



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Minutes of 10th IQAC Committee Meeting

Date: 30.01.2019

Date & Time: 21.12.2018 & 10.30 AM

Venue : Vice Chancellor Office

Meeting called to order at 10.30 am by Chairman, Dr. V. Ramachandran, Vice Chancellor

The Vice Chancellor welcomed the members of the IQAC committee.

Members attended the meeting

Dr. A. Koteswara Rao, Professor & Director (Academics)

Dr. P. Sarasu, Director (Industry Relations) & (Research and Development)

Dr. V. Parthasarathy, Professor & Director (Campus to Corporate)

Dr. S. Sivaperumal, Associate Professor & Director (International Relations)

Dr. R. Sivaraman, Controller of Examinations

Mr. Viswanathan Venkata Subramanian, National Head – Engineering Hiring, WIPRO Limited

Mr. K. Venugopal, Six Sigma Leader, WABCO India

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

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

Dr. A. Subramaniam, Professor & Dean/ SoL

Dr. A. T. Ravichandran, Professor & Dean/ SoMC

Dr. N. Gomathi, Professor (CSE)

Dr. J. Viswanath, Associate Professor (Mathematics)

Dr. N. Vinoth Kumar, Assistant Professor (ECE)

Mr. Donga Hemanth (Vtu9146), II Year CSE

Dr. A. Abudhahir, Director (Quality Assurance)

Members who could not attend the meeting

The following members, who haven't attended the meeting, conveyed their leave of absence to the Chair/ Member secretary.

Mrs. Rangarajan Mahalakshmi K, Chairperson and Managing Trustee

Dr. E. Kannan, Professor & Registrar

Dr. Sharad Mhaikar, Pro-Vice Chancellor, SVKM's NMIMS (Deemed to be University)

Dr. V. Jayasankar, Professor & Dean/ SoE



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Approval of Agenda

Motion: To approve the agenda for 10th IQAC meeting held on 21st December 2018.

Resolved: Agenda for the meeting on 21st December 2018 has been approved with the following modification. The Chair included the following one item based on the request of Director (Campus to Corporate) with the consent of IQAC members. Item 10.A: Improving employment of graduates in core and product companies.

Vote: Motion Carried.

The detailed discussion on agenda item #10.4, is given below.

Item #10.4: Annual Quality Assurance Report (AQAR) for the Academic Year 2017-18
Presented/ Brought forward by: Director IQAC
Suggestions given by: Mr. Viswanathan/WIPRO, Mr. Venugopal/ WABCO, Dr. A. Koteswara Rao/ Director (Academics), Dr. S. Sivaperumal/Director (International Relations), Dr. P. Sarasu/ Director (R&D), Mr. R. Vinoth/Alumni (Project Manager, Mphasis).
Discussion: <p>The Chair appreciated the efforts taken by Director (IQAC) and Director (Academics) towards quality education and the real happening of CBCS in the campus, which is unique. The Chair called Director (IQAC) for his presentation. Director (IQAC) presented Annual Quality Assurance Report (AQAR) for the Academic year 2017-18, its plan of Action and the achievements. He mentioned about the NAAC Re-assessment that the Institutional Information for Quality Assessment (IIQA) has been submitted and approved by NAAC. He highlighted the two Programmes namely, Mechanical Engineering and Aeronautical Engineering have been accredited for three years valid from 2017-18 to 2019-20 in the second cycle. He also discussed about the applications submitted to various National/International rankings and ratings, where he mentioned about QS I-GAUGE, hoping for Diamond or Gold Rating. He shared that 10 UG Programmes, 19 PG programmes, MBA programme and Ph.D Programmes have received approval from AICTE. Mr. Viswanathan, WIPRO questioned whether approval from AICTE is required for deemed to be universities? Director (IQAC) and Director (Academics) explained about the necessity of approval in detail.</p> <p>Director (IQAC) mentioned about placing more students in product based IT companies and Core Engineering companies. Director (Campus to Corporate) explained the considerable improvement in product based IT companies but no significant improvement in core Engineering companies. He added that Complimentary Skill courses on Programming, coding and logic related are also offered to students in addition to equipping students for coding competitions.</p> <p>Director (IQAC) shared numbers of existing programmes, Faculty details in terms of their designations and the count of faculty with Ph.D. Mr.Viswanathan, WIPRO suggested to set a vision of 100% faculty members with Ph.D. He also enquired whether the newly recruited</p>

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faculty members are experienced or fresher. Director (IQAC) replied that about 70 to 80% of the faculty are experienced. Director (Academics) added that Faculty with no experience are encouraged to attend one week FDP in their domain.

Director (IQAC) highlighted the ongoing research projects, number of patents filed and the quality of publication with reference to its impact factor. Director (R&D) explained in detail about the patent filling and its procedure. Director (IQAC) also pointed out that the institution encourages the faculty to attend conferences by sponsoring the full amount.

Director (IQAC) presented the library budget and the amount spent on maintenance. He also presented about the total number of students in UG, PG and Ph.D programmes. He added that the institution attracts the best research scholars based on GATE score and expects full time scholars by providing stipend amount which ranges from Rs.15000 to Rs.32000.

Director (IQAC) mentioned about the number of students placed in Campus Placements. Finally, he presented the action plan of the year 2018-2019. He requested Director (Academics) to explain about the establishing of Battery Engineering. Director (Academics) explained about the Battery Engineering Lab to be established which costs around Rs. 40 Lakh to Rs. 50 Lakh that could benefit Automobile Engineering students.

Mr.Viswanathan, WIPRO suggested to include the role of Alumni towards the institution in the Action Plan. Director (IQAC) mentioned that Alumni Meet is conducted at different locations with regular intervals. Mr. Venugopal, WABCO questioned about the Objective of the Alumni Meets. Director (Academics) answered him that the Alumni get updated about the present status of the institution which attracts them to enroll for higher education. In addition to this, alumni interact with the existing students explaining the industry needs. Mr.Vinoth, Alumni shared his experiences by saying that Alumni bridge the gap between industry and institution. Alumni feedback are collected in curriculum Designing. Director (IQAC) added that Alumni are the right persons to say whether the institution has fulfilled its promises.

Action(s) to be taken	Person(s) responsible
<ul style="list-style-type: none"> Submission of AQAR 2017-18 to NAAC 	Director (Quality Assurance)
<ul style="list-style-type: none"> Placing more students in product based IT companies and Core Engineering companies. 	Director (Campus to Corporate)
<ul style="list-style-type: none"> To create an Alumini bridge towards the industry and institution. 	Director (Academics)

The detailed discussion on agenda item #10.5, is given below.

Item #10.5: Curricular Reforms	
Presented/ Brought forward by: Director (Academics)	
Suggestions given by: Mr.Viswanathan/WIPRO, Mr. Venugopal/ WABCO, Mr. J. E. Simon/ Station Manager Railways (local society)	
<p>Discussion:</p> <p>Director (Academics) differentiated the system followed in Academics up to 2014-2015 and from 2015-2016 onwards. He explained about the course registration process where the students can select the faculty. While discussing about the timings, Mr. Simon shared his experience about his son studying in first year. He said that he was worried initially because of his son who was completely engaged in project work. He also wondered how a first year student is busy with projects. After his discussion with Dean FME, he realized that his son's future is in safe hands. Director (Academics) mentioned about the Intensive Semester Course for one month, which helps the students to take internship for a period of 9 months instead of 6 months. These 9 months internship benefits students in their project, Master programme abroad and more career options. Director (IND) added that such internship helps core subject students to get placed in core company. Director (Academics) shared that 9 students are offered jobs immediately after their internship at Hyderabad. Mr. Viswanathan/ WIPRO appreciated the initiative.</p> <p>Director (Academics) presented about CDIO standard 3 on Integrated Curriculum, a curriculum designed with mutually supporting disciplinary courses, with an explicit plan to integrate personal and interpersonal skills, and product, process, and system building skills. Director (Academics) explained in detail about PBL (Problem/ Project Based Learning). He also shared how PBL is practiced in Netherland and how they combine couple of courses as Project Module. Director (Academics) mentioned about CDIO and its 130 collaborations in 6 regions.</p> <p>Mr.Viswanathan, WIPRO raised a question as how often the curriculum is revised. Director (Academics) replied that once in every four years curriculum is revised and any course can be changed/ updated once in 6 months with the approval of BoS. Each faculty with Ph.D can offer one elective course related to their research, which benefits both student and faculty. Mr. Venugopal suggested to introduce courses with perspectives of industry too. Director (IQAC) explained how modifications are made in Course Content through Course/ Module Coordinators Meetings.</p>	
Action(s) to be taken	Person(s) responsible
Integrated curricula have to be designed based on CDIO syllabus and considering the perspectives of industries.	Director (Academics)

The detailed discussion on agenda item #10.6, Action(s) to be taken and Person(s) responsible are given below.

Item #10.6: Quality of Research publications and sponsored research projects proposals	
Presented/ Brought forward by: Director (Research and Development)	
Suggestions given by: Mr.Venugopal/ WABCO	
Discussion: <p>Director (R&D) presented the details of publications in Web of Science (WoS) and Scopus. She mentioned that most of the SCI papers are from Basic Sciences & Humanities. She pointed out that measures have to be taken to increase the number in (WoS) from Engineering departments. She shared that Rs.10, 000 is given as incentive for each paper published in WoS. Ten faculty members are recruited exclusively for research. She concerned much on faculty timings utilized for organizing events and other purposes rather than spending in research. Potential faculty are involved in all works. After further discussion, Director (IQAC) suggested that feedback can be collected on two aspects namely, Teaching/ Learning and Research. Mr. Venugopal/ WABCO suggested to involve students in organizing events that will help to improve their leadership qualities.</p>	
Action(s) to be taken	Person(s) responsible
Prepare Questionnaire and Collect feedback on Teaching/ Learning and Research and perform analysis.	Director (IQAC)

The detailed discussion on agenda item #10.7, Action(s) to be taken and Person(s) responsible are given below.

Item #10.7: International Exchange Programme – Faculty and Students	
Presented/ Brought forward by: Director (International Relations)	
Suggestions given by: Vice Chancellor, Dr. P. Sarasu/ Director (IND) & (Research and Development), Mr. Venugopal/WABCO	
Discussion: <p>Director (International Relations) presented the status of faculty exchange - incoming. He mentioned that the visiting faculty should contribute towards research and period of stay in the campus should be at least for 3 months. Director (IQAC) suggested that the period can be increased from 3 months to 6 months. He pointed out that faulty level interaction is less in the bottom level. He also said that faculty outgoing is Nil and the opportunities are unutilized by the faculty. Clear Policy – Period, Salary, and Agreements etc., should be framed. Vice Chancellor advised to frame policy and after getting approval in the BoM, the same shall be posted in the web portal. He also presented about students exchange - incoming that around 15 students are admitted every year. He pointed out that faculty members are not ready to guide the students. Director (R&D) clarified that the research area of the faculty is different from the student. Director (International Relations) suggested to upload the research area of the faculty in the web,</p>	

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so that students can approach directly to the guide. He mentioned that if Faculty exchange – outgoing increases, student exchange – incoming increases.

Director (International Relations) presented that 9% of final year B.Tech students have visited foreign universities.

Director (Academics) insisted that industries must assign internships to the students on their domain knowledge.

Mr. Venugopal/ WABCO commented that WABCO consciously follows that students are allotted the project accordingly. He also suggested that students have to be counseled in their career.

Action(s) to be taken	Person(s) responsible
Policy has to be prepared on Faculty exchange – outgoing	Director (International Relations)

Item #10.A: Improving employment of graduates in core and product companies.

Presented/ Brought forward by: Director (Campus to Corporate)

Suggestions given by: Mr. Vishwanathan

Discussion:

The Chair called Director (Campus to Corporate) to present on training and placements. He explained the present placement detail in batch wise. He highlighted that Capgemini is strategic partner of our institute. Mr. Vishwanathan suggested to identify the students young and groom them for coding contest. Director (Campus to Corporate) mentioned that 58 students were identified and training has been given to them. He also mentioned about the internships and their placements followed by the companies visited to campus. The Chair asked to highlight the measures taken to increase the placements. Director (Campus to Corporate) informed that new software is introduced for registration. He emphasized that the trainers are recruited exclusively for training.

Action(s) to be taken	Person(s) responsible
Measures to be taken to improve product based and core engineering placements.	Director (Campus to Corporate)

The details of the reported items are given below.

Item #10.8: Accreditation
Presented/ Brought forward by: Director (IQAC)
Description: <p>Director (IQAC) mentioned that four programmes received NBA Accreditation, IET Academic Affiliate – Inaugurated on 30th August, 2018 and Initial review proposal received from IET for seven UG programmes. Submitted ABET readiness review report for B.Tech Mechanical Engineering.</p>

Item #10.9: Rankings and Rating
Presented/ Brought forward by: Director (IQAC)
Description: <ul style="list-style-type: none"> • GHRDC Engineering College Survey – 2018 <ul style="list-style-type: none"> ○ Ranking of Top Engineering Colleges of Eminence - 1st in India ○ Top Engineering Colleges Ranked by State - 5th in Tamil Nadu ○ Top 25 Engineering Colleges Ranked by Faculty, Research, Consultancy, EDP & Other Programmes - 15th in India ○ Top 25 Engineering Colleges Ranked by Placements, USP, Social Responsibility, Networking & Industry Interface - 14th in India • CSR-GHRDC B-Schools Survey 2018 – 7th in Tamil Nadu • Participation in THE Impact Ranking 2019.

Item #10.10: Quality related Programmes organized/ Attended.
Presented/ Brought forward by: Director (IQAC)
Description: <p>Director (IQAC) listed</p> <ul style="list-style-type: none"> • Seminar on “Engineering Education for 21st Century” - QS India Summit New Delhi on 15th & 16th October, 2018 • IET International Higher Education Workshop - Seminar at TOM University of Twente, Netherlands on 6th & 7th November, 2018

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Item #10.11 & 12: AISHE 2018-19 & Interim Feedback
Presented/ Brought forward by: Director (IQAC)
Description: <p>Director (IQAC) mentioned that data collection for AISHE 2018-19 & Interim Feedback is completed for summer semester.</p>

Announcement: The Chair announced that the next meeting will be held on 22nd March 2019. Director (IQAC) thanked all the members for spending their valuable time towards the quality enhancement of Vel Tech.

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Member Secretary
(IQAC Committee)

Prof. Dr. A. Abudhahir
Director Quality Assurance

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CHAIRMAN
(IQAC Committee)
Dr. V. Ramachandran
Vice Chancellor

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