Minutes of the 19th Meeting of
IQAC Committee

Office of Quality Assurance

Saturday, October 29, 2022

#42, Avadi-Vel Tech Road, Vel Nagar, Avadi, Chennai – 600 062, Tamil Nadu, India

A.   <u>OPENING</u>

Item No. 19.1   **Call to Order**

The 19th Meeting of Internal Quality Assurance Cell was called to order at 10.30 am on October 29, 2022 in virtual mode by Vice Chancellor Prof. S. Salivahanan

Item No. 19.2   **Members Present/ Absent**

Of the 23 members, one member, Mr. K. Venugopal, Six Sigma Leader, WABCO India expressed his inability to attend the meeting.

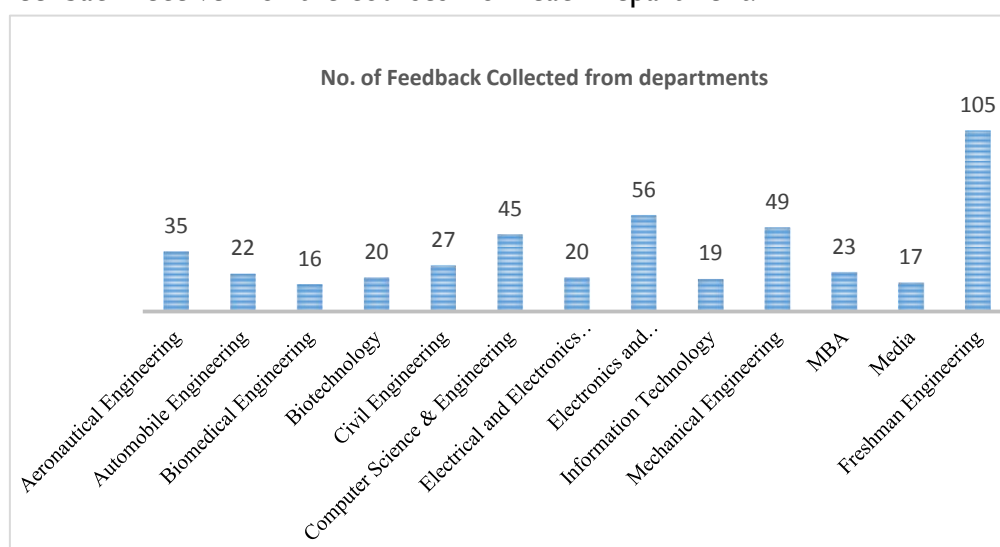*Please refer **Appendix-1 (Page No. 10)** for the list of attendees of this item*

Item No. 19.3   **Approval of Agenda**

The agenda of the 19th meeting of IQAC was approved by the members.

*Please refer **Appendix-2 (Page No. 11)** for the Agenda of this item.*

B.   <u>ITEMS FOR DISCUSSION AND CONSIDERATION</u>

Item No. 19.4   **Consolidated Report of Faculty Feedback on Courses Handled for the AY 2021-22**

Dean Academic i/c (DA) presented the consolidated report of Faculty Members. Feedback on courses handled for the AY 2021-22. Has reported that Vel Tech has a practice of collecting feedback thrice in a year. One feedback is from the faculty members who has handled the course and other two from the students, ie., Interim Feedback and Course End Survey.

Based on the questionnaire given in the feedback survey form each faculty member has to submit their feedback. DA has reported the statistics of feedback received for the courses from each department.

No. of Feedback Collected from departments

DA has also presented the action taken report/ plan of action for the

feedback received for all departments. The details of the report are included for reference.

S. No.	Key Parameters	Observations	Action Taken/ Plan of Action
1	Are the syllabus contents of the course is adequate to attain all the course outcomes?	Yes. Overall feedback is good.	In few courses, course contents are advised to update in the upcoming BoS.
2	Are all the prescribed text and reference books of the course available in our library?	Few departments are planning to increase the number of volumes for the available titles and to procure more number of textbooks and reference books based on their requirement.	Text and reference books procurement has been planned to include in the updated budget of the forthcoming academic year.
3	Adequateness of the total number of periods allotted to complete the delivery of the course content	Course plan has been prepared and verified with the sufficiency of the allocated hours to complete the delivery of the course content	Initiated to take extra classes for the completion of course content to few problematic courses.
4	Extent of pre-requisite knowledge of students with respect to learning of this course content	Most of the courses are mapped with pre-requisites.	Few courses are yet to be updated their pre-requisites based on the changes in the course content. In the upcoming semester, number of hours for those courses is to be increased.
5	Freedom in accessing appropriate teaching aids for	More number of courses are delivered with appropriate ICT	Faculty members are motivated to use different types of ICT tools for handling

		tools	their courses.
	delivering the course		
6	Classroom ambiance for students learning	Yes. Overall feedback is good.	-
7	Accessibility of e-learning resources for the students	Yes. Overall feedback is good.	In future, Faculty member video tutorials are planned to be updated for students in Learning Management System.
8	Have you attended any FDP for this course?	Yes. Overall feedback is good.	The faculty members are encouraged to attend FDPs/ Workshops/ Seminars in their research areas with the financial support of the institution. In addition, initiating to conduct the FDPs in the department level with eminent resource persons from IITs/ IISc/ NITs.
9	Effectiveness of continuous assessments w.r.t. measurement of course outcomes	Yes. Overall feedback is good.	-

DA has reported that, all departments are informed to view the course content relevance and to revise if required in the forthcoming BOS. Based on the technology development the demand of volumes available in the library has to be boosted, for this concern, has advised all heads of department to raise budget in the next academic year and to update required details to the librarian. Few faculty members who handle problematic subjects have raised the need of more hours for the completion of syllabus. For this concern, HoDs are informed to identify and allot extra hours without affecting regular class work. DA has also reported that it all departments concerned are informed to update the pre-requisite based on the changes in course contents. Faculty members are motivated to use different types of ICT tools for handling their courses and to participate FDP/ Workshop/ Seminar in their research areas for which the financial support will be provided.

Item No. 19.5

Placement Highlights for the AY 2021-22

Dean Campus to Corporate (DCC) has reported that the placement activities for the academic year 2021-22 was good. The highlights of the placement department presentation was started with the students enrollment for placements: 1964, students placed: 1463, total offers: 2061, placement percentage: 74.38, first-time recruiters: 113, total recruiters: 255, highest CTC: 44.0 LPA, overall placement percentage is increased w.r.t. to last year: 50%. DCC has also informed that placement percentage against students admitted was 66.56 %, against students enrolment 74.38 % and against graduation 78.19 %. The highest salary package is 44.0 LPA and average salary 4.5 LPA, DCC has informed that in future it is in focus of improving the average salary. In further presentation, DCC has highlighted the recruiter's distribution percentage ie., IT/ITES and product companies are the major recruiters is about 74%, and core & others 14% & 12% respectively, where core companies recruiting percentage has improved w.r.t. the previous year. DCC has informed a few companies like Hyundai, Renault Nissan and Caterpillar have been added newly with the existing recruiters. DCC has reported about the collaborations with recruiters, where capgemini has offered strategic university partnership in the 8th semester for students, as a part of training program. Wipro provides J2EE training to students. The Centre of Excellence in association Virtusa provides training in Java – Full Stack. Cognizant offers Industry elective for students in 5th semester and collaboration with Cognizant for digital Nurture 2.0 initiatives such as Sales Force, Temenos, Java, .NET, & Cybersecurity training. Has also recently signed MoU with RapidData for mendix low-code training.

DCC has highlighted the best practices being followed. Monthly three competitions are conducted namely, CODEATHON, Apptitude, Goup Discussion and Personal Interview. Offers cash prize for each completion, 1st prize – Rs. 5000, 2nd prize - Rs. 3000 & 3rd prize Rs. 2000. Currently working with different employability assessments, eLitmus PH Test, AMCAT (SHL) & CoCubes (Aon).

For the past 1 ½ years the Office of DCC is following a practice that students selecting for interview are given Interview preparation sessions. This year a dedicated laboratory facility for coding training was started with two trainers experienced in coding and clearing students doubts. Students are allowed to walk in to the laboratory between 9.00 am to 9.00 pm. This year the Office of DCC is has newly started PLM Training for Mechanical Engineering Students to focus more students to place in the forthcoming year. Prof. Dr. Muttan appreciated the placement highlights.

Mr. Viswanathan Venkata Subramanian has asked about the steps taken currently for training students in view of improving current year placement. DCC has added that training sessions are in progress. Currently in the 2023 recession situation also placement is good, crossing nearly 750 placements.

Product placement and dream placement last year was 80+ placements, but this year it has crossed more than 180 placements. Keeping placement processing in mind, full stack development, product development trainings are provided. This year civil engineering students also focused on survey placement. Biotechnology is also in sight for placement this year. DCC has extended his view on preparations diversifying in recession time also for providing training and ensuring placement. Mr. Viswanathan Venkata Subramanian has appreciated the efforts taken by DCC and informed to spread placements among all other industries also. Prof. Dr. Muttan enquired about what are all the steps taken for improving the perception of the Institution, because this reflects NAAC, NBA and NIRF. DCC has replied that due to the continuous monitoring of the placed students performance and the feedback about their good work in industry. For the past three years the number of placed students number increased from 500 to 1400. This year is also expecting the same as last year, DCC has added that this happens because the recruiters are still coming forward. Prof. Dr. Muttan has added the highlights that are to be focused and to reach the public via social media and newspapers all over the country. DCC has pointed out the digital marketing team of the institute is focusing on updating the highlights in the social media.

Item No. 19.6	**Statistics on Students & Faculty inbound and outbound activities**

Dean International Relations (DINT) presented the activities focused on MoUs, Faculty Mobility, and Students Mobility. It has been reported that 7 new MoUs were signed in addition to the existing 8 MoUs in view of Faculty Mobility, Student Mobility, Joint Programs and Joint Research Collaboration. In the Academic Year 2021-22, 9 professors in odd semester and 17 professors in even semester, from various International Institutes visited Vel Tech for delivering 2 credit courses which comes under Institute Higher Learning category. A total of 414 students in odd semester and 840 students in even semester were benefitted. Under the category of value education two courses were offered namely, Mandarin Chinese and German where in 210 students were benefitted. In the semester abroad category, a total of 68 students from various departments got the opportunity to complete their project work abroad under the guidance of an International professor. Six students got an opportunity to complete 6 months research internship program at National Chung Cheng University, Taiwan. Through the MITACS research internship programme 15 students got the opportunity to complete a research internship. This internship was conducted online because of COVID 19 restrictions. The funding support to the student was around Rs. 72,000/-. Four students got an opportunity to complete their research internship in Nanyang Technological University - NTU Singapore for a period of six months. Currently one student is undergoing a research internship in Nanyang Technological University - NTU Singapore. A total of 132 students

have opted for higher studies and 87 students are under conditional offer. In Canadian University currently six students are doing research internship programs with a stipend of Rs. 5.40 Lakh for 3 months. On successful completion the students will get Masters admission at Canadian University. In National Ilan University two students from CSE department are undergoing Taiwan Experience and Education Program (TEEP) research internship with a stipend of Rs. 1.95 Lakh. In Chang Gung Univesity three students from ECE department are undergoing TEEP research internship with stipend for airfare, accommodation & living expense. In National Changhua Univesity of Education two students from ECE department are undergoing TEEP research internship with a stipend of Rs. 2.3 Lakh. In National Chung Hsing Univesity three students from mechanical department. are undergoing TEEP research internship with a stipend of Rs. 1.05 Lakh. In Tamkang Univesity two students from mechanical department are undergoing TEEP research internship with a stipend of Rs. 1.67 Lakh. In National Chung Cheng Univesity three students from mechanical department are undergoing TEEP research internship with a stipend of Rs. 2.3 Lakh and airfare stipend of Rs. 26,000. In National Chin-Yi University of Technology (NCUT) Six students from IT, CSE & ECE department are undergoing TEEP research internship with a stipend of Rs. 2.03 Lakh and on campus accommodation. Apart from these programs 25 students got the opportunity to complete Masters in various institutes in Taiwan. A student from mechanical got Erasmus Mundus scholarship program with full funding of Rs. 39 Lakh for a period of 2 years. Prof. Dr. Muttan appreciated the effort taken and gave suggestions to include photos taken with the abroad professors in the respective abroad campus.

Item No. 19.7	**Analysis of Ph.D. admission vs. supervisor vacancy**

Dean Research Studies (DRS) presented the analysis of Ph.D. admission and the vacancies. Ph.D. programmes has started in Vel Tech in the year 2009. Yearly two times recruitment for Ph.D. happens, winter session in the month January and summer session in the month July. DRS has informed that 139 members graduated since inception, out of this 8 were full time. Currently 564 research scholars are pursuing in that 103 are full time scholars and 461 are part time scholars. Out of 103 full time scholars, 79 are national scholars and 24 are international scholars. The full time international scholars are pursuing Ph.D. with 100 % fee waiver. Out of 461 part time scholars 184 scholars are internal scholars and 277 scholars are external scholars. In the academic year 2021-22 winter semester, 128 applications were received, out of which 118 were shortlisted for entrance exam. Based on the performance in entrance exam and interview 63 candidates were selected to pursue Ph.D. programme. In the academic year 2022-23 summer semester, 112 applications were received, 109 were shortlisted for entrance exam. Based on the performance in entrance exam and interview 58 candidates were selected to pursue Ph.D. programmes. The total number of research

supervisors available in all the departments is 530. DRS has reported the following steps have been taken to increase the number of Ph.D. Scholars.

- o Increased the stipend to the scholars from Rs. 5000 to Rs. 15000 per month.
- o Further increased
    - From Rs. 15000 to Rs. 18000 for S&H, MBA and Law scholars with NET and SLET qualification.
    - From Rs. 15000 to Rs. 20000 for Engineering and Technology Scholars
    - For Engineering and Technology Scholars with valid GATE score Rs. 25000 per month
- o Provide 100% fee waiver for International scholars along with Rs. 15000 per month as stipend.
- o Promoting the Ph.D. admission notifications through
    - Social media, Institution website, Brochures and Faculty Members.

Prof. Dr. Muttan told to check whether any of the research projects are commercialized. The outcome of each project has an important role. Also included to categorize the works of all research scholars and find how many projects can be converted to technology, copyright and patent filling. This will improve the ranking of the institution. Prof. Dr. Muttan has also pointed out that by improving the quality of research either technology transfer, patent or copyright then only Ph.D. admissions will improve.

Item No. 19.8   Nomination of Two Student Members for IQAC

Dean Quality Assurance (DQA) reported the existing student member Mr. Rajnikant Kushwaha (VtU13584) has been graduated. Hence, Ms. Pasupuleti Rekha Shanmukhi (VtU19523), 2nd Year CSE and Ms. Sneha Paul. J (VtA1179), 3rd Year B.A. LL.B. have been nominated as student members and submitted for approval to include them in IQAC.

Members approved.

C. ITEMS FOR REPORTING

Item No. 19.9   Accreditation

National Assessment and Accreditation Council (NAAC)
- o Awaiting for NAAC peer team visit for the Second Cycle of Accreditation

National Board of Accreditation (NBA)
The following B.Tech. programs have been further accredited till 30.06.2025
- o Computer Science & Engineering
- o Civil Engineering
- o Electronics & Communication Engineering.

Awaiting for NBA peer team visit for three B.Tech. Programs
- o Aeronautical Engineering
- o Electrical and Electronics Engineering
- o Mechanical Engineering

Members noted.

Item No. 19.10

Rankings Received and Participated

Ranking Received

❖ NIRF India Rankings 2022
  Category
  - o Engineering : 84th, University: Band101-150, Overall: Band151-200
❖ Ranked 174 in Southern Asia QS Asia University Ranking 2023 & ranked in the band 651-700 in QS Asia University Ranking 2023.
❖ Ranked in the band 1201-1500 in Times Higher Education (THE) World University Rankings 2023.
❖ Ranked in the band 801-1000 in Times Higher Education (THE) World University Rankings 2023 by subject: Engineering.
❖ Dataquest has ranked the institution in T-School Employability Ranking 2022
  - o 47th in the overall Top 100 (government and private institute)
  - o 38th in Private sector

Ranking Participation

❖ ARIIA 2023 – Last date for submission – 31.10.2022
  - o Data verification and validation in progress
❖ NIRF 2023 – Registration completed
  - o Data collection is in progress
  - o Participation in the following categories
  - o Engineering, Overall, Research, Management.
❖ THE Impact Ranking 2023- The last date to submit – 11.11.2022
  - o Data collection is in progress

Members noted.

Prof. Dr. Muttan asked for a comparative analysis of each ranking. In addition pointed out to improve the h-Index and in order to improve the same, have discussions with Dean Research & Development (DRD). DRD has informed about the incentives and benefits given to faculty members to promote research. Prof. D. Muttan told to keep an eye for a period of 5 years on target. DRD informed that last year scopus publication count was 740 and this year it is about to reach 1000 publications. DRD informed that all necessary steps have been taken for promoting faculty members who have nil publication. DQA has informed that it's mandatory that all faculty members should publish minimum 2 in Scopus/ SCI indexed journals. Prof. Dr. Muttan insisted on promoting patent publication as well as copyright for software among faculty members.

Item No.
19.11

Any other item(s) with the permission of Chair

Dr. S. Irudayaraj, Professor & Dean (SoMC) has to be added as permanent member of the IQAC.

Dr. S. Muttan pointed to add Quality parameters based on rankings participated in all the meetings.

Members approved.

Item No.
19.12

Date of Next Meeting

The next meeting of IQAC will be during the last week of January 2023 in offline mode.

Item No.
19.13

Concluding with Vote of Thanks by Dean (Quality Assurance)

Prof. Dr. R. S. Valarmathi (DQA) proposed the vote of thanks.

Member Secretary (IQAC)   Chairman (IQAC)

Appendix 1	Members Present/ Absent

Members attended the meeting

Chairman

1. Prof. S. Salivahanan
   Vice Chancellor

Management Representation

2. Mrs. Rangarajan Mahalakshmi K.
   Chairperson and Managing Trustee

Senior Administrator

3. Dr. E. Kannan
   Professor & Registrar

4. Dr. R. Sivaraman
   Controller of Examinations

5. Dr. Carmel Mary Belinda M J
   Professor & Dean (Academics) i/c

6. Dr. E. Balasubramanian
   Professor & Dean (R&D)

7. Dr. P. Chandrakumar
   Professor & Dean (Industry
   Relations &TBI)

8. Mr. P. Vijayaraman
   Dean (Campus to Corporate) i/c

Senior Faculty

9. Dr.V.Srinivasa Rao
   Professor & Dean (SoC)

10. Dr. V. Jayasankar
    Professor & Dean (SoEC)

11. Dr. A. Subrahmanyam
    Professor & Dean (SoL)

12. Dr. M. Siva Kumar
    Professor & Dean (FME)

13. Dr. M. S. R. Mariyappan
    Professor & Dean (SoM)

14. Dr. M. Rajeev Kumar
    Professor & Head (QA)

Employer representation

15. Mr. Viswanathan Venkata
    Subramanian, National Head -
    Engineering Hiring, WIPRO Limited,
    Guindy, Chennai.

Academic Expert

16. Dr. S. Muttan
    Professor, Department of ECE
    Anna University, Gundy, Chennai.

Local Society Nominee

17. Mr. J. E. Simon
    Station Manager Railways (Retired)

Alumni Representation

18. Mr. R. Vinoth (VT1819)
    Project Manager, Mphasis

Special Invitees

19. Dr. S. Koteeswaran
    Professor & Dean (Research Studies)

20. Dr. P. Suresh
    Professor & Dean (International
    Relations)

21. Dr. S. Irudayaraj
    Professor & Dean (SoMC)

Member Secretary

22. Dr. R. S. Valarmathi
    Professor & Dean (Quality Assurance)

Members not attended the meeting

Mr. K. Venugopal, Six Sigma Leader, WABCO India, Chennai, has expressed his inability to attend the meeting.

Appendix 2	Agenda of the 19th Meeting of IQAC Committee

Vel Tech Rangarajan Dr. Sagunthala R&D
Institute of Science and Technology
Office of the Quality Assurance
19th Meeting of Internal Quality Assurance Cell

Date & Time : 29/10/2022 @ 10.30 am

Mode   : Online

AGENDA

A. *Opening*

Item No.		Presenter
19.1	Call to Order	Chair
19.2	To record leave of absence of the members	Chair
19.3	Approval of Agenda of 19th meeting of IQAC committee	Chair

B. *Items for Discussion and Consideration*

Item No.		Presenter
19.4	Consolidated Report of Faculty Feedback on Courses Handled for the AY 2021-22	DA
19.5	Placement Highlights for the AY 2021-22	DCC
19.6	Statistics on Students & Faculty inbound and outbound activities	DINT
19.7	Analysis of Ph.D. admission vs. supervisor vacancy	DRS
19.8	Nomination of Two Student Members for IQAC	DQA

C. *Items for Reporting*

Item No.		Presenter
19.9	Accreditation	DQA

    a. National Assessment and Accreditation Council - Second Cycle

    b. Status of NBA for the following B. Tech. programs
        1. Aeronautical Engineering
        2. Mechanical Engineering
        3. Electrical and Electronics Engineering

    c. NBA Compliance visit for the following B. Tech. programs
        1. Automobile Engineering
        2. Computer Science and Engineering
        3. Civil Engineering
        4. Electronics and Communication Engineering

19.10	Rankings Received and Participated	DQA
19.11	Any other item(s) with the permission of Chair	
19.12	Date of Next Meeting	
19.13	Concluding with Vote of Thanks by Dean (Quality Assurance)	