VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

DQAA News
Directorate of Quality Assurance and Accreditation (DQAA), VIT , Vellore

Director's Message

Ensuring quality in higher educational institution is a bottom-up approach wherein every stakeholder should be conscious of their role in contributing towards quality in the teaching-learning process, research, innovation, extension and governance. VIT IQAC strives to promote and ensure quality culture among all the stakeholders of the institute on a continuous basis in collaboration with all the academic and administrative units of VIT.

The main objective of VIT IQAC is to raise awareness on quality assurance / sustenance / enrichment initiatives among all the stakeholders and to adopt high-quality standards in education and research. The IQAC also strives to ensure that VIT reflects on its quality practices and commits to a continuous quest for excellence, which will usher in credibility to individuals and the institution.

I am happy to present various initiatives taken by the O/o DQAA from July to December 2022. I seek your continuous support and suggestions for continuous improvement.

Happy Reading!

With Regards
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Content

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NAAC ACCREDITATION WITH HIGHEST GRADE

VIT IQAC

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About IQAC

The Internal Quality Assurance Cell (IQAC) was established in 2007 at Vellore Institute of Technology (VIT) as a post-accreditation quality sustenance measure. The IQAC has been constituted as per the recommendations of the National Assessment and Accreditation Council (NAAC). The IQAC ensures the effective implementation of quality initiatives through continuous reviews & periodic meetings and strives towards attaining excellence in all academic and administrative endeavors of the institution.

Quality Policy

To establish a system of Quality Enhancement, which would on a continuous basis evaluate and enhance the quality of teaching – learning, research and extension activities of the institution, leading to improvements in all processes, enabling the institution to attain excellence.

Vision of IQAC

To ensure quality culture as the prime concern for Vellore Institute of Technology through institutionalizing and internalizing all the initiatives taken with internal and external support.

Objectives

› To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.

› To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

IQAC Meeting held on 27.09.2022 in hybrid mode

Event Organized

The Directorate of Quality Assurance and Accreditation (DQAA) of VIT Vellore had organized various Training Programmes, Seminars, Workshop, Brainstorming Sessions, etc. focusing on accreditation, outcome based education and quality assurance.

S.No	Event Title	Event Type	Date	Resource Person	No. of Participants
1.	Evaluation of Course Outcomes through IQAC Portal for SAS and SSL faculty members	Training	12-07-2022	Dr. Vijayakumar T, Assistant Director-SDC & Associate Professor, SMEC, VIT	129
2.	Preparation of NBA Self-Assessment Report (SAR)	Training	19-07-2022	Dr. N. Alagumurthi Professor and Head Department of Mechanical Engineering Puducherry Technological University	20
3.	Improving Students' Academic Performance	Brainstorming Session	10-08-2022	VIT Deans and Directors	80
4.	ISO/IEC 17025: 2017- General Requirements for the competence of Testing & Calibration	Training	29.08.2022	Mr. Murugesan S Lab Manager Cum Quality Manager Global Lab & Consultancy Services	26
5.	Uncertainty of Measurement and Decision Rule as per ISO/IEC 17025:2017	Training	30.08.2022	Mr. Murugesan S Lab Manager Cum Quality Manager Global Lab & Consultancy Services	25
6.	Laboratory quality management system as per ISO/IEC 17025: 2017	Training	01.09.2022 To 04.09.2022	Mr. Murugesan S Lab Manager Cum Quality Manager Global Lab & Consultancy Services	22
7.	Accreditation and Academic Excellence	Seminar	19.10.2022	Prof. S. P. Thyagarajan Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women (Deemed to be University), Coimbatore. Dr. N. Jayasankaran Advisor VITBS	62
8.	Emerging Technologies & Technology Foresight	AICTE - DCP Lecture	10-11-2022	Padma Vibhushan Dr. R. Chidambaram Former Principal Scientific Advisor to the Govt. of India Former Chairman, Atomic Energy Commission (AEC)	1512
9.	Interaction Session with Dr.R.Chidambaram for Way Forward of VIT	Brainstorming Session	10-11-2022	Padma Vibhushan Dr. R. Chidambaram Former Principal Scientific Advisor to the Govt. of India Former Chairman, Atomic Energy Commission (AEC)	38
10.	Implementation of 5S in Laboratory	Training	07-12-2022	Dr. Devendiran S Associate Professor Senior, Overall NABL Coordinator Vellore Institute of Technology	117

Training Programme on "Evaluation of Course Outcomes through IQAC Portal" on 12-07-2022.

Dr. Vijayakumar T, Asst. Director-SDC, VIT resource person for the training programme. He demonstrated the step by step procedure to input the marks and evaluate the CO attainment for the courses in the IQAC portal. The faculty members got clarification for their queries from him. Total of 129 faculty members have gathered in Gallery-2, Technology Tower and benefited from this training programme. Dr. Rushikumar, SAS thanked the resource person and the participants for their active participation.

Training Programme on "Preparation of NBA Self-Assessment Report (SAR)" held on 19.07.2022.

Dr. Alagumuthi N, Professor and Head, Department of Mechanical Engineering, Puducherry Technological University explained the importance of NBA accreditation and the stages involved in accreditation process, Critical parameters for NBA prequalifier and SAR preparation during first session. He also shared his NBA accreditation experiences in PEC, Pondicherry. During the second session, He explained the process for defining COs, PEOs and PSOs and preparation of articulation matrices, Student Progression, Faculty competencies, First Year Faculty and Budget utilization.

Training Programme on "ISO/IEC 17025: 2017- General Requirements for the competence of Testing & Calibration" held on 29.08.2022.

Mr. Murugesan, Lab Manager Cum Quality Manager, Global Lab & Consultancy Services, Salem, Tamil Nadu explained the importance of ISO/IEC 17025: 2017 and its requirements for the competence of Testing & Calibration of laboratories and various stages involved in accreditation process. He explained the list of quality procedures, documents, records involved in the accreditation process. He explained the importance of calibration process and other related process. All the NABL CEO, Admin Executives, Technical Assistants of various schools/centres (26 participants) attended the training program. Dr. Kuppan P, Director, DQAA thanked the resource person and the participants.

Brainstorming Session on "Improving Students' Academic Performance" held on 10.08.2022.

Dr. Kuppan P, Director DQAA welcomed all the participants and briefed importance of the brainstorming session. Introductory remarks presented by Dean academics. Dean Academics has presented the existing OBE process at VIT. Pro-Vice Chancellor addressed the gathering and shared his views. All the school Deans were invited to present the views and suggestions to improve student's academic performance. Dr. Murugavel R, CoE explained the existing evaluation procedure and he proposed a new methodology for evaluation. Directors also shared their views to improve the students academics performance and to modify the existing evaluation procedure. Dr. Renuga Devi S, Dy. Director-DQAA, presented the summary of the brain storming session. 29 action points were identified for further action. Concluding remarks was made by Vice chancellor All the VC, ProVC, Deans, Directors and HoDs attended the session. Dr. Thanikaiselvan V, Asst. Director, DQAA gave vote of thanks.

Training Programme on "Uncertainty of Measurement and Decision Rule as per ISO/IEC 17025:2017" held on 30.08.2022.

Mr. Murugesan, Lab Manager Cum Quality Manager, Global Lab & Consultancy Services, Salem, Tamil Nadu explained the importance of Uncertainty of Measurement as per ISO/IEC 17025: 2017 and its requirements for the competence of Testing & Calibration of laboratories. He explained how to calculate the same and how it will participate in the quality the results. He explained the statistics involved in Uncertainty of Measurement (MU) and decision rules. As well he explained the parameters involved in MU calculations and the process importance of calibration process and influence of MU. Finally he conducted on spot test for the trainees. All the NABL Technical managers and Technical Assistants of various schools/centres (25 participants) attended the training program.

Training Programme on "Uncertainty of Measurement and Decision Rule as per ISO/IEC 17025:2017" held on 30.08.2022.

Mr. Murugesan, Lab Manager Cum Quality Manager, Global Lab & Consultancy Services, Salem, Tamil Nadu explained the importance of Laboratory quality management system as per ISO/IEC 17025: 2017 and various stages involved in accreditation process. He elaborately explained the list of quality procedures, documents, records involved in the accreditation process as per clauses 4.1 to 8.9 as per ISO/IEC 17025: 2017. He explained the importance of calibration process, Proficiency testing, inter-lab comparisons etc. and other related process. Up to 3 days training was conducted and on the 4th day exam for evaluate the participants competency in Laboratory quality management system as per ISO/IEC 17025: 2017 was held in online mode. All the NABL quality managers and technical managers of various schools/ centres (22 participants) attended the training program.

Training Programme on "Laboratory quality management system as per ISO/IEC 17025: 2017" held on 1st – 4th September 2022

Mr. Murugesan, Lab Manager Cum Quality Manager, Global Lab & Consultancy Services, Salem, Tamil Nadu explained the importance of Laboratory quality management system as per ISO/IEC 17025: 2017 and various stages involved in accreditation process. He elaborately explained the list of quality procedures, documents, records involved in the accreditation process as per clauses 4.1 to 8.9 as per ISO/IEC 17025: 2017. He explained the importance of calibration process, Proficiency testing, inter-lab comparisons etc. and other related process. Up to 3 days training was conducted and on the 4th day exam for evaluate the participants competency in Laboratory quality management system as per ISO/IEC 17025: 2017 was held in online mode. All the NABL quality managers and technical managers of various schools/ centres (22 participants) attended the training program.

One Day Seminar on Accreditation and Academic Excellence

The office of **DQAA orgainzed a one day Seminar on "Accreditation and Academic Excellence"** on 19th October 2022 at VIT Vellore. **Dr Renuga Devi S**, Dy. Director DQAA gave the welcome address and Dr. Kuppan P, Director P, explained the importance of the Accreditation and Academic Excellence seminar. **Dr. Partha Sharathi Mallic**, Director, IoE and Rankings addressed about the need of accreditation for HEIs. Also, he released a book titled **"Best Practices of NAAC A++ HEIs"** Compiled by VIT-IQAC. **Prof. S. P. Thyagarajan**, Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women (Deemed to be University), Coimbatore. Former Vice Chancellor, University of Madras, Chennai, delivered inaugural address.

Prof S P Thyagarajan covered important points for academic excellence in HEIs. Overview of NAAC Revised Accreditation Framework (RAF) was elaborately presented by **Dr. Kuppan P**, Director-DQAA & **Dr. Renuga Devi S**, Deputy Director-DQAA. Demystifying NAAC Accreditation Process was delivered **Dr. N. Jayasankaran**, Advisor VITBS. Dr. N. Jayasankarn explained about key elements for getting higher score in NAAC process.

Dr. Thanikaiselvan V, Asst. Director, DQAA thanked all the resource persons and the participants.

One-Day Seminar held on 19.10.2022 in Rajaji Hall, Dr. MGR Block, VIT

AICTE Distinguished Chair Professor Lecture

The AICTE Distinguished Chair Professor Lecture Series was held at VIT, Vellore, on November 10, 2022, at 10.30 am in Anna Auditorium. **Padma Vibhushan Dr. R. Chidambaram**, Former Principal Scientific Advisor to the Government of India & Former Chairman, Atomic Energy Commission, who has been appointed by the AICTE as the Chair Professor at VIT, delivered a lecture entitled **"Emerging Technologies & Technology Foresight"**. This program has been organized by the School of Advanced Sciences and Directorate of Quality Assurance and Accreditation, VIT, Vellore. More than 1500 students have attended the lecture in person besides the participants online. The talk was centred mainly on the need for the basic research and the role of academic institutions,

teachers and students in nation building. He also emphasized the need for making India a leading knowledge economy of the world. He listed out various technologies of relevance that will make India economically developed, scientifically advanced and defence equipped. The talk was followed by the interaction with the students as well as faculty members. The lecture was attended by the Vice-Chancellor, Pro Vice-Chancellors, Registrar, Deans, Directors, faculty members as well as students of both VIT and institutions nearby VIT, Vellore.

Dr. Ramanujam R Asst. Director, DQAA thanked all the resource persons and the participants.

AICTE Distinguished Chair Professor Lecture held on 10.11.2022 In Anna Auditorium, VIT

Interaction Session with Dr. R. Chidambaram for Way Forward of VIT

The interaction session for Deans & Directors with Padma Vibhushan Dr. R. Chidambaram, Former Principal Scientific Advisor to the Government of India & Former Chairman, Atomic Energy Commission, who has been appointed by the AICTE as the Chair Professor at VIT, was held on November 10, 2022, at 02.00 pm in Rajaji Hall. The session was chaired by Vice Chancellor and Registrar of VIT Vellore. The session started with a presentation about VIT milestones and current activities by Dr.P. Arulmozhivarman, Dean-Academic Research. Followed by interaction of Deans and Directors with Dr. R. Chidambaram was held. He appreciated VIT for its credentials and accomplishments. He gave some of the suggestions to look for VIT to take forward. Few of them are given as: Offer more elective courses instead of overloading the core courses.
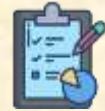

For example, Biology for Engineers, Materials Science, Cognitive Science, etc. Schools and Centres should also engage in Directed Basic Research. Research on Climate Change, Cyber security, Cognitive science to be focused, etc. Finally, Dr. Kuppan P, Director summarised the meeting and thanked all the members for their active participation.

Interaction Session (Brainstorming Session) held on 10.11.2022 (02:00 pm – 03:30 pm) In Rajaji Hall, Dr. MGR Block, VIT

Functional Activities

IQAC Meetings

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.

Constitution of VIT – IQAC:

VIT IQAC is constituted as per NAAC guidelines with Vice Chancellor as the Chairperson, Representatives from Management, Administration, Teachers and Nominees from Local Society, Industry, Academia & Stakeholders (Students, Alumni, Employers and Parents).

IQAC Meeting:

27-09-2022 (Hybrid Mode)

NAAC

- NAAC Coordinators meetings were conducted on
    - › 12-09-2022
    - › 28-09-2022
    - › 16-11-2022
- AQAR 2021-22 preparation

Internal AAA

- Internal Academic and Administrative Audit (AAA) meetings were conducted on 07-10-2022
- Institutional level Academic and Administrative Audit (AAA) was conducted for the period of July 21-June 22 during 10th – 14th October 2022.
- Post Audit Meeting were conducted on the following dates.
    - › 17-11-2022
    - › 21-11-2022
    - › 22-11-2022

NABL

- NABL Coordinators meetings were conducted on the following dates.
    › 20-06-2022
    › 14-07-2022
    › 21-09-2022
    › 12-10-2022
    › 09-11-2022
    › 14-12-2022
    › 21-12-2022

Other Activities

- **Joint DQAA Team Meeting (Vellore & Chennai):**

DQAA Joint campus meetings were conducted towards standardization of IQAC activities and data collection processes.
    › 15-07-2022
    › 17-08-2022
    › 21-09-2022
    › 28-10-2022
    › 30-11-2022

RAAC Working Group Meetings

- RAAC working group meetings were conducted on the following dates.
    › 07-10-2022
    › 30-11-2022
    › 15-12-2022

Events Attended

Dr. Ramanujam R, Asst. Director-DQAA and Dr. Thanikaiselvam V, Asst. Director-DQAA have attended NEP Implementation Pathway Services (NIPS) on ALAP - Academic Leadership Alignment Programme on 13-14th September 2022 conducted by Bharatiya Shikshan Mandal Research For Resurgence Foundation & All India Council for Technical Education

Interactive Workshop

Dr. Kuppan P, Director-DQAA have attended "Achieving excellence in Higher and Technical Education Vision 2047 for Delhi" on 08-12-2022 organised by Govt. of NCT of Delhi

Dr. Kuppan P, Director-DQAA have attended "Quality Assurance in Higher Education: Reflections on Experiences and Expectations" on 12-12-2022 organised NAAC Campus Bengaluru.
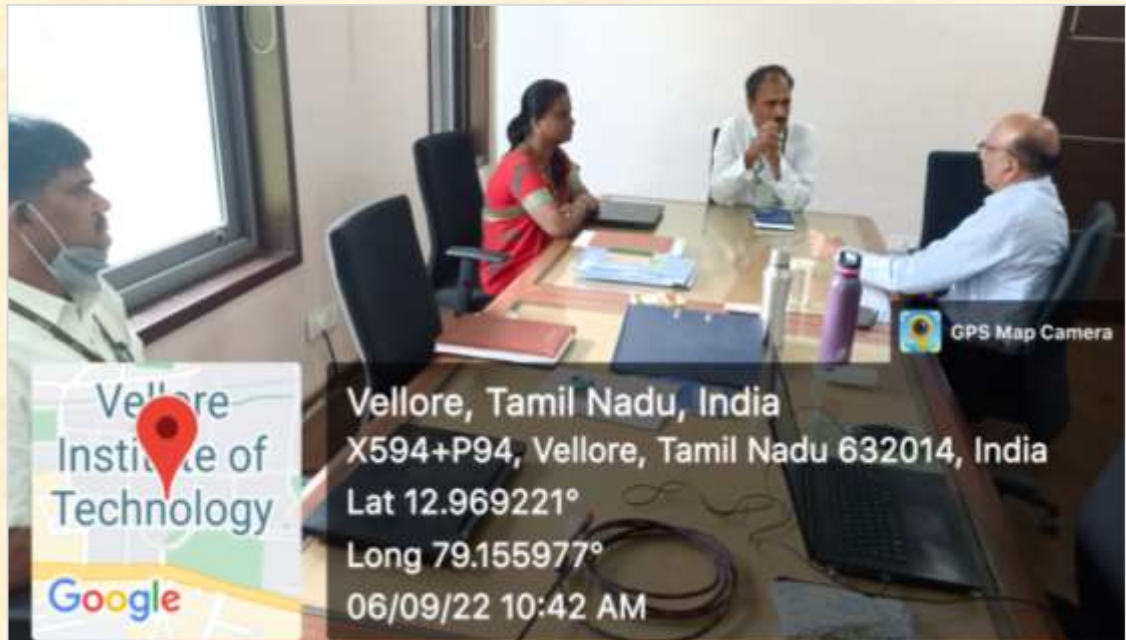
Invited Talk Delivered

Seminar:
Dr. Renuga Devi S, Deputy Director-DQAA have Seminar on Governance, Leadership and Management on Innovative Practices for Quality Enhancement through IQAC in HEIs 29-10-2022 conducted by R.M.K Engineering College Chennai.

Dr. Kuppan P, Director-DQAA delivered a keynote on "NIRF-Ranking-Strategies" on 16-11-2022 conducted by Office of IQAC-VIT Bhopal University.

Visitors to DQAA

A team from Sri Venketeswara College of Engineering (SVCE), Chennai, Dr. S. Gopinath & Dr. KS. Badrinathan visited VIT IQAC on 15-07-2022.

Dr. A. John De Britto, Loyola College, Chennai visited VIT IQAC on 09-09-2022.

VIT Credentials

NIRF Government of India — India Ranking 2022

University **9**   Research **10**   Engineering **12**   Overall **18**

Shanghai (ARWU) Ranking of World Universities (2022)

VIT Ranked (in the World) **601 – 700**

VIT Ranked (in India) **2 - 3**

QS WORLD UNIVERSITY RANKINGS

By Subject, 2022

Seven Subjects are ranked by QS in 2022

Ranked 346th in the World in Engineering & Technology

Subject	World Rank	India Rank
Engineering & Technology - Overall	346th	9
Electrical and Electronic Engineering (EEE)	251 - 300	8
Chemical Engineering	301 - 350	11
Computer Science & Information Systems	301 - 350	8
Mechanical and Manufacturing Engineering	301 - 350	9
Chemistry	401 - 450	10
Biological Sciences	551 - 600	14
Mathematics	451 - 500	11

Source : https://www.topuniversities.com/subject-rankings/2022

Members of IQAC

Chairperson
Dr. Rambabu Kodali, Vice Chancellor
Management Representatives
Dr. S. Narayanan, Pro Vice Chancellor (Vellore Campus)
Dr. V. S. Kanchana Bhaaskaran, Pro Vice Chancellor (Chennai Campus)
Administrative Representatives
Dr. T. Jayabarathi, Registrar
Dr. P.K. Manoharan, Additional Registrar (Chennai Campus)
Dr. R. Murugavel, Controller of Examinations, Vellore
Dr. Viswanathan V, Deputy CoE (Chennai Campus)
Dr. Partha S Mallick, Director-Ranking & IoE
Dr. Hemamalini S, Joint Director – Directorate of Ranking & IoE and DQAA (Chennai Campus)
Dr. M. Anthony Xavior, Dean-Academics (Vellore Campus)
Dr. Nayeemullah Khan, Dean- Academics (Chennai Campus)
Dr. Arulmozhivarman P, Dean-Academic Research (Vellore Campus)
Dr. P.C. Sabumon, Dean-Academic Research (Chennai Campus)
Dr. Rasool M, Director-Sponsored Research and Industrial Consultancy (SpoRIC) (Vellore Campus)
Dr. Sivakumar R, Dean Sponsored Research and Industrial Consultancy (Chennai Campus)
Dr. C. D. Naiju, Director-Students Welfare (Vellore Campus)
Dr. V. Rajasekaran, Director-Students Welfare (Chennai Campus)
Dr. V. Samuel Rajkumar, Director-Career Development Centre (CDC)
Dr. C. Vijayakumar, Director- International Relations
Dr. Subaji M, Director- VITOL (Vellore Campus)
Dr. C. Shanthi, Director-Library (Vellore Campus)
Mr. S. Baskar, Chief Finance Officer
Dr. S. K. Sekar, Director-Estates (Vellore Campus)
Dr. S. Renuga Devi, Deputy Director-DQAA (Vellore Campus)
Dr. A. Brintha Therese, Deputy Director-RAAC (Chennai Campus)
Dr. M. Murugan, Assistant Director-RAAC (Vellore Campus)
Dr. Gunabalan R, Assistant Director, Directorate of Ranking & IoE
Dr. Ramanujam R, Asst. Director-DQAA (Vellore Campus)
Dr. Thanikaiselvan V, Asst. Director-DQAA (Vellore Campus)
Dr. David Maxim Gururaj A, Asst. Director-DQAA (Chennai Campus)
Dr. Vijayakumar T, Associate Professor Grade 1 & Asst. Director-SDC
Mr. C.M. Mohan Kumar, Asst. Director-Systems (Vellore Campus)

Teachers
Dr. Kalaichelvan G, Professor, VAIAL (Vellore Campus)
Dr. S. Balakrishnan, Asst. Professor, SAS, (Vellore Campus)
Dr. J.N. Swathi, Associate Professor, SCOPE (Vellore Campus)
Dr. Annamalai K, Professor, SMEC (Chennai Campus)
Dr. Sweetlin Hemalatha, Associate Professor, SCOPE (Chennai Campus)
Dr. Sekar Sathya Narayanan, Assistant Professor, SENSE (Chennai Campus)

Nominee from Local Society
Mr. M. R Ravi Sankar, Advocate, Vellore

Student Members
Ms. Muskaan Kothari (18BCM0090), Student Representative (Vellore Campus)
Mr. S. Charan (19BEC1114), Student Representative (Chennai Campus)

Alumni Member
Mrs. G. Muthazhagi, Consultant- IT, ERP, DT & BI | CI Strategist | Mentor, Alumni member

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Mr. Ganesh Thirunavukarasu, Acad. Relationship Manager, Tata Consultancy Services, Chennai

Industrialist
Mr. Ponnuswamy K, Managing Partner, Indira Industries, Ranipet, Industrialist

Academia
Dr. G.L. Samuel, Professor, Dept.of Mechanical Engineering, IIT- Madras

Stakeholder (Parent)
Mrs. Rtn. Devi N

IQAC Coordinator
Dr. P. Kuppan, Director-DQAA (Vellore Campus)
Dr. Chitra K, Deputy Director – DQAA (Chennai Campus)

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