VIT®

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

Directorate of Quality Assurance and Accreditation
Internal Quality Assurance Cell

IQAC Meeting Suggestions and Action Taken Report

IQAC Meetings conducted during AY 2024-2025

S.No	Suggestions of IQAC meeting held on 14th October 2024	Action Taken Status
1.	ERP course can be offered as an elective or as a certification course to enhance students' employability opportunities.	• ERP elective offered for BCA and M.Tech Software Engineering; other students encouraged to pursue ERP via Value Added Courses or NPTEL. • A 15-day ERP certification program is planned, covering modules like Finance, HR, CRM, and Supply Chain to boost interdisciplinary job readiness. • Entrepreneurship courses, including BMGT108L, are offered across branches to develop innovation and business acumen. • Hands-on entrepreneurship learning is enabled through case studies, industry interaction, and exposure to the startup ecosystem. • Value Added Courses (VACs) like Investment Planning, Employability Skills, Social Intelligence, Campus to Corporate, and Public Speaking are offered for skill development. • Industry-relevant topics have been included in revamped curricula based on student feedback and benchmarking with top universities. • Design students (B.Des, M.Des) are offered courses in Product Strategy and Lean Startup, supported by NPTEL innovation-focused courses. • Job-oriented programming courses (Python, Java, C++) are being offered to M.Sc. students, with more planned. • Skill development and career guidance programs conducted, with students encouraged to attend events like Startup Mahakumbh and Innovation Week. • Open electives introduced with orientation and support for startup and entrepreneurship-focused learning. • Experiential Learning Programme (ELP) is a mandatory part of the 8th semester for B.Sc. Agriculture students to build employability and technical skills.
2.	Faculty members can be encouraged to conduct 10% classes in flipped class mode for effective learning.	• Flipped classroom practices are already being followed by some faculty members for the past two years. • Faculty were informed and encouraged by the Dean SBST and HoDs during meetings to implement flipped teaching.

S.No	Suggestions of IQAC meeting held on 14th October 2024	Action Taken Status
		• Implementation of flipped classroom is planned for Fall Semester 2025-26. • B.Des and M.Des Industrial Design courses already use practice-based flipped learning. • Selected courses have already integrated flipped classroom methodology. • In "Information Theory and Coding," pre-recorded videos and problem-solving sessions were used; a quiz was conducted to evaluate learning. • A flipped session titled "MySegmenter: From Slicing to 3D Printing Your Own Anatomy" was conducted in April 2025. • M.Sc. students are engaged in hands-on flipped sessions for visual realization topics. • Field-based experiential learning (e.g., ICAR research stations, farm surveys) used to provide real-world context and support flipped learning approach. • Faculty are being motivated continuously to explore and apply alternative teaching methods like flipped classrooms.
3.	Analyse the employability patterns for each program. Based on this analysis the schools can initiate a structured interaction with the industries in which many of the students are employed to understand their applications and requirements. Then, incorporate them into the concerned course or offer as a value added course.	• In Academic Council Meetings 69, 70, and 71, the UG and PG curriculum was revised based on employer and alumni feedback. Accordingly, new Value-Added Courses (VACs) were framed, approved in Board of Studies (BOS) meetings, and offered over the last two semesters. • PAT office school-level faculty representatives have been assigned to brief current industrial trends and specialization areas during upcoming faculty meetings. This continues the discussion from two prior meetings on improving employability. • A Digital Design program has been introduced based on industry demand, in collaboration with Autodesk. A BIM Lab is also being established to enhance practical and industry-relevant skills. • HoDs have been instructed to coordinate with the Career Development Centre (CDC) to further align curriculum with industry expectations. Discussions are in progress. • Students are encouraged to build employability skills through Design Studio visits, portfolio workshops, and 8th module guest lectures by industry experts focusing on real-world expectations. • Students from the SENSE School visited Nokia, Chennai, where faculty members received live projects related to 5G technologies. This strengthens direct academic-industry collaboration. • Employability trend analysis is ongoing. Structured interactions with industries like Wipro3D have been initiated. Based on findings, new VACs like Surface Engineering (VAC2501), Nutrigenomics, Mental Wellness, and Public Health have been developed or

S.No	Suggestions of IQAC meeting held on 14th October 2024	Action Taken Status
		proposed. • A 3-day workshop was conducted in partnership with MIDAS, PRIMAVERA, etc. As a result, students gained placement opportunities and practical exposure to tools used in the industry. • Placement patterns in M.Sc. programs (Data Science, Business Statistics, Integrated Computational Statistics) were analyzed. Following this, companies such as GEEKBULL, Oges Solution, and Brainbrix offered placements. Value-Added Programs (VAPs) were also introduced to improve job readiness. • Industry experts regularly handle courses to improve employability. The curriculum is also benchmarked against global institutions such as MIT, Stanford, and Purdue to maintain global standards. • Alumni are actively involved in 8th module lectures covering areas like resume writing, skill enhancement, and certification planning, helping students better align with industry needs. • Summer Internship Programs are being offered to provide hands-on, industry-relevant experiences that bridge the gap between academics and employability. • A continuous feedback loop is in place with industries to regularly update the curriculum and design value-added content aligned with evolving job market needs. • Implementation of additional measures is in progress to further enhance employability efforts across all programs.
4.	Significant subject ranking parameters (in QS/THE) can be taken as the input while setting targets for the school.	• Targets set to improve QS subject rankings by focusing on citations per faculty and H-index. • Subject areas like cancer studies, clinical microbiology, and neuro diseases identified to enhance research output. • Scopus data used to align faculty research with top-performing fields like Social Sciences. • New lab proposals submitted to support research visibility and ranking. • Monthly faculty meetings held to set academic targets based on QS parameters. • Course content and lab facilities being updated in niche areas to support rankings. • Achieved QS subject ranking of 7–8 in India and 151–200 globally in EEE. • QS and THE ranking parameters fully considered in planning. • Efforts underway to enhance academic visibility and impact. • Some initiatives are in progress for implementation in Fall 2024–25.
5.	School of Design and School of Architecture shall have more focus on improving the perception rather than	• National and international events have been planned periodically to boost external visibility and will continue into the upcoming semester.

S.No	Suggestions of IQAC meeting held on 14th October 2024	Action Taken Status
	journal publications.	• Students are actively encouraged and mentored by faculty to participate in recognized design contests at both national and international levels, enhancing the school's creative reputation. • In the upcoming conference (planned for December 2025), students will be given the platform to present their design projects, improving exposure and peer recognition. • Student project works have been shortlisted for design registration and patent filing. Further actions are being taken to explore incubation and commercialization opportunities. • Initiatives such as study tours, industrial visits, symposiums, and strategic use of social media are being organized to improve the school's public perception and industry engagement.
6.	Establish an herbal garden for the benefit of faculty members and research scholars.	An herbal garden with 27 species has been established at VIT–Sevur farm, and the development of another herbal garden at the CBMR farm is currently in progress.
7.	The school of Civil Engineering can collaborate with the Confederation of Real Estate Developers' Associations of India (CREDAI)	The school of Civil Engineering currently has five active student chapters closely aligned with various Civil Engineering domains. In addition, steps are being taken to establish formal association with CREDAI to enhance industry collaboration and student exposure.
8.	Civil Engineering students can be engaged in a project/internship to learn about mechanical, electrical, and plumbing systems.	Civil Engineering students are currently engaged in multidisciplinary projects that incorporate elements of mechanical, electrical, and plumbing systems, providing them with hands-on exposure and cross-domain learning.
9.	Civil Engineering students can be motivated to study the quality of construction by involving them in the construction projects happening in VIT and neighborhood areas.	Civil Engineering students are actively visiting ongoing construction sites within VIT to observe and understand construction quality practices. These visits provide practical exposure and support quality-focused learning through real-time observation.
10.	Steps can be taken to appoint more Professor of Practice in each school.	As per the finalized norms approved by the Vice Chancellor, seven Professors of Practice have been appointed across various schools. These appointments include: SHINE: Dr. Joseph John Vettukattil, Dr. Balakrishnan K R SCORE: Dr. Sathya Seelan, Mr. Madahan Kumar Srinivasan, Dr. Anil Kumar SMEC: Dr. Ragothaman A VITBS: Dr. Giasuddin B
11.	Both campuses should handle the data with utmost care and ensure ZERO data loss.	The VIT IQAC Portal has been strengthened to ensure robust data management and prevent data loss across campuses.
12.	Certificate courses on AI & ML, Data Science, Data Engineering, and Cyber Security can be offered to the alumni	VIT-Bangalore offers 16-week online certificate programs in Data Science, AI & Machine Learning, open to all and VIT alumni are encouraged to take advantage of them. For Data Engineering and Cyber Security, VITOL is coordinating with schools for course development.
13.	Offering Twinning and Joint degree programs in collaboration with	**Dual Degree Programs:** 1) University West Dual Degree option already given to

S.No	Suggestions of IQAC meeting held on 14th October 2024	Action Taken Status
	international partner universities.	students since 4 years. MTech Mechanical Program. Students already availed the option also. 2) Dual Degree Option for MTech in SENSE. Agreement with HOCHSCHULE KARLSRUHE, Germany, where the degree is given by both VIT and HOCHSCHULE KARLSRUHE. Already in progress. 3) VIT and University of Michigan, Dearborn, USA the Dual degree option in MBA and it is already implemented for that past 9 years. 4) VIT and OAKLAND University, USA have the dual degree program for MTech. MCA, MTech CSE can go to Oakland University after 1st year and get both the masters degree for both universities. Last two years in implementation. **Twinning programs:** 1) NUS 3+1+1 Program: Bachelor from VIT and Masters from NUS 2) Binghamton University 3.5+1.5 Program: Bachelor from VIT and Masters from Binghamton University. 3) Binghamton University 4.5+1.5 Program: Int MTech from VIT and Masters from Binghamton University. 4) KTH 3+2 Program: Bachelors from VIT and Masters from KTH,Sweden. 5) Students who went to various universities for SAP are all on the Twinning program norms as they earn credits upto 30% from a foreign University and get the final degree from VIT Vellore. Transfer Programs with many more US, Australia,UK and Europe Universities in terms of 2+2, 1+1, **New Programs** 1) RIT Data Science Dual degree Program is signed, however yet to be implemented. 2) Arizona State University: Dual Degree (1+1) Master of Technology on Smart Mobility from VIT and Master of Science in Clean Energy systems (ASU). 3) University of Sussex, UK: 1+1 VIT MSc 2 year programme with Sussex MSc 1 year programme dual degree. Will be implemented from these coming admissions. 4) In Progress 2+2 Dual Degree. B Tech Bio Tech progression to Sussex MSc Drug Discovery Design and Synthesis 5) Queen Mary University of London (QMUL) draft is ready for Signing 1+1Dual Degree

S.No	Suggestions of IQAC meeting held on 14th October 2024	Action Taken Status
14.	Students can be encouraged to apply for the Government of India's Skill Development Schemes.	Student are encouraged to participate Government of India's Skill Development Schemes through IIC and E-Cell. List is attached.
15.	Employability skills survey can be conducted among the VIT students.	We plan to conduct the employability skills survey when we reopen in July, 2025. We are in the process of collecting inputs from the industry and other bodies that conduct the survey.

S.No	Suggestions of IQAC meeting held on 5th February 2025	Action Taken Status
1.	Schools and O/o Alumni can establish a discussion forum to facilitate interaction between the faculty members and alumni who are in senior positions at various industries.	• Schools have planned alumni–faculty interaction sessions during Winter Semester 2024–25, and alumni coordinators have been informed for future engagement. • Interactions are currently taking place through guest lectures, expert talks, and MoU-based collaborations, though an exclusive discussion forum is yet to be fully developed. • Alumni data repositories have been created to enable structured outreach; alumni are regularly invited for studio reviews and lectures. • Alumni contribute as visiting professors, expert lecturers, and curriculum advisors; recent interactions include one on 25 May 2024 with notable alumni. • Alumni actively participate in 8th module lectures, induction programs, and are consulted during syllabus revisions, with their suggestions being incorporated. • Board of Studies meetings utilize alumni expertise to align programs with industry trends; alumni also interact with students during induction programs. • In schools with recent graduates, senior industry alumni are limited but efforts are ongoing to build connections. • Distinguished alumni such as Dr. AJ Venkatakrishnan, Mr. Piyush Padmanabhan, and Mr. Prajwal Agrawal have delivered expert sessions, inspiring students and sharing industry insights. • A formal discussion forum has been established to support ongoing structured engagement. • Recent alumni interactions include Mr. Sakthi Sanjeev (A*STAR, Singapore) and Dr. Haribabu (Universidad de Atacama, Chile) in early 2025. • Alumni are invited to fresher orientations, workshops, and special guest lectures. • Alumni actively participated in the NBA visit, Board of Studies, and regular lecture sessions across schools. • Data collation is underway to invite reputed alumni for the Graduation 2025 event. • Ongoing efforts are in place to invite VIT alumni for special lectures and interactive meetings.

S.No	Suggestions of IQAC meeting held on 5th February 2025	Action Taken Status
2.	A structured framework may be developed to identify key research areas and align them with emerging industry trends.	The schools and research centres have identified key research areas in emerging areas. Faculty research groups have been formed.
3.	Awareness programs on advanced technologies in industries can be conducted for faculty and students to strengthen research, entrepreneurship, and commercialization efforts.	The Schools in collaboration with TLCE are organizing Faculty Development Programs and workshops aligned with industry trends and cutting-edge technologies to provide exposure and a comprehensive understanding to faculty members, research scholars, and students.
4.	All Schools shall organise industry conclaves and establishing strategic partnerships with relevant companies to enhance industry-institute collaboration.	Many Engg. & Tech. Schools have initiated annual industry conclaves. Other schools such as SAS, SSL, HOT, V-SMART, VSIGN, VAIAL are encouraged to conduct the conclaves. MoUs are being signed with leading companies to formalize strategic partnerships for internships, projects, and research collaboration
5.	Granted patents could be shared with students and research scholars to foster product development and commercialization, with support from marketing and industry engagement.	Details of granted patents are being shared under the 'Technologies Available for Commercialization' section on the IPR & Technology Transfer Cell website. These technologies are categorized across various domains such as Agriculture & Food, Biotechnology, Communication, AI/ML, and more. Additionally, a full-time Technology Transfer Officer has been appointed to accelerate commercialization efforts.
6.	The readiness of the IDEA Lab to meet industry needs may be assessed and enhanced.	The existing project lab is proposed as the IDEA lab. A detailed design with modern facilities are submitted to Director Estates for renovation in the month of December 2024.
7.	Entrepreneurial alumni and industry experts may be engaged for mentorship, collaboration, and networking.	• Over 22 Alumni Entrepreneurs who were invited through IIC and E-Cell visited VIT for Student mentoring • Entrepreneurial alumni guest lectures and mentorship conducted. An Alumni Entrepreneurship mentor club is in the pipeline.
8.	A structured entrepreneur connect platform can be developed to drive innovation and industry collaboration	Student Entrepreneur- Investor Connect Portal – Under Construction currently. It will be interfaced with VTOP.

S.No	Suggestions of IQAC meeting held on 28th May 2025	Action Taken Status
1.	Improve data security by backing up data in multiple locations and using secure systems.	Data backups are already maintained at multiple locations within the VIT campus, ensuring improved data security and recovery readiness.
2.	Switch to modern communication tools like VoIP, use smart ID cards, and monitor CCTV in real time for better safety.	The CTS team will explore the implementation of VoIP systems, smart ID cards, and real-time CCTV monitoring to enhance campus communication and safety infrastructure.
3.	Use smart technology to manage assets and share updates quickly across departments.	Asset Management portal is already in place for ALL IT Related Assets. For other assets SDC can help to automate for departments.

S.No	Suggestions of IQAC meeting held on 28th May 2025	Action Taken Status
4.	Review how books and journals are used to improve library services and involve alumni for suggestions.	The enhancement of learning resources were confined to the current faculty, students and research scholars. There are a lot of journals, magazines and books circulating in industry which inform about the latest products, developmesnts and best practices of the industry, which will enable students to become industry ready by taking advantage of these in their projects and competitions. Thus it was strongly recommended to include alumni to this group. I request the Alumni office to contact alumni members and encourage them to provide suggestions for further enhancement of the learning.
5.	Make flipped classrooms more effective by helping students prepare better before class using digital tools.	• Reading materials and video lectures for courses like UBHA104L – Front Office are being uploaded to VTOP in advance to support pre-class preparation. Additional video content is in development for upcoming courses. • Next steps include publishing existing video lectures, tracking student engagement through analytics and pre-class quizzes, and expanding content for flipped classroom delivery. • School of Chemical Engineering has initiated a review of digital tools for creating interactive pre-class materials such as videos, quizzes, and discussion forums. Faculty have been advised to attend FDPs on flipped classrooms. • A pilot program is proposed under TLCE for the next academic year to integrate feedback-based flipped learning. • Flipped classroom practices are already in place in some schools and faculty are encouraged to scale this up for the Winter Semester 2025 and beyond to improve student learning outcomes.
6.	Prepare regular reports on tech support, internet usage, and system performance to plan better improvements.	Regular reports on tech support, internet usage, and system performance are already being prepared and maintained for continuous monitoring and planning of improvements.
7.	Track sports performance to improve training and performance in sports.	Sports talent is identified through Fresher's tournaments, VITPL, trials, and intramural games. Special coaching camps and friendly matches are organized to enhance students' skills, strategies, and overall performance across disciplines.
8.	Plant safe and strong trees on campus to avoid damage during storms and support local ecology.	VIT has planted 1400 native trees, including the development of the Virudhampat Miyawaki forest. Inside VIT, 282 teak trees were planted along the fencing near Mango Land on World Yoga Day. An additional 300 trees are planned from the STP plant to the forest quarry area. As per the Highways Department's request, 500 trees will be planted this month along the 11th Gate to Alamelu Rangapuram stretch of the Chennai–Bangalore highway.

S.No	Suggestions of IQAC meeting held on 28th May 2025	Action Taken Status
9.	Keep strong ties with industry and alumni to get feedback and stay updated with trends.	VITAA office has communicated with several industries, startup, academic institution where in our alumni are working to connect for internships /placements and research collaboration.

S.No	Suggestions of IQAC meeting held on 27th June 2025	Action Taken Status
1.	Students must be imparted employability skills especially based on industry needs	The Career Development Centre (CDC) is already imparting employability skills through soft skills training, and also industry members are part of the Board of Studies, who give feedback about industry requirements. CDC also engages with startups, imparting employability training, which includes psychometric assessments and coding and aptitude and logical reasoning skills training.
2.	The feedback from student satisfaction survey must be used to decide on the faculty retention	Student satisfaction score is considered for faculty PE. But this aspect has no relevance for faculty retention perspective.
3.	Our own high performing students can be employed as faculty/ staff in our institution after their graduation.	Faculty hiring: VIT graduates (PhD) are considered after 3 – 4 years (outside work Exp/PDF) to avoid in-breeding. Staff hiring: We are open. But very few students who choose to stay back in Vellore, apply and get selected. Most of them prefer to move to metros (location constraints) for better prospects
4.	Train the faculty members to suit the educational needs of the current generation students who expect more practical experience than classroom teaching.	TLCE department organized 42 faculty development programs focused on integrating experiential and technology-driven teaching methods. These sessions aimed to enhance faculty proficiency in delivering engaging current generation students. Key topics included: AR/VR in Teaching, Agentic AI, Python Programming, Outcome-Based Education, Flipped Classroom Techniques, PBL, Case Studies.
5.	The civil engineering graduates must be industry ready to suit the increasing demands in the construction field like metro projects. Even tier-3 cities will take up such projects demanding industry ready civil engineers.	• 8th/6th Module lectures are handled by Industrial experts • Industrial visits • More number Industrial expert lectures are arranged/planned in this AY
6.	Exposure to Artificial Intelligence techniques is required to train civil engineering graduates.	A course on Applications of AI & ML techniques in Civil Engineering is introduced in the core courses.

S.No	Suggestions of IQAC meeting held on 27th June 2025	Action Taken Status
7.	Regarding the placement opportunities, the % of placement is less. A comparison on the number of students placed, companies visited, etc., year-on-year would help understand the demand-supply ratio.	The percentage of placement is based on the students who register for placement. Though the number of students who register for placement is very high 2025 Batch: Vellore and Chennai:10703 CDC can place 80.04% (8606 students) of students through campus placement. Every year, a comparison is made and presented to the executive council at the annual placement meeting. No. of companies visited: 902 No student placed: 8606

Dr. Ramanujam R
Deputy Director, IQAC
Coordinator, IQAC

IQAC Coordinator
Vellore Institute of Technology
Vellore – 632014, Tamil Nadu, India

****

Dr. V. S. Kanchana Bhaaskaran
Vice Chancellor

Vice Chancellor
Vellore Institute of Technology (VIT)
Vellore – 632 014, Tamil Nadu, India