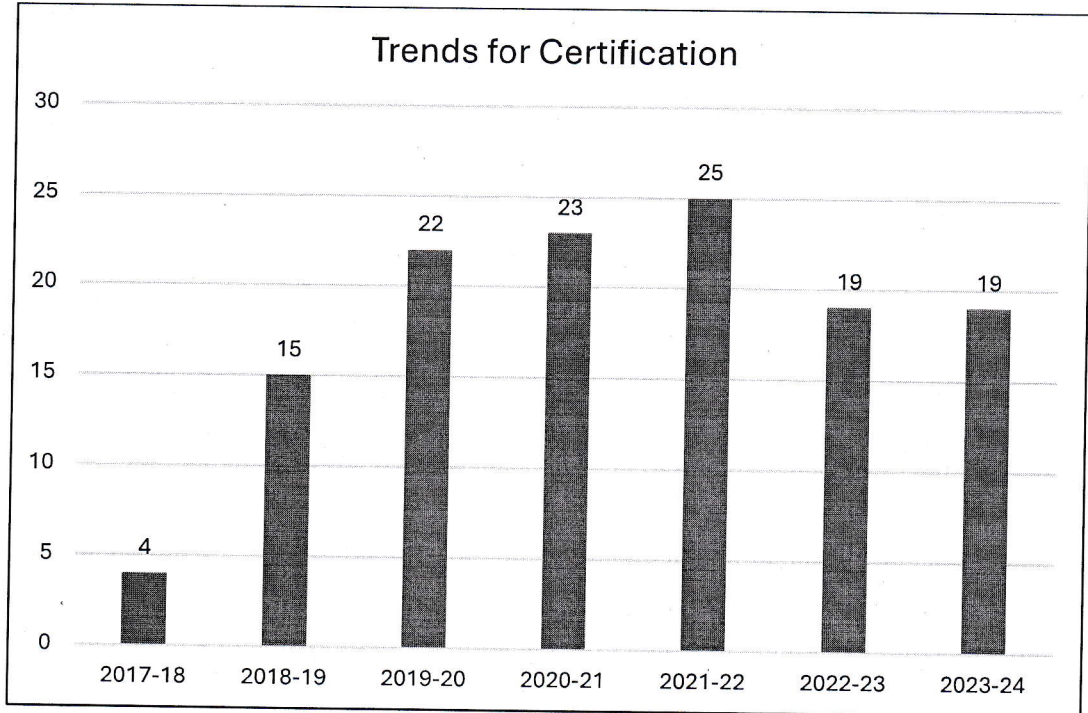
2023-2024

9. Statistics of 2023-2024 showing improvement

A. Continuous Improvement in Admission | No of Students Admitted 2023-2024

Year	Total Seats	Total Admitted	% of Admitted
2017-18	780	129	16.54%
2018-19	540	257	47.59%
2019-20	561	500	89.13%
2020-21	621	441	71.01%
2021-22	612	514	83.99%
2022-23	627	527	84.05%
2023-24	661	545	82.45%

For Admin IIP/IIMR

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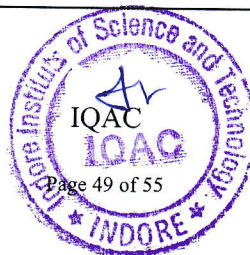B. Gender Wise Student Record

| Year	% Male	% Female
2019-20	80.23%	19.76%
2020-21	80.18%	19.82%
2021-22	77.43%	22.57%
2022-23	74.52%	25.48%
2023-24	76.01%	23.98%
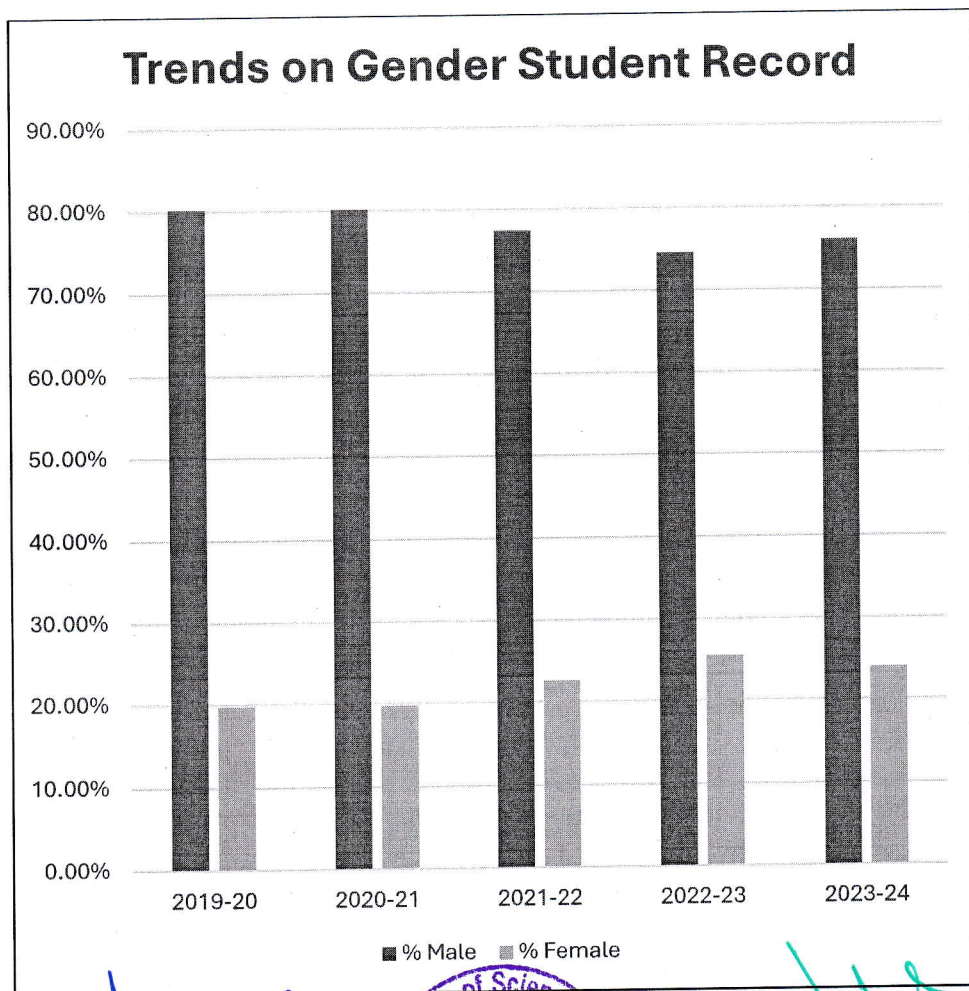
Trends on Gender Student Record

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C. Increase the quality of students based on JEE of the students

Percentile	2021-22	2022-23	2023-2024
90-100	0.48%	0.20%	35.29%
80-90	2.38%	4.88%	47.06%
70-80	8.10%	10.16%	0.00%
60-70	11.43%	10.55%	0.00%
50-60	13.33%	14.06%	0.00%
40-50	18.10%	15.23%	0.00%
30-40	16.67%	16.41%	0.00%
20-30	11.43%	11.52%	0.00%
0-20	18.09%	16.99%	0.00%
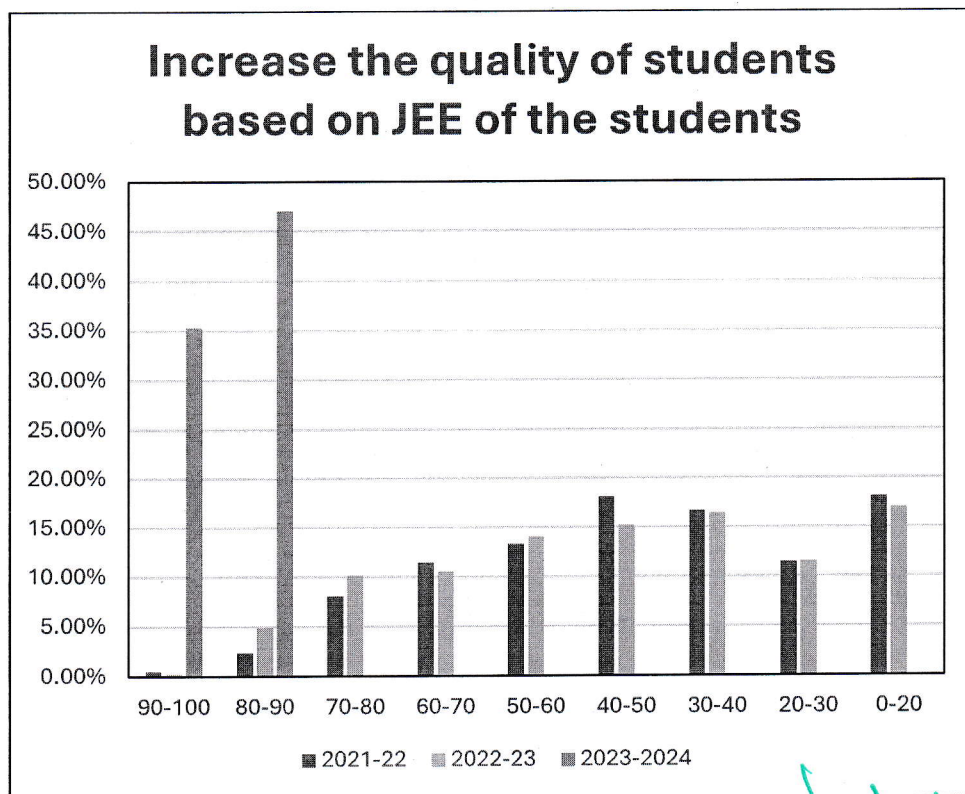
Increase the quality of students based on JEE of the students

For IIST/IIP/IIMR

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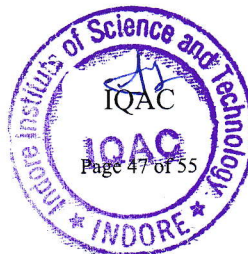
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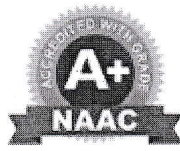
D. Number of seats offered

Trends for Seats offered
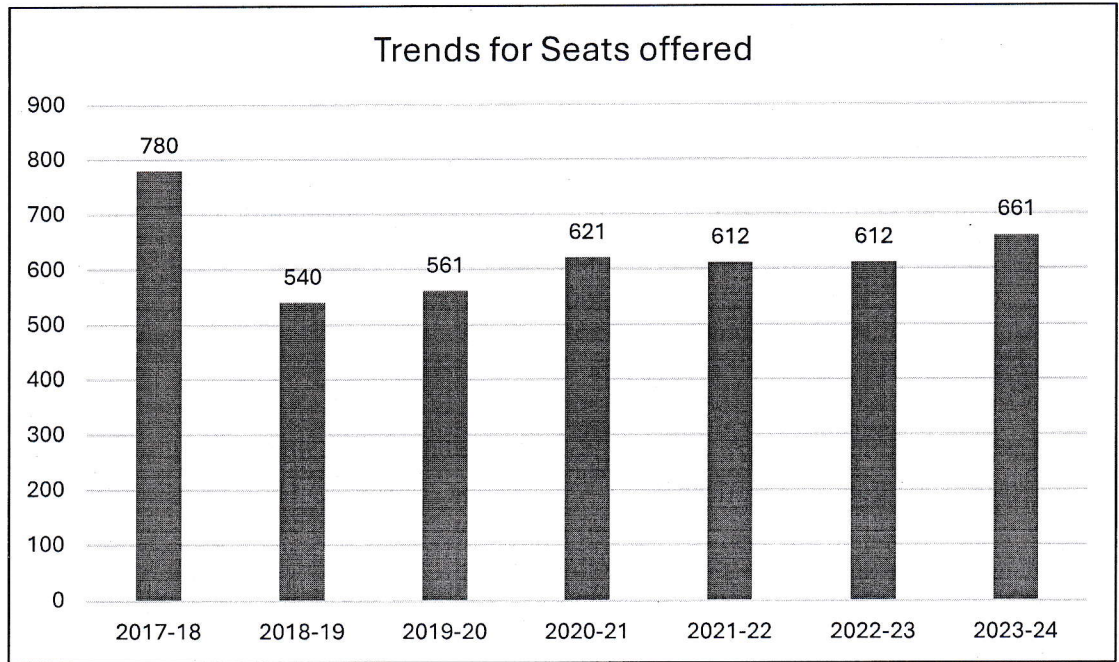
E. Continuous Improvement in Academic Activities

I. Internship
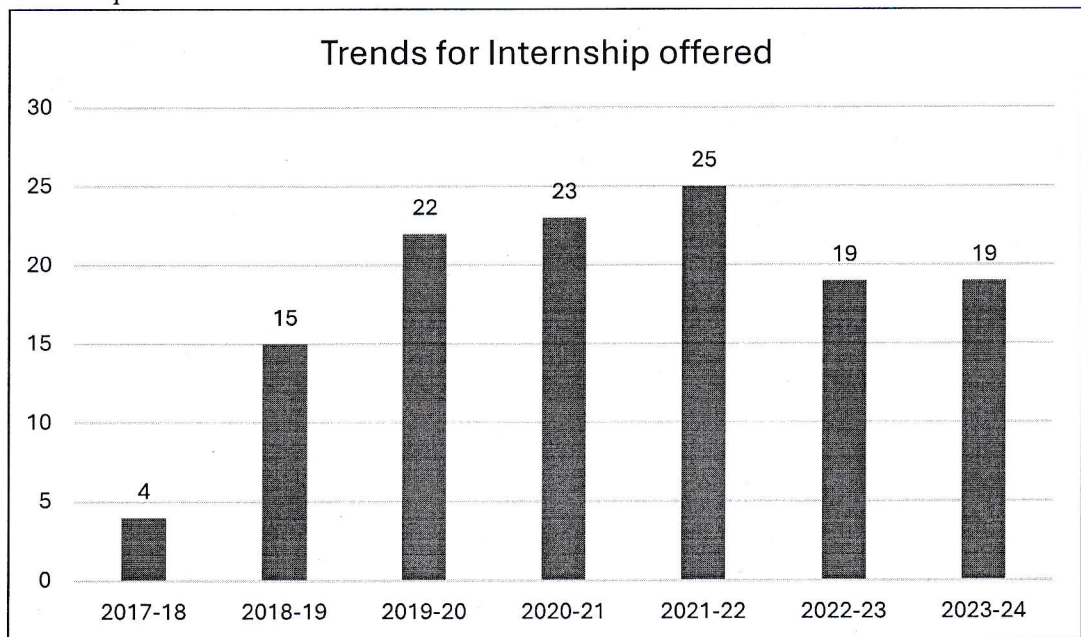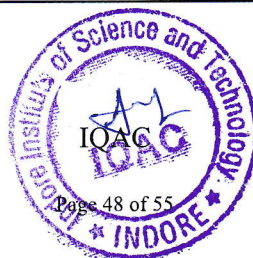
Trends for Internship offered

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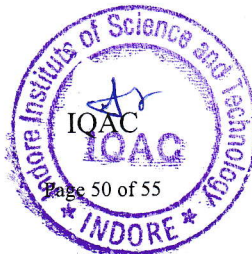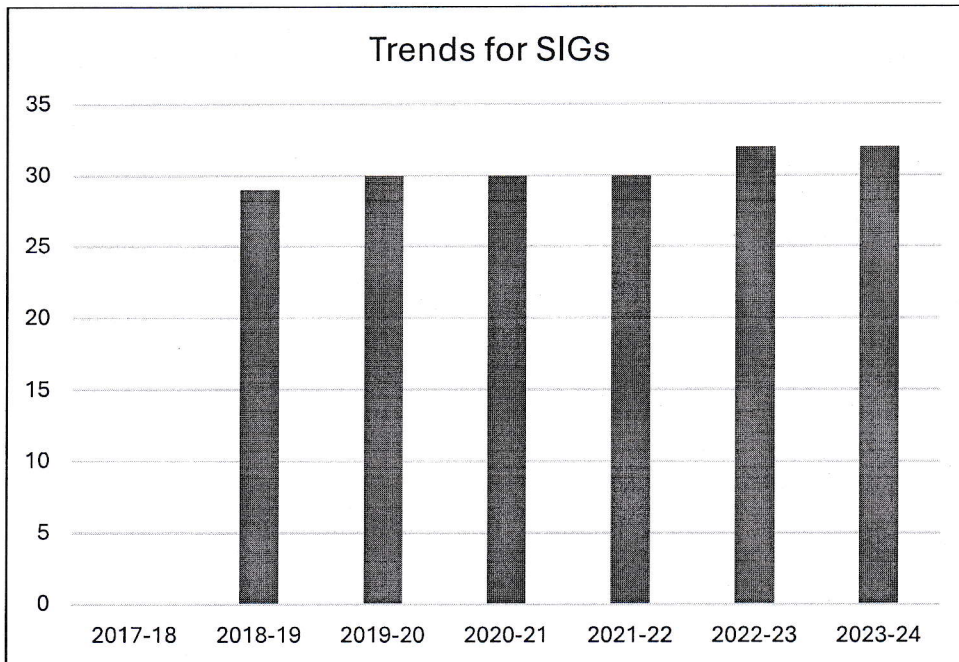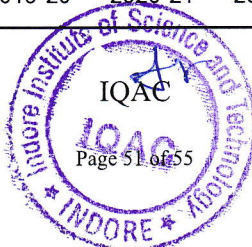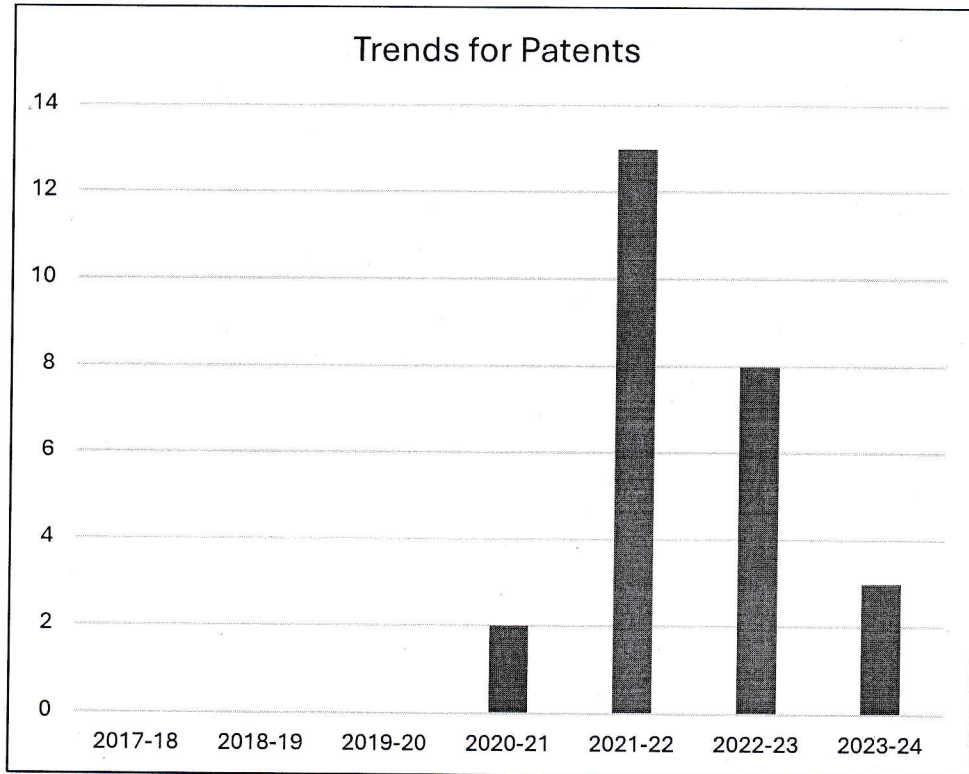
Saturday, December 21, 2024

II. Certificate Course

Trends for Certification

Year	Value
2017-18	4
2018-19	15
2019-20	22
2020-21	23
2021-22	25
2022-23	19
2023-24	19

III. Number of Seminar / Webinar Conducted
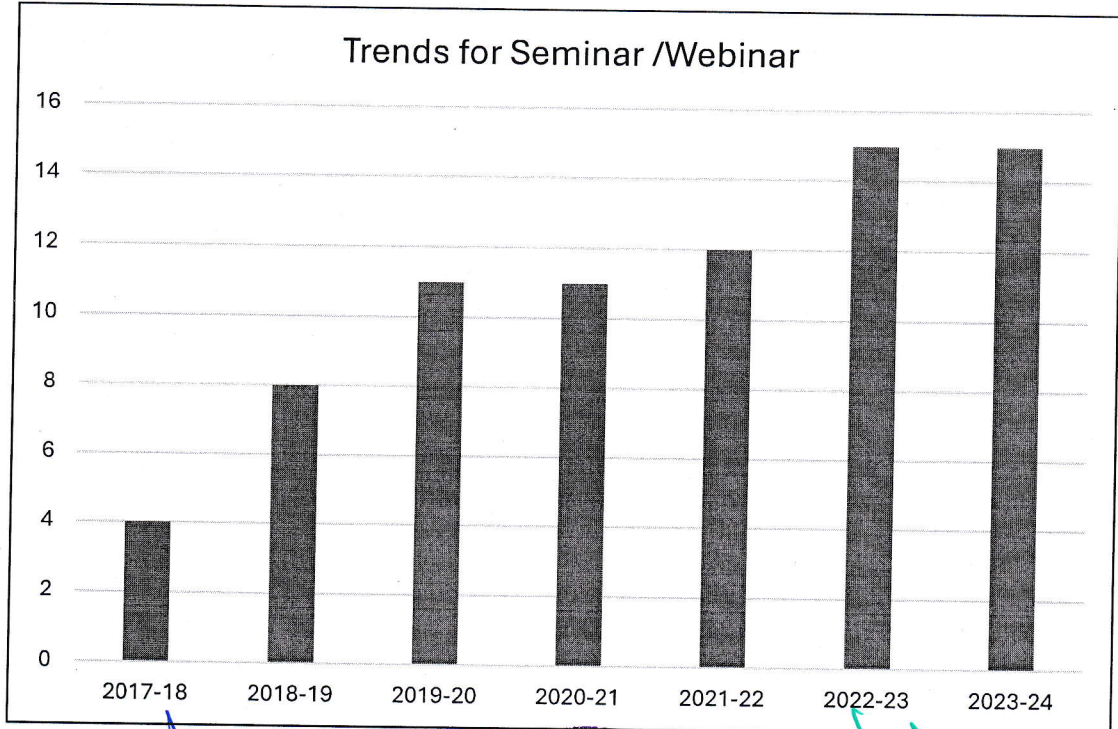
Trends for Seminar /Webinar

Year	Value (approx.)
2017-18	4
2018-19	8
2019-20	11
2020-21	11
2021-22	12
2022-23	14.5
2023-24	14.5

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and Technology

Saturday, December 21, 2024

IV. Number of Workshop / Training Conducted

Trends for Workshop/Training
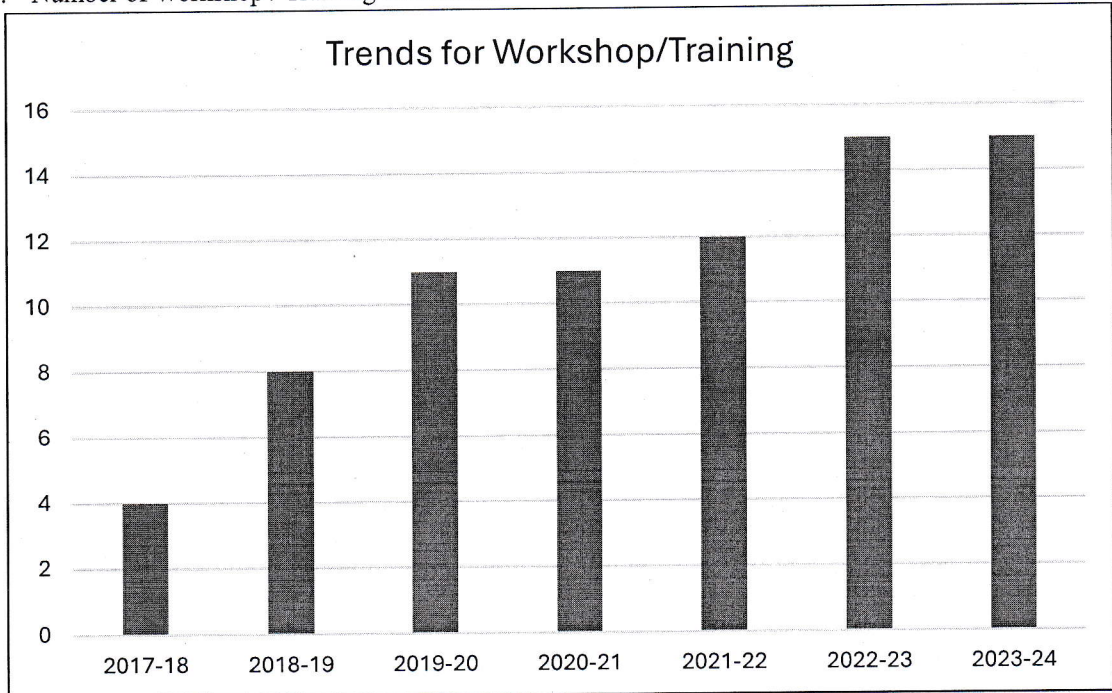
V. Number of Industrial Visit Conducted
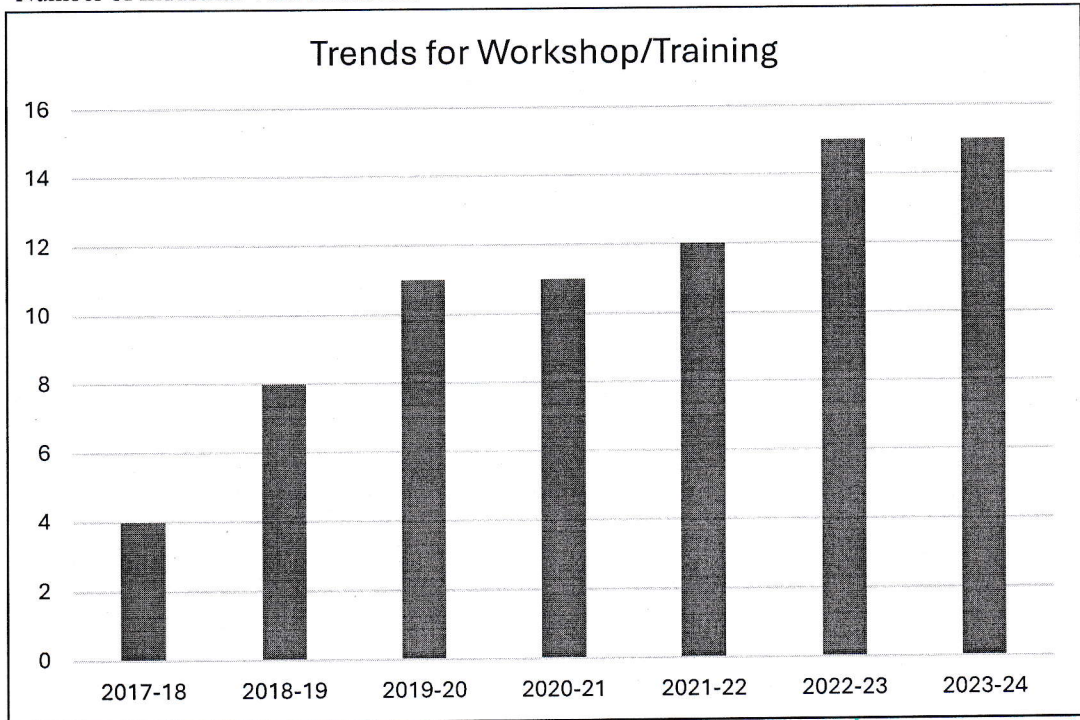
Trends for Workshop/Training
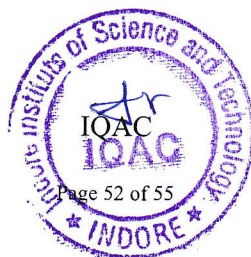

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Saturday, December 21, 2024

VI. Number of SIG's Conducted

Trends for SIGs

VII. Number of MoUs, Association and Collaboration
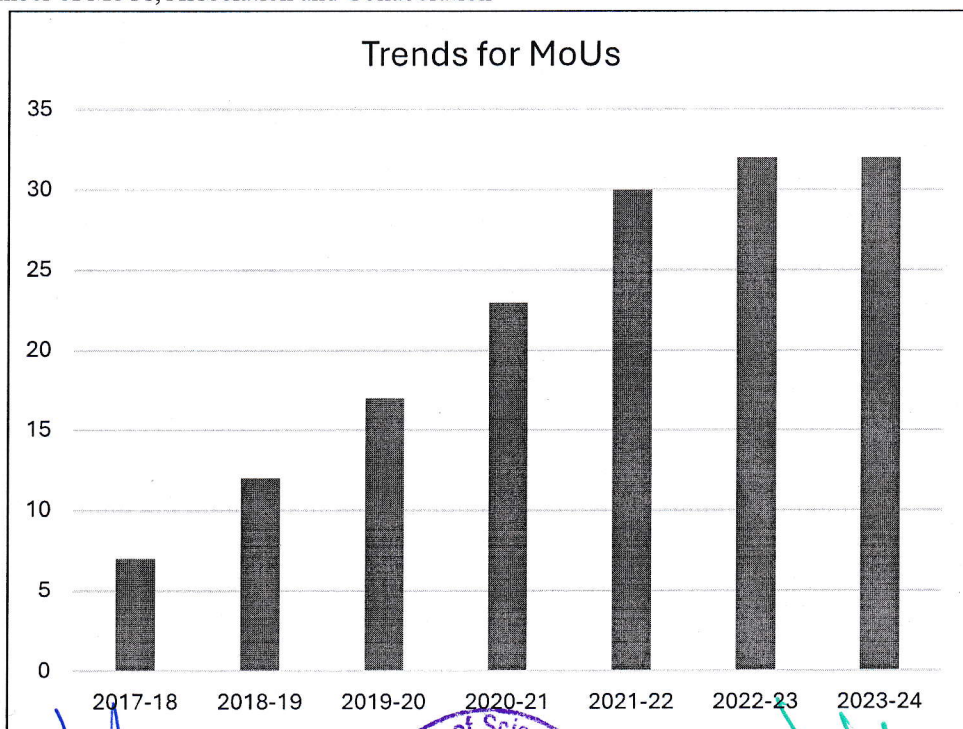
Trends for MoUs

For IIST/ IIP/ IIMR   IQAC   Principal

Chief Administrative Officer   Page 51 of 55   Indore Institute of Science
                                                           and Technology, Indore

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VIII. Number of Patent Submitted

Trends for Patents

IX. Number of Activities conducted related to EDC / IPR / RM
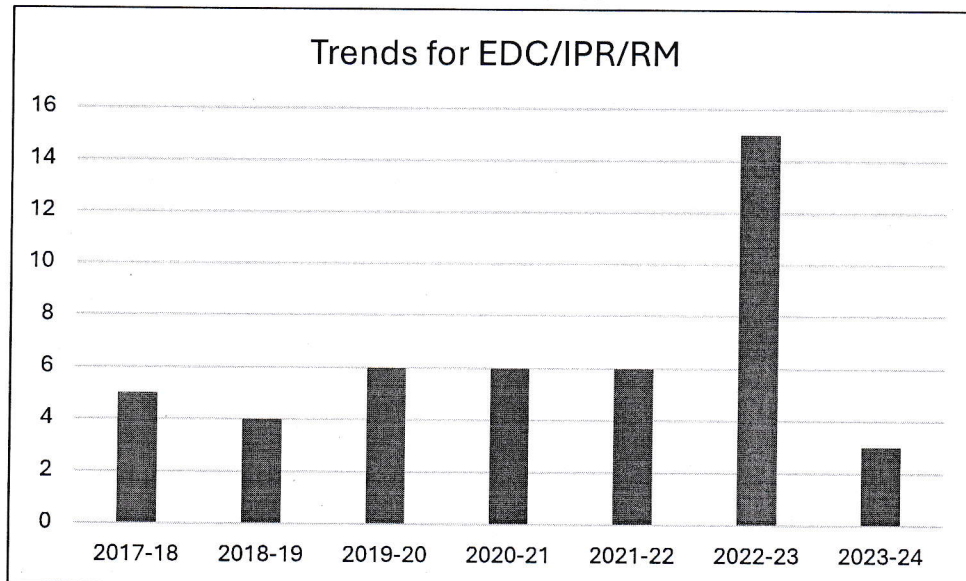
Trends for EDC/IPR/RM

For IIST/ IIP/ IIMR

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Page 52 of 55
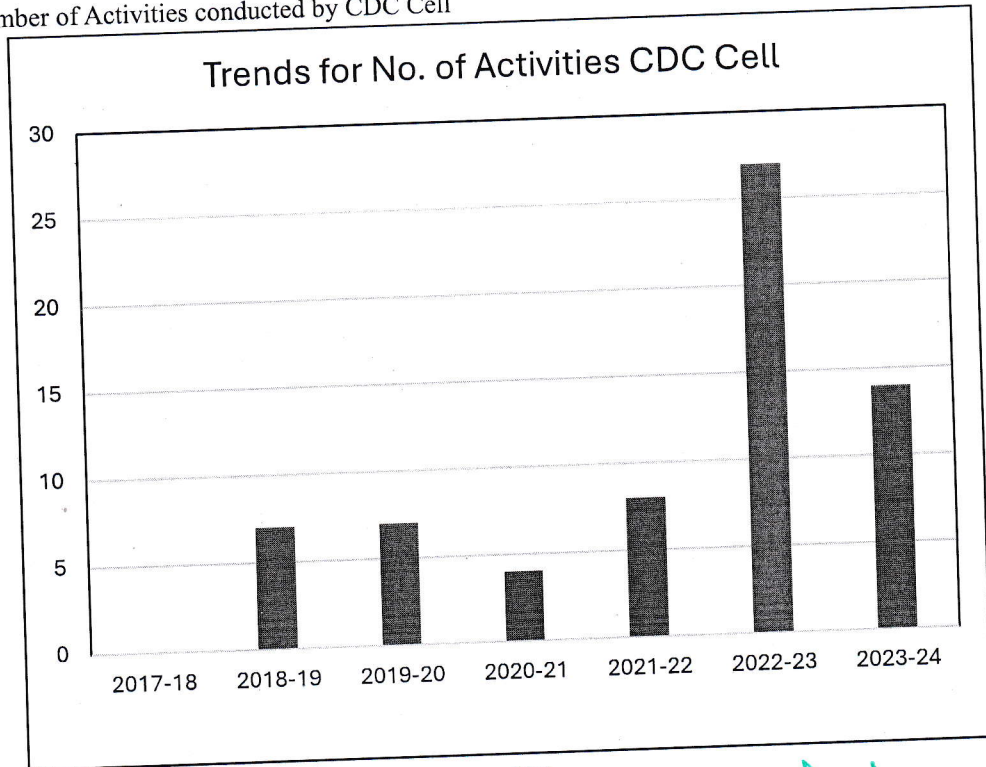
Principal

Indore Institute of Science
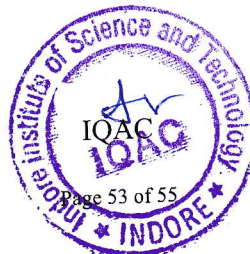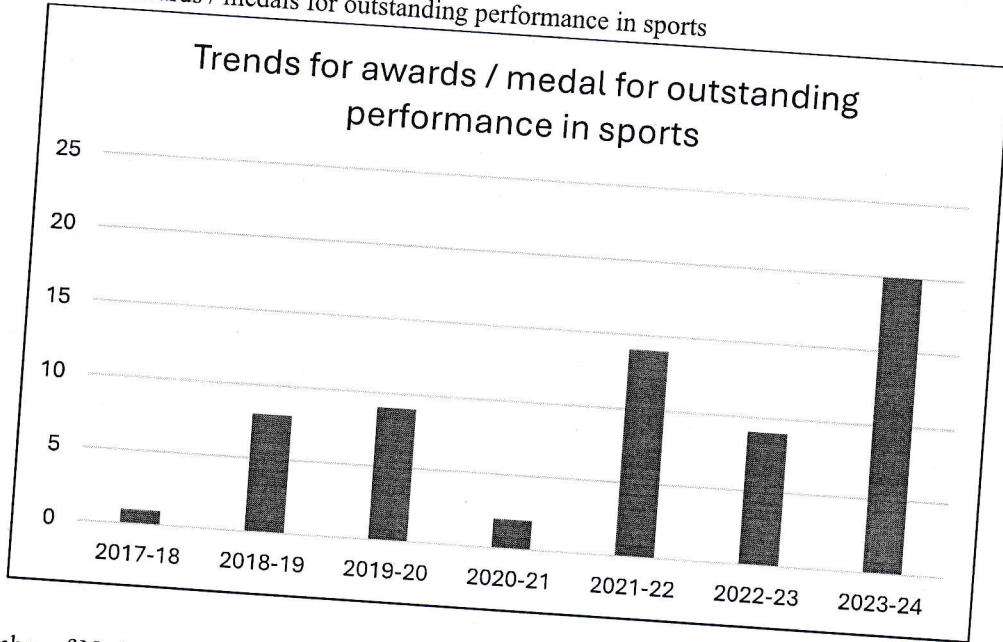and Technology, Indore

Saturday, December 21, 2024

F. Continuous Improvement in Co-curricular and Extra Co-Curricular Activities

I. Number of Activities conducted related to NSS / Red Cross / Extension / Outreached

Trends for No. of Activities
NSS/RedCross/Extension/Outreached
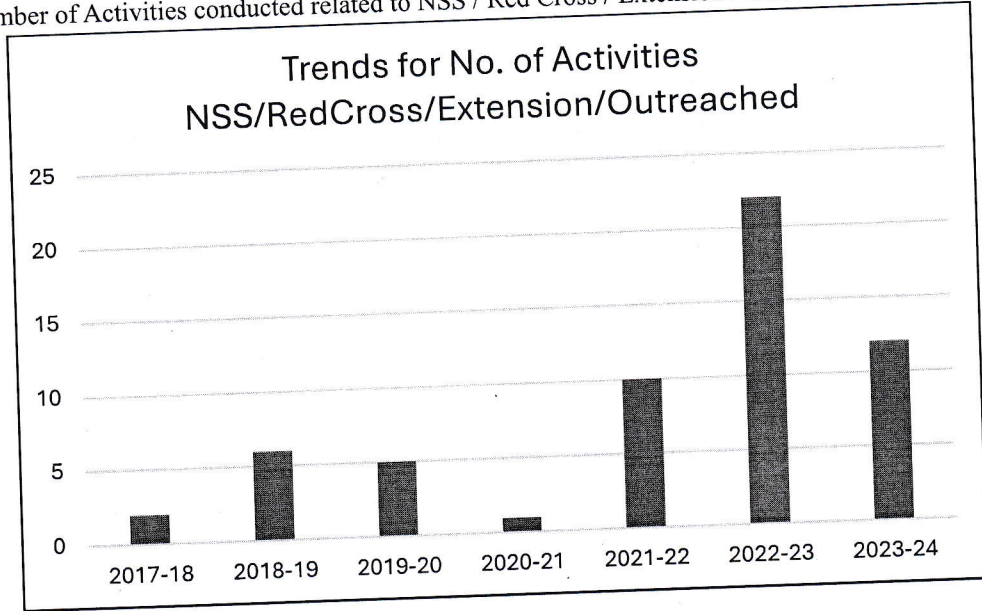
II. Number of Activities conducted by CDC Cell

Trends for No. of Activities CDC Cell

For IIST/ IIP/ IIMR
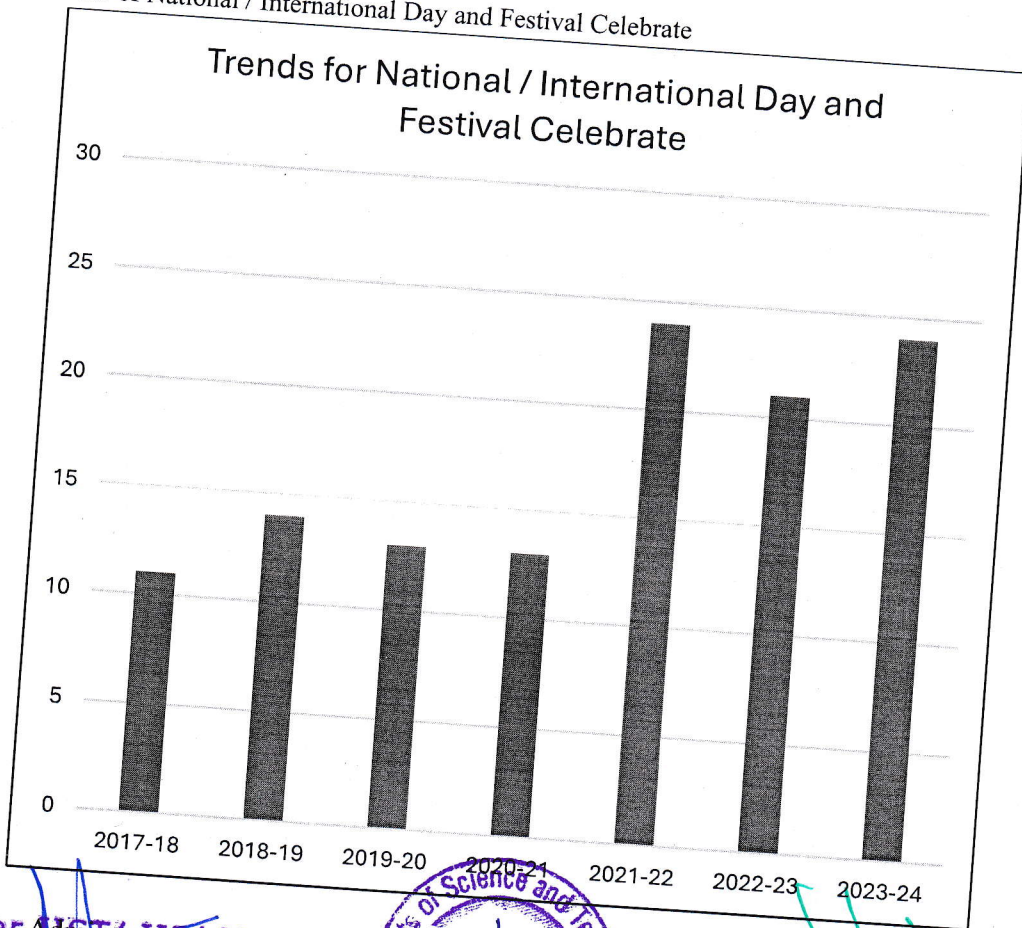
Admin
Chief Administrative Officer

IQAC

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Principal
Indore Institute of Science and Technology

Saturday, December 21, 2024

III. Number of awards / medals for outstanding performance in sports

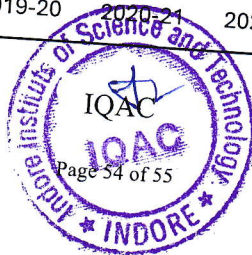Trends for awards / medal for outstanding performance in sports

IV. Number of National / International Day and Festival Celebrate

Trends for National / International Day and Festival Celebrate

For AISTI/ IIP/ IIMR

Chief Administrative Officer

IQAC
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and Technology, Indore
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