Minutes of the
11th Meeting of IQAC
(Online)

INTERNAL QUALITY ASSURANCE CELL (IQAC)
T.K.M. COLLEGE OF ENGINEERING, KOLLAM-5
23rd November 2020

Minutes of the 11th Meeting of IQAC
T. K. M. College of Engineering, Kollam – 691005
Online meeting (Link: meet.google.com/cyx-ihxk-uve)
Date & Time: 23/11/2020 at 3:00 pm

Agenda:

A1. Confirmation of minutes of previous IQAC meeting

A2. Action taken report based on previous meeting

A3. Report on activities and initiatives of IQAC

A4. NAAC- AQAR of the academic year 2019-20

A5. Reporting of academic and research activities

A6. Academic Audit

A7. Suggestions / Feedback of members

A8. Any other matter permitted by the Chairman of IQAC

Members:

Dr. T. A. Shahul Hameed (Chairman, IQAC)	(Attended)
Dr. M. Haroon (Member, Trust)	(Attended)
Mr. Afsal Musaliar (Industrialist)	(Attended)
Dr. S. Bindu (Professor, CE)	(Attended)
Prof. Abid Hussain (Associate Prof. & Head, EC)	(Attended)
Dr. Annie John (Professor, AR)	(Attended)
Prof. Syed Muhammed Fahd (Assistant Prof., ME)	(Attended)
Dr. K. E. Reby Roy (Associate Prof., ME)	(Attended)
Mr. A.K. Najeem (AA, Office)	
Mr. Afzal A.M. (Office)	(Attended)
Er. K. Sivadasan (Chairman, IEI, Kollam)	(Attended)
Er. P. Anil Kumar, CTO, TKM Infotech (Employer)	
Dr. Muhammed Sadhikh (Alumni Member)	(Attended)
Mr. Azad Rahul, College Union (Student Rep)	(Attended)
Dr. A. Sadiq (Coordinator, IQAC)	(Attended)

IQAC Coordinator
CO-ORDINATOR, IQAC
TKM College of Engineering
Kollam

IQAC Chairman
Dr SHAHUL HAMEED T.A
PRINCIPAL
THANGAL KUNJU MUSALIAR
COLLEGE OF ENGINEERING
KOLLAM-5

The Meeting started at 3.00 PM in Google Meet platform. Principal (the Chairman of IQAC), formally welcomed the members. Principal invited the coordinator of IQAC, Dr. Sadiq A., to present the minutes of the meeting and the corresponding actions taken report.

A1. Confirmation of minutes of previous IQAC meeting

IQAC Coordinator presented the minutes of the previous meeting held on 04/11/2019. The committee discussed various aspects presented in the minutes. During the discussion principal clarified the following:

(a) UG program of Production Engineering got provisional accreditation for 3 years from NBA. College has filed appeal in NBA on the result given for the UG program in Chemical Engineering.

(b) Budget for the financial year 2020-21 was presented in BOG and BOG has approved the budget.

(c) The new AMS, Etlab was identified because of its capability to handle admissions, fee payments, TC issue and office administration along with academic and research data. The committee approved the minutes after focused discussion on the minutes.

A2. Action taken report based on previous meeting

Decisions of the previous meeting	Actions taken
1. The compliance report of both the UG Programmes in Production Engineering and Chemical Engineering are to be submitted to NBA in December 2019.	Submitted the compliance reports in December 2019. NBA team visited the institute in January 2020.
2. NAAC-AQAR for the academic year 2018-19 is to be submitted by December 2019.	Submitted NAAC-AQAR for the academic year in December 2019.
3. For developing the budget plan, it was decided to empower CPC. Budgets are to be initially discussed at DMC and subsequently at CPC.	Budget proposals for the FY 2020-21 were discussed in the DMC of respective departments. The proposals were collected from all Departments.
3. It was decided to retain the present student feedback system and also to strengthen the existing feedback system for other stakeholders.	All departments conducted online stakeholders meeting and collected feedback.
4. Decided to periodically update the documents of the activities related to academics, administration, research and infrastructure in the IQAC Office.	Data are being collected periodically through the AMS Etlab. Categorized list of files were also given to every department to update documents periodically
5. Decided to conduct IQAC meeting in every three months and review the activities of the institute.	Could not be conducted due to unexpected situation developed due to CoViD-19
6. Decision was taken to form a committee for identifying effective alternatives for the AMS to comply with the requirements of OBE.	A committee consisting of 5 members were constituted. Evaluated the features of a few OBE based Academic Management Systems software such as Linways AMS, VM Edulife

	(Bombay) and Etlab. Introduced Etlab by Etuwa Concepts Pvt. Ltd.
7. Discuss the matter on effectively utilizing the activity and advisory hours in HoD meeting.	Discussed this matter in HoD meeting

A3. Report on activities and initiatives of IQAC

The Coordinator presented the activities and initiative of IQAC. The committee appreciated the activities of IQAC. The presented report is attached as **Annexure-A.**

A4. NAAC- AQAR of the academic year 2019-20

The Coordinator presented the NAAC-AQAR prepared for the academic year 2019-20. The HEI web portal on which the data were uploaded was also shown in the meeting. Coordinator informed the committee that the AQAR for the academic year 2019-20 will be submitted to NAAC after review, by the month of December 2020.

A5. Reporting of academic and research activities

Coordinator presented the academic results of 2016 – 20 batch (last passed out batch) and research activities in the college for the past two years along with the current status. The presented report is attached as **Annexure-B.**

The following discussion were occurred based on the reporting:

(a) Principal commented that the pass percentage has been improved compared to previous years. However, the failure of about 28% students is a serious concern and this is being addressed specially now in the college. As an answer to the question raised by Er. K. Sivadasan, Principal informed that the college is talking special steps such as forming students' peer group for learning, addressing at-risk students and their parents, conducting viva and quizzes for every theory course apart from regular tests and such activities to improve the pass percentage of the college.

(b) Er. K. Sivadasan suggested that a journal from the college shall be initiated in order to improve the research aptitude of the college. Dr. M. Mohammed Sadhikh informed that every department publishes technical magazine in which students can publish their articles. Principal also commented that initiatives to start a journal shall be taken by the college.

(c) The data presented for consultancy amount is inaccurate. Principal added that we have improved in consultancy considerably and the amount can come near to Rupees 1 Crore in this academic year.

A6. Academic Audit

Coordinator informed that the college has completed e-academic audit this time in online method due to the special situation prevailing due to Covid-19. Conducted e-Audit report will be uploaded in KTU portal once the portal opens for uploading.

A7. Suggestions / Feedback of members

(a) Dr. M. Haroon Suggested that the college should plan for post Covid support of the society. Principal informed that the college has very actively responded to the need of the society. We have developed medical ventilator and has submitted to the district medical council. Universities has recognised our efforts to support the society in fighting Covid-19. The college developed fund and given to the government. The activities of the Covid war room setup at the collectorate was supported by our staff and students. Considering all these AICTE has awarded the college the Certificate of Excellence, "AICTE – Utkrisht Sansthan Vishwakarma Award – 2020' ("India Fight Corona") and recognized this college in position 3 among all institutes in India which supported the society in fighting Covid-19.

(b) Dr. A. Sadiq suggested that a content development center and an educational broadcasting channel should be established in the college with appropriate recording and editing facility in a studio. This can be used to support the needy learners of the society by providing online education. Principal opined that this suggestion is in alignment with the institution development plan. He confirmed that this facility will be established.

(c) Dr. Annie John supported the suggestion by Dr. Sadiq and added that our college should start MOOC kind of courses.

(d) Prof. S. M. Fahd suggested that a regular platform should be provided to students to publish and present articles right from their first year, so that their communication skill and additional knowledge would be better by the time they reach final year. He also suggested that we should develop automated methods to analyse the available data regarding academics and research so that our analysis and policy decision can be improved.

(e) Mr. Azad Rahul commented that students use IEDC, IEEE and other professional platforms to enhance their communication and interpersonal skills and for overall development.

A8. Any other matter permitted by the Chairman of IQAC

Principal informed the following matters to the members:

(a) The college has started two new PG programmes, Artificial Intelligence and Transportation Engineering in this academic year, and students have joined for the programmes.

(b) The intake of B. Tech programme in Computer Science & Engineering has been increased by 60 more in this year.

(c) One more batch of B. Tech in Mechanical Engineering has been started in the place of B. Tech in Mechanical-Production Engineering

(d) A new website for the college will be launched in January 2021.

The technical support for the meeting was rendered by Dr. P. P. Muhammed Shanir.
The meeting ended at 4.15 PM.

Attachments:
1. **ANNEXURE – A: Report on activities and initiatives of IQAC**
2. **ANNEXURE – B: Reporting of academic and research activities**
3. **Minutes of previous meeting (4/11/2019) – already uploaded**

ANNEXURE – A: Report on activities and initiatives of IQAC

The activities and initiatives by IQAC after the previous IQAC meeting are:

Activities:

1. Coordinated the NBA visit to UG programmes of Production Engineering and Chemical Engineering. The provisional accreditation for production engineering UG programme has been extended for 3 more years. The college filed appeal to NBA for the accreditation for the UG programme in Chemical engineering. Result is awaited.

2. Accreditation status of PG programmes in Mechanical Engineering (IRCE) and Civil Engineering (SE&CM) has been extended till 30 June 2020 by NBA.

3. Submitted the pre-qualifier for the two PG programmes (IRCE and SE&CM) to NBA.

4. Submitted the Annual Quality Assurance Report (AQAR) for the AY 2018-19 in December 2019. Received review of the report. Reply has also been submitted to NAAC based on the comments. (Submitted the AQAR to NAAC in December 2019 as per their revised guidelines. AQAR is a document that is to be submitted by every institution accredited by NAAC.)

5. Evaluated the features of a few OBE based Academic Management Systems software such as Linways, VM Edulife (Bombay) and Etlab. Introduced the AMS Etlab by Etuwa Concepts Pvt. Ltd.

6. Coordinated trainings on the AMS Etlab for the AMS coordinators in all departments in multiple sessions. Coordinated induction training on the AMS for HoDs, Faculties and Staff of the college in multiple online sessions through Google Meet.

7. Developed the guidelines for conducting online classes during the CoViD-19 lockdown period and implemented in the college. From the new academic years onwards, all classes are being conducted through the single AMS Etlab. Live online classes are being conducted through Google Meet as per published schedule.

8. Conducted and online FDP on 'Effective utilization of Digital Platforms for Content Development and Delivery' for all faculty and instructors of the college during 4-14 August 2020. The FDP provided training on various aspects of live and recorded online classes.
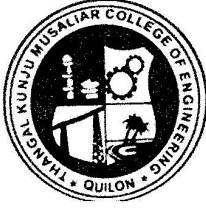
9. Organized counselling session for students of the college in the background of the unprecedented situation developed due to CoViD-19. The online session was convened in Google Meet and the session was handled by Dr. Arun B. Kumar, Consultant Psychiatrist, Govt. Medical College, Thiruvananthapuram.

10. Conducted student satisfaction survey (as per the template published by NAAC) for the final year students in the last academic year (2019-20).

11. Preparation of AQAR for the academic year 2019-20 has been done.

Initiatives:

1. The AQAR for the academic year 2019-20 is being uploaded in the NAAC portal.

2. First internal e-Audit for the academic year 2020-21has been completed.

23/11/2020   **IQAC Coordinator**

Remarks by Principal:

ANNEXURE – B: Report on Academic and Research Activities

Academics:

   a) **University Results 20216 – 20 Batch:**

The overall pass percentage for the college is 71.26 % (543/762). Compared to the performance of previous year, the pass percentage has marked an increase of 11%.

TKMCE could secure first position (rank) in Civil Engineering (AAYISHA S. AHAMED - CGPA 9.84), Electrical and Electronics Engineering (CAROLINE MARIA JOHN - CGPA 9.78) and Mechanical-Production Engineering (AKHILA L - CGPA 9.48) in the APJAKTU. AAYISHA S. AHAMED (CE) stands third on the overall credits in all branches in the University.

 In the top 10, the following are the positions bagged by the college:

Branch	Highest CGPA	Positions
Civil Engineering	9.84	1
Mechanical Engineering	9.68	7
Mechanical Production	9.48	1-6, 8-10
Computer Science Engineering	9.53	8
Electrical & Electronics Engineering	9.78	1, 8
Electronics & Communication Engineering	9.59	10
Chemical Engineering	9.25	4, 7, 9, 10

There is a substantial increase in number of honours degree produced by the college. TKM College of Engineering stood first in number of students who became eligible for B. Tech (Honours) degree, when the B. Tech results of the 2016-20 batch were announced. 242 students of the college became eligible for B. Tech (Honours). In the previous year's result, the count was 114. The B. Tech (Honours) degree is awarded to consistently high performing students who secure a minimum CGPA 8 without any backlogs and secure 12 additional credits by passing additional courses of PG level standard. This achievement is very special because the system could maintain its excellence amidst the chaos of a paradigm shift in academic delivery and the changes adopted in the unprecedented background of CoViD-19 pandemic.

TKMCE stands 6th in Academic Performance Index (API) with index 6.01 even while making a very high number of students (762) registered for the exam.

b) Placements:

The 2016 – 20 batch received record number of placements and more than 75% of the students who opted placement got selected in various companies. The average salary and the highest salary grown to 4.5 Lakhs and 11 lakhs respectively.

Sl. No.	Details	2018 - 19	2019 - 20	2020-21
1	No. of Companies visited	56	39	5
2	No. of students placed	341	402	12
3	Average salary	4	4 LPA	
4	Maximum Salary	18	11 LPA	11 LPA
5	No. of training program organized	6	5	2

Placement record for past two academic years and current status
(2020-21 data is for the duration June – Oct 2020)

c) Research:

Journal Publications			
Impact Factor	Year 2018-19	Year 2019-20	Year 2020-21 (till Nov 2020)
<1.5	30	38	19
1.5- 2	8	11	2
2- 2.5	1	10	1
>2.5	10	21	8
Total	49	80	30

Research Funding (in Rupees)			
	Year 2018-19	Year 2019-20	Year 2020-21 (till Nov 2020)
External	27,26,000	35,06,600	64,11,400
TEQIP- II	5,73,000	17,48,300	1,47,500
Others	1,10,000		
Total	34,09,000	52,54,900	65,58,900

Consultancy (in Rupees)			
	Year 2018-19	Year 2019-20	Year 2020-21 (till Nov 2020)
1.	24,20,000	5,53,000	10,000*
			* Incomplete data received

Patents			
	Year 2017-18	Year 2018-19	Year 2019-20
Filed			1
Published	2		2
Granted		1	

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