

**Action Taken Report of IQAC Recommendation (2022-23) for Year 2023-24**

Item No.	Description in Brief	Primary Responsibility	Details of Action Taken
1	The Institute to offer one or two interdisciplinary programme	All Heads of the Departments	Centre for Multi-disciplinary Studies and Research has been established. A new specialization for B. Tech ECE (with specialization in Computer Science and Engineering) has been started. In this programme, with additional 18 credits, there will be an increased emphasis on CS courses and students will gain significant training in Electronics and Computer Science domains. Other interdisciplinary programmes that have been proposed in 2023-24 and are being offered from 2024-25 session are B.Tech Mathematics & Computing, B.Tech Electronics & Computer Engineering (ECM).
2	More Open Electives / Courses in the emerging areas as per the requirement of the industries could be floated by the departments. Further, courses like Scientific Writing and Communication, Emotional Intelligence, Art of being Happy, etc. may be offered to the students as Value Addition Courses.	All Heads of the Departments	Additional open electives have been introduced by almost every department, from VI semester onwards focusing on new and emerging fields such as EV Technology, Artificial Intelligence, Solar Engineering, and Introduction to Information Theory. Front End Programming, Java Programming, Non linear Data Structure and Problem Solving, Problem Solving using C and C++, Bioinformatics Algorithms, Cyber Security. These are coherent with the requirement of the industries. Department of HSS & JBS have introduced Basics of Creative Writing and Effective Self-Management respectively as Value added Courses.
3	Regular interaction of senior visiting faculty from both industry and academia to make the students industry ready & to undertake following measures: <ul style="list-style-type: none"> <li>• Encourage and promote the Immersion programme or Immersion learning;</li> </ul>	All Heads of the Departments	<ul style="list-style-type: none"> <li>• Department of CSE&amp;IT has conducted numerous interactive sessions of invited faculty, guest faculty with departmental faculty and students in international conference, IIC and IILC activities and outcome is reflected in the student performances. For example, at the beginning of AY 2024-25, four students got selected in Google and eight students have been offered 2 months google internship. Institute has also signed MOU with Neuphony, a well reputed industry for BCI. Along with this one more MOU is also signed with ISL (Indian Sign Language) to facilitate industry collaboration.</li> <li>• Department of ECE has conducted Industrial expert lecture series from 27.01.2024 to 26.02.2024, expert presentation in credential ceremony of</li> </ul>

<ul style="list-style-type: none"> <li>• Collaborate with industry professionals and organizations to update the curriculum and align it with current industry requirements;</li> <li>• Incorporate practical, hands-on projects, case studies, and industry-specific assignments into the coursework.</li> </ul>	<p>JIT by MathWorks, Interaction with Bobble AI experts, Indian Mobile Congress 2023 and Cadence expert talk on 16 April 2024. Industrial Internship in core companies have been significantly increased as compared to the previous academic year. The final year students have internships in ST Microelectronics, GarudaUAV Soft Solutions Pvt Ltd., NXP, Lutron Electronics, Eagle View, etc. Additionally, 32 students of third years got paid internship in ST Microelectronics from June 2024 onwards. Five field visits have been organized for students to ST Microelectronics, Synopsys, NXP, IOT Academy etc.</p> <ul style="list-style-type: none"> <li>• Department of Biotech has initiated talks with Industry personnel.</li> <li>• The Department of Mathematics has also conducted many invited talks with senior visiting faculty from both industry and academia to make our students industry-ready.</li> <li>• The HSS Department has actively promoted immersion learning by collaborating with industry professionals to continuously update the curriculum. They have integrated hands-on projects, case studies, and development programs to enhance students' practical skills. The department has organized various impactful events, including the Faculty Development Program (FDP) on Empowering Researchers with AI Techniques, a Panel Discussion on the Role of Women in Shaping Society, and an International Webinar on Academic Writing in Social Sciences. These events featured distinguished speakers such as Ms. Mugdha Sinha, Joint Secretary, Ministry of Culture, and Dr. Szarmilaa Dewie Krisnan, Secretary, MELTA, ELTC, Ministry of Education, Malaysia, who shared their knowledge and experiences with students and faculty. Moreover, in collaboration with ELT@I, the department is running the India Reach initiative, establishing a reading club to foster learning beyond the classroom.</li> <li>• JBS offers Hospital and Health care Management specialization in collaboration with Jaypee Hospital for hands-on experience where the all courses are taken by industry experts and at the hospital premises. Twenty percent of the course on Business to Business Marketing was taken by Industry expert. Curriculum revision exercise for MBA batch 2023-25 and MBA Batch 2024-26 has been completed successfully where feedback from industry, Alumni and senior academicians was taken and finally recommended through BOS to Academic Council.</li> </ul>
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4	Encourage students to focus on live projects / field-based learning and provide them access to experiential learning opportunities.	All Heads of the Departments	<p>Department of CSE &amp; IT in AY 23- 24, has given opportunity to the students to do the internship at industry in 7<sup>th</sup> semester to facilitate them with more hands-on field exposure. This has resulted into significant improvement in long internship at reputed organizations like Intel, etc.</p> <p>Biotech students (Ph.D., RA, PA- project Assistant) are regularly involved in externally funded live projects providing them access to experiential learning opportunities. The details of project funding agency with number of students are given below:</p> <p>ICMR – 3 (PhD) &amp; 2 (RA)  DBT – 2 (PhD)  DRID – 2 (PhD)  DST – 1 (PhD)  MOEF – 1 (PhD)  KFCL (Industry) – 1 (PhD) &amp; 1 (PA)  M.Tech – 1  Integrated B.Tech / MTech - 19  B.Tech – 12</p> <p>In JBS, a group of students have been given field-based learning project by Upgrade and Devyani group. The students undertake industry internships as a part of experiential learning as well.</p>
5	Increase the Number of admissions in PG, Ph. D. and MBA programs.	All Heads of the Departments	<p>In Department of CSE &amp; IT, the number of admissions in PG and Ph.D. admission has increased to 30 and 26 respectively in the Academic Year 2023-24 from 16 and 11 of the previous academic year (2022-23). In the Department of Biotechnology, Ph. D admissions have been 16 in 2023-24 as against 6 in 2022-23. In MBA the admission count has gone up by more than three times. The number of admissions in PG Programme has also increased across the departments. In MSc. Economics Programme of HSS Department, 9 students took admission in 2023-24 as compared to 2 in 2022-23, while rigorous efforts were made by the Departments of PMSE &amp; Mathematics in 2023-24, which finally yielded results in 2024-25, with 8 students taking admission in Mathematics, and 8 in PMSE.</p>
6	Involvement of Alumni in designing and revising the curriculum, mentoring students and continuous interaction with the students need to be strengthened. A monthly alumni lecture/interaction series may be initiated by	All Heads of the Departments	<p>The frequency of Alumni interaction and involvement of Alumni in feedback and syllabus designing has increased. The alumni meet was conducted in January 2024, where approximately 150 alumni interacted with current students. A distinguished Alumnus, Rishabh Jain (batch 2018) have secured 377 rank in civil services. During his interaction with students, he motivated many students for civil services. During the induction of program 2023, three</p>

	<p>the departments for better engagement with Alumni.</p>		<p>of the CSE&amp;IT alumni (one of them is Nipun Agarwal, who was posted as senior SP at Ghaziabad at that time) interacted with first year students and shared his journey at JIIT and encouraged them. In every department, regular feedback is taken from alumni on curricula design and their suggested changes are incorporated in the teaching and learning process. In fact, each MBA student is assigned an Alumni Mentor and alumni are invited for guest talks and take some portion of the course as well in JBS.</p>
7.	<p>Both the MI Rooms which are currently functioning in Sector 62 and Sector 128 campus to be refurbished.</p>	Shri S. Moondra Ji	<p>The process has been initiated.</p>
8	<p>More efforts need to be taken to strengthen mentor-mentee relationship.</p>	Mentoring Coordinators	<p>Separate Mentoring forms have been designed to report student interaction matters during induction program. Mentoring diary has been introduced for specific mentee-mentor interaction. Semester Mentoring reports are prepared by mentors with action taken documentation.</p>
9	<p>All the department to increase the number of publications per teacher in quality indexed Journals</p>	All Heads of the Departments	<p>The number of publications per teacher has increased in almost all the departments. The faculty members of the department publishing in Q1 journals have been identified and awarded with incentives. This practice will definitely motivate the researchers of the department for increased number of publication in quality (Q1) Journals. The quality of the publication has improved from the previous year. The total number of publications in Department of ECE is 123 with 98 journals, 16 Conferences, and 9 books/book chapters as compared to 129 with 96 journals, 23 conferences, and 4 book chapters in previous AY. In Mathematics, the number of journal publication has increased to 36 in the current year from 31 in the last year. Research groups have been strengthened and faculties are being encouraged for good quality research outcomes. Institutional initiative of incentives has further enhanced encouragement for the same. In HSS and JBS total publication in ABDC journals have increased.</p>
10	<p>All departments to put in consistent efforts for getting externally funded / collaborative research projects and research grants and</p>	All Heads of the Departments	<p>In the Department of Biotechnology, 50% of faculty have 13 externally funded projects of a cumulative growth approximately 10 Crores. Funding agencies that have granted projects for Biotech department: DBT-BIRAC; ICMR; DBT; Life Sciences Research Board (LSRB), DRDO; DST-FIST; Ministry of Environment, Forest &amp; Climate Change. In AY 23-24, Department of CSE&amp;IT has received one project from SERB, along with four patents having been granted. The Department of ECE has received three industry-granted projects</p>

	consultancy in eligible areas to generate revenue.		in last AY like KFCL,Kanpur, Traana Technologies Pvt. Ltd., and ESNIFF Devices Private Limited. Collaborated research projects have been applied and also one has been received with Garuda.
11	Strong efforts for getting awards from Government or other recognized bodies need to be put up by faculty members for excellence in their domain	All Heads of the Departments	Faculty members are putting in efforts to get recognition from government organization or other bodies. Their efforts with students have resulted into winning Smart India Hackthon etc. In ECE Department, four faculty members have received awards like best paper award, quiz winner in a workshop, LalC Verman award, IETE. One faculty member from the Department of HSS, has got first prize in the workshop held on 07 January 2024 at IIT Delhi on Artificial Intelligence and Prompt Engineering.
12	Additional faculty development programs to be organized on teaching pedagogy and innovative teaching practices.	All Heads of the Departments	Department of CSE & IT, in collaboration with NITTTR Chennai, with the expert team of NITTTR Chennai conducted 3 days FDP on teaching pedagogy, LMS and other interactive tools for delivering lectures. JBS has organized a two weeks Teacher's Enrichment Workshop (TEW) on "Elements of Data Management and Analytics" and a one-week Faculty Development Program on "Statistical and Computational Methods on Decision Making" in this academic year. HSS Department has organized FDP on "Empowering Researchers with AI Techniques" Efforts have been made in Dept of ECE, to organize faculty development programs specifically in teaching pedagogy and innovating teaching practices. FDP on VLSI fabrication and characterization, Advance VLSI have been conducted so far in last AY by ECE.
13	Registry & Accounts to conduct at least one Professional Development Programme / Staff Development Programme every semester on behavioral and communication skills.	Registrar & CFO	A 3-Day Staff Development Programme on 'Enhancing Verbal & non-Verbal Skills was conducted by IQAC for Registry and Accounts personnel from 8-10 February, 2024'.
14	Students to be offered comprehensive career guidance services with personalized support in identifying internship opportunities that align with their career goals.	All Heads of the Departments & T & P Dept	One-year internship for final year students was a game-changer last year. For 2024 batch 25 students and for 2025 batch approx 80 students, so far, have joined industry /corporate as interns. For six months internship, 298 students from 2023 batch and 353 students from 2024 batch joined industry / corporate as interns. For summer internships, students educated on Internship platforms like that of AICTE, Internshala and others offering internship opportunities over complete

			<p>spectrum of technologies. Based on data provided to these agencies, invite is triggered to every student to move ahead with various options of internships. Approximately, 17 students and 32 students, after third year from 2025 batch, have gone to reputed companies for summer internship with stipend of over INR 1.00 lakh and INR 20,000.00 per month respectively.</p>
15	Conduct Mid and End Term exams for first semester students.	Controller of Examinations	The decision to conduct Mid Term and End Term has been passed in the Academic Council this year, and it shall be implemented from next academic year.
16	More interaction with parents regarding performance of their ward could be undertaken	Mentoring Coordinators / JYC In-Charge	JIT has initiated the process from this session and has conducted an interactive Parent-Teacher Meet in the month of March 2024. In addition, students in a batch of 30 are assigned with a faculty mentor, who whenever required interact with the parent and discuss the performances of the ward.
17	Sports facilities to be improved and a greater number of sports activities/ events (both on-campus and off-campus) should be promoted to accommodate a good number of student participation	JYC In-Charge & Sports Officer	To accelerate the process of more sports activities, a dedicated Sports-In charge has conducted numerous sports events including Fun Sports Meet, Annual Sports Meet etc. Also, the participation of the students outside JIT has increased and the winning positions have been ensured individually and at team level.
18	All 22 hubs of JYC to actively take part in the conduct of events of respective hub events.	JYC In-Charge	In comparison to last year, this academic year, a greater number of hubs conducted events this year.
19	Academic/administrative support staff for each department to assist the departmental faculty in various departmental work.	Registrar	The decision regarding this is being reviewed by the Management. Presently the lab staff helps the department in documentation work that comes to the department from time to time.
20 a	The institute must maintain all data and proofs in accordance with (i) UNEP Universities Greening Toolkit V2, (ii) UGC-SATAT guidelines and (iii) GRI standards. All	Environment Cell	<ul style="list-style-type: none"> <li>Multiple measures of conservation of resources are listed in Institute Environment Cell's ERD which stress upon resource conservation, safe solid waste management as outlined in (i) UNEP Universities Greening Toolkit V2, (ii) UGC-SATAT guidelines and (iii) GRI standards and as applicable to an educational institute.</li> </ul>

20 b	<p>environmental aspects must be managed and documented with an Environment Management Plan (EMP) - ISO 14001:2015. 1. Development and enforcement of waste management policies that prioritize sustainability and environmental responsibility should be followed as per Solid Waste Management (SWM 2016) rules.</p>	<p>All Heads of the Departments of Teaching and Non-Teaching</p>	<ul style="list-style-type: none"> <li>• Integration of social, economic and environmental sustainability across the curriculum There are multiple courses across the departments both as core subjects and as electives have been offered to B.Tech. /M.Sc/ MBA curricula</li> <li>• Live projects by students at Minor, Major, Dissertation as part of curriculum, participation in NSS, UBA activities of environmental and societal relevance and activities of GJWM cell, courses of environment relation all play a positive role in imbuing spirit of environment and sustainability in students.</li> <li>• Institute manages its organic waste, paper waste, electronic waste, solid waste, hospital waste through multiple agreements with certified external agencies that are periodically revised.</li> <li>• External green audit is conducted by certified agencies.</li> </ul>
21	<p>As per NAAC requirement, geo tagged photographs to be included in every report and for every occasion.</p> <p>The documents such as forms, formats and procedures related to Accounts/Finance department for the work of sponsored project, TA/Honorarium to the experts invited in conference/workshop/FDP/invited lecture etc to be made available on website/ Fileservers of JIIT so that the desired work can be done more smoothly. Similarly, an HR manual to be published on Fileservers.</p>	<p>Registrar</p>	<p>This is being done for all meetings / activities.</p> <p>The recommendation has been forwarded to HR Cell, Finance office and Registrar office for necessary action. HR manual is being given to every new joining personnel during Orientation.</p>

**VICE CHANCELLOR**  
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*Handwritten:*  
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Coordinator, IDAC

*Signature:* [Signature]  
16.10.25