

# MINUTES

## 20<sup>th</sup> MEETING OF IQAC

*Held on 09.09.2021*



UNIVERSITY OF KERALA

# Minutes

## **20<sup>th</sup> Meeting of IQAC, University of Kerala**

**Date: 09.09.2021**

**Day: Thursday**

**Time: 5.00 p.m.**

**Venue: Senate Chamber**

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**Members:**

**Present**

1. Prof. V. P. Mahadevan Pillai, Vice - Chancellor (Chairman)
2. Prof. P. P. Ajayakumar, Pro Vice - Chancellor (Vice-Chairman)
3. Dr. S. Nazeeb, Member, Syndicate
4. Dr. K.G. Gopchandran, Member, Syndicate
5. Dr. K. S. Anil Kumar, Registrar
6. Sri. R. Mahadevan, Finance Officer
7. Dr. A. Bijukumar, Vice -Chairman, Credit and Semester System
8. Dr. Vinod Chandra S. S., Director, Computer Centre (i/c)
9. Dr. A. K. Prasad, Professor, Department of Economics
10. Dr. K. S. Chandrasekhar, Professor and Head, Institute of Management in Kerala
11. Dr. B. Hariharan, Professor and Head, Institute of English
12. Dr. Jayachandran R., Professor and Head, Department of Hindi
13. Dr. R. B. Binoj Kumar, Professor, Department of Geology
14. Dr. S. Mini, Professor, Dept. of Biochemistry
15. Dr. S. R. Sheeja, Professor, Department of Economics
16. Dr. S. Aji, Associate Professor, Department of Computer Science
17. Dr. E. Shaji, Associate Professor and Head, Department of Geology (Joint Director, IQAC)
18. Dr. Gabriel Simon Thattil, Director, IQAC

**Absent**

1. The Chairman, Department Students' Union
2. The Chairman, Research Students' Union
3. Dr. Unnikrishnan S. M., Associate Vice – President, International Business & Strategic Planning, HLL Life care Ltd, Poojappura.
4. Dr. Biveesh U. C., Research Officer & Nodal Officer, RUSA State Office, Thiruvananthapuram.

**Special invitee**

- Dr. R. Jayakrishnan, Associate Professor, Department of Physics

# Items for Consideration

## Item No. XX.01: Approval of the minutes of 19<sup>th</sup> meeting of IQAC held on 05.07.2021:

The minutes of the meeting were circulated via email through IQAC office and the members have confirmed the same.

## Item No. XX.02: Action Taken Report on decisions of the 19th meeting of IQAC held on 05.07.2021:

Decision	Action Taken
<b>Item No.XIX.03: Filing of SSR</b> <i>---IQAC Decision---: IQAC took stock of the preparation made after apprising the details on the IIQA filed. Review was made on SSR compilation and IQAC approved the plan of action which is in progress.</i>	NAAC SSR criteria wise presentation commenced on July 6, 2021 and is still in progress
<b>Item No.XIX.04: Review of updated Website</b> <i>---IQAC Decision---: The remodelled University website was presented by the Programmer of the Computer centre. Hon'ble Vice-Chancellor and other members provided input on visuals, links and pages to be included. Resolved to authorise IQAC Director and members to work with Computer Centre on updating facts and figures in the website so as to align the same with the SSR for accreditation.</i>	In progress
<b>Item No.XIX.05: Establishment of Digital garden at Kariavattom campus - Proposal by Dr. A. Gangaprasad</b> Dr. A. Gangaprasad, Director, Centre for Biodiversity Conservation submitted a proposal with anticipated estimate budget of labelling of plants with QR code in Palayam and Kariavattom campus as part of establishment of Digital garden at Kariavattom campus ( <i>Appendix I</i> ). <i>---IQAC Decision---: Resolved to approve the proposal and seek approval from the Syndicate with the request for financial support</i>	An amount of Rs. 1,45,000/- (Rupees one lakh forty five thousand only) was sanctioned as Provisional Advance to Dr. A. Gangaprasad.

## Item No.XX.03: NAAC Accreditation - IIQA and SSR uploading

NAAC has approved the IIQA as part of the Accreditation process and the portal for submission of SSR is now open. University have been directed to submit data with the assessment period from 2016 to 2021 (from June 1, 2016 to Sept. 2021).

1. The online SSR has to be submitted within 45 days from the date of acceptance of IIQA
2. Fee for accreditation :
  - a) Total amount of A&A Fee - For Universities and Professional Institutions - Rs. 3,00,000/- + GST18%
  - b) Logistics Fee: Institution has to pay an advance, towards logistic expenses for the arrangement of Peer Team Visit, after clearing Pre-qualifier stage, which is as follows:- For University the Fee structure of logistics will be Rs. 3,00,000 + GST 18% for Three (3) days of visit

*---IQAC Decision---* The Director IQAC presented the status on NAAC accreditation process in terms of approval of IIQA, SSR compilation, sessions held for SSR and the work done on the same. The efforts put in by the Criteria conveners and the support from the Hon'ble Vice Chancellor, Pro Vice Chancellor, members of the Syndicate were acknowledged.

Details of Accreditation fees to be paid were presented:

A. Assessment & Accreditation Fee - Rs. 3,00,000/- + GST18%

B. Logistics Fee - Rs. 3,00,000 + GST 18%

**Resolved to seek funding of Rs. 10 lakhs as per the NAAC requirements (including fees and other expenses) under the head h/a "Part I - NP - MH:63 Miscellaneous - 8/5993-NAAC Visit related expenses" of the current year's Budget Estimates of the University.**

**University to initiate reimbursement measure on accreditation fees from UGC once the Accreditation process is over.**

### Item No.XX.04: Technology Transfer - Department of Physics with V- Measures Private Ltd., Thiruvananthapuram - Water cut Meter

Dr. R. Jayakrishnan, Associate Professor, Department of Physics, University of Kerala submitted a proposal from V-MEASURE Private Ltd with regard to purchase and transfer of technology 'Water Cut Meter' from him. An amount of Rs. 2,00,000/- (Rupees Two Lakh Only) was offered by the company for the transfer of technology, envisioned by the company that will be used in petroleum industry. Dr. Sabu Joseph, Director, University Consultancy Cell forwarded the proposal along with the request for signing of a technology transfer agreement in order to complete the proceedings of the purchase and product development and attached the draft of the technology transfer agreement.

#### **The details of the proposal as follows:**

**Subject:** Proposal for the technology transfer of Water- Cut Meter

**Technology:** expecting photoluminescence based technology having accuracy better than the present Gama ray absorbance technology in measuring the percentage of water content in a mixture of multiphase fluid over the full range of water-cut (0~100%) and Gas-void fraction (GVF, 0~100%)

**Technology Ownership:** Once the purchase is completed, the technology will belong to the company in entirety.

**Deliverables:** Expected deliverables that shall be covered within the technology transfer agreement are as follows:

- Development of a functioning prototype of "Water-cut Meter"
- Complete the Technology Transfer
- Additional technical support during the initial phase of product manufacturing
- Mutual cooperation on technology improvements and upgrades
- Long term relationship including royalty, which shall further be detailed in aforementioned agreement

**Tenure:** Technology transfer to be completed within a maximum of not more than One (1) Year, from the start date of signing of the Technology Transfer Agreement

**Budget Amount: Rs. 2 Lakh**

HEAD	AMOUNT(Rs.)
Technology Transfer fee @48.5%	97000/-
Overhead charges- KUF @ 12.5%	25000/-
Overhead charges- DDF @20%	40000/-
GST @18%	36000/-
Additional Cess @ 1%	2000/-
<b>TOTAL</b>	<b>200000/-</b>

**Technology Ownership:** Once the purchase is completed, the technology will belong to the company in entirety.

**Technology Transfer Agreement:** The transfer of technology shall be governed by a mutually agreed agreement, in which further terms shall be defined.

The matter was placed in the meeting of the University Consultancy Cell held on 29.03.2021. The Committee considered the item and recommended to forward the matter to IQAC as this item is not falling under Consultancy head. The meeting of the Syndicate held on 07.05.2021 resolved to approve the recommendation of the University Consultancy Cell.

**---IQAC Decision---** The proposal was discussed in detail; Dr. Jayakrishnan R. explained the modalities. Revenue sharing from the transfer was proposed at the following rates:

- Technology Promoter (Investigator) - 30 %
- Department - 35% and
- University - 35%.

University to be acknowledged by the Owner on the product label.

A committee to be formed to formulate a policy on such transfers with funding with following constitution:

1. Dr. K. G. Gopchnadran, Member, Syndicate (Convener)
2. The Finance Officer
3. Dr. A. Bijukumar, Professor, Department of Aquatic Biology and Fisheries
4. Dr. Binojkumar, Professor, Department of Geology

**Resolved to approve the proposal.**

**Item No.XX.05: Refund of unutilized provisional advances sanctioned to Director, IQAC**

The following provisional advances sanctioned to Director, IQAC are remaining unutilized or partially utilized:

1.	Academic Summit	Rs. 4,45,000/-	U. O. No. IQAC/55/2020 dated: 24-01-2020
2.	University Level Academic Audit (Performance Audit)	Rs. 10,00,000/-	U. O. No. IQAC/56/2020 dated: 10-02-2020
3.	Two day workshop on initiating project proposal	Rs. 2,50,000/-	U. O. No. Ad.Misc.1/IQAC-4.2/2019-'20
4.	Training for teachers on e-content development	Rs. 5,00,000/-	U. O. No. Ad.Misc.1/IQAC-4.1/2019-'20

**---IQAC Decision---** The IQAC Director presented the details of unutilized/partially utilised provisional grants sanctioned for various projects as follows:

1. Academic Summit - Rs. 4,45,000/- (partially utilised)
2. University Level Academic Audit (Performance Audit) - Rs. 10,00,000/- (unutilized)
3. Two day workshop on initiating project proposal - Rs. 2,50,000/- (unutilized)
4. Training for teachers on e-content development - Rs. 5,00,000/- (partially utilised)

The projects could not be executed due to the COVID Pandemic in 2020 and as directed by the Hon'ble Vice Chancellor, the same were carried forward to the year 2020-21 with concurrence from Finance wing. However, the second wave of the Pandemic and the subsequent commencement of accreditation process made it difficult to carry out the same. Under such circumstances, permission is being sought to refund the same and seek fresh release after the NAAC accreditation process is complete. Also approval is sought on accepting the refund without penal interest as the fund remained in the IQAC Current Account

**Resolved to approve the refund the Provisional Advances sanctioned for Academic Summit, University Level Academic Audit (Performance Audit), Two day workshop on initiating project proposal and Training for teachers on e-content development without penal interest and seek fresh release after the NAAC accreditation process is complete.**

## Items for Reporting

### **Item No.XX.06: Nobel Laureate - Zoology - Conduct of 'Travel Through Nobel Winners' Programme- Prof. Martin Chalfie**

IQAC, Department of Zoology, Department of Aquatic Biology & Fisheries, Department of Chemistry and AcREM-Stem, University of Kerala in association with Central University of Kerala, Kasaragod organized a Nobel Laureate Talk under scheme "Travel Through Nobel Winners" on Monday, 19<sup>th</sup> July 2021, at 5:30 p.m. in the online mode. The talk was presented by Prof. Martin Chalfie (Nobel Laureate-Chemistry 2008), University Professor and Former Chair, Department of Biological Sciences, Columbia University, USA.

**---IQAC Decision---** *Noted*

### **Item No.XX.07: Nobel Laureate - Chemistry - Conduct of 'Travel Through Nobel Winners' Programme- Prof. Roald Hoffmann**

IQAC and Dept. of Chemistry, University of Kerala hosted the event where living legend and Nobel laureate in Chemistry, Prof. Roald Hoffmann of Cornell University on 10<sup>th</sup> August, 2021 at 06:30 pm through online mode. This talk was titled as 'Chemistry's essential tensions: Three views of a science in culture'. The wonderful, thought-provoking talk was followed by very fruitful discussion where several participants raised queries. To one query about the duality of curiosity vs utility in science research, the Professor explained that one should teach students how to think. He expressed his happiness that his work of concerted reactions, although did not personally yield him any patent,



thousands of patents had emerged from his findings on concerted reactions. He opined that both creativity and utility should be encouraged equally. The entire presentation of Prof. Hoffmann is available on the e-content channel – KU Padasala

**---IQAC Decision---: Noted**

#### **Item No.XX.08: NAAC SSR - Criteria -wise Presentations**

NAAC SSR criteria wise presentation commenced on July 6, 2021 and is still in progress.

**---IQAC Decision---: Noted**

#### **Item No.XX.09: Submission of AQAR 2019-20**

The Annual Quality Assurance Report (AQAR) covering the period 1st July 2019 to 30th June 2020 is submitted online to NAAC on 27th August 2021 under the supervision of Dr. Sheeja S. R., Professor, Department of Economics

**---IQAC Decision---: Noted**

#### **Any other items approved by the Chair**

#### **Item No.XX.10: Proposal from Dr. Sreejith P., Assistant Professor, Department of Zoology-Conduct Industry Linked project**

Dr. Sreejith P., Assistant Professor, Department of Zoology submitted a short proposal and an acceptance letter from Akay Natural ingredients Private Limited to evaluate various in vitro and in vivo studies of natural products and extracts to exploit their potential and safety for skin/hair health applications. The submitted proposal is the initial one, and many more projects are in the pipeline.

#### **Proposal - Industry Linked Project**

#### **Proposal for conducting various in vitro and in vivo studies of natural products and extracts to exploit their potential and safety for skin/hair health applications**

#### **Company asked for the study:**

**Akay Natural ingredients Private Limited,**  
Ambunad, Malaidamthuruth P.O, Ernakulam,  
www.akaygroup.com

#### **Department going to initiate:**

Advance Centre for Regenerative Medicine and Stem cel research in Cutaneous Biology (AcREM-Stem),  
Dept. of Zoology, University of Kerala

#### **Title of the Current Project: Elucidating the Effectiveness of CurQskin in the Skin Cancer Induced Animal Models- reg**

In this program, we evaluate the anti-cancer efficacy of CurQskin (Winner Nutra Ingredients Asia-2021), a product developed by Akay Natural ingredients Private Limited.

The budget details for the implementation of the project are submitted as follows:

Sl.No.	Budget Head	Total Amount Rs.
I.	Working Budget	
1.	Workforce Rs. 12,000/Month (6 Months)	Rs.72,000/-
2.	Chemicals and Consumables	Rs.1,00,000/-
3.	Contingency	Rs.50,000/-
4.	TEM and SEM analysis	Rs.30,000/-

5.	Miscellaneous	Rs.10,000/-
6.	TA and DA	Rs.5,000/-
7.	Honorarium to the Consultants (Consultant Fee)	Rs.5,000/-
	Total Cost	Rs. 2,72,000/-

**Total Budget of the Project: Rs. 2,72,000/-**

M/S Akay Natural ingredients Private Limited, vide letter dated 08.09.2021 addressed to Dr. Sreejith P. informed that they approved the proposal on various in vitro and in vivo studies of natural products and extracts to exploit their potential and safety for skin/hair health applications and are ready to provide financial assistance.

**---IQAC Decision---: Resolved to approve the proposal from Dr. Sreejith P., Assistant Professor, Department of Zoology for conducting various in vitro and in vivo studies of natural products and extracts to exploit their potential and safety for skin/hair health applications with a total Budget of Rs. 2,72,000/- by receiving financial assistance from M/S Akay Natural ingredients Private Limited, Ernakulam.**

**Item No.XX.11: Reconstitution of CAS Screening Committee under IQAC**

**---IQAC Decision---:Dr. S. Nazeeb, Member, Syndicate suggested to reconstitute screening committee for CAS under IQAC. The committee was reconstituted as follows:**

- 1. Director, IQAC (Convener)**
  - 2. Prof. Binoj Kumar R. B., Department of Geology**
  - 3. Prof. Jayachandran R., Department of Hindi**
- Resolved to approve the same.**

**Item No.XX.12: Capturing data of the University under NAAC criteria - After accreditation process**

**---IQAC Decision---:Dr. Shaji E. proposed to have a system to continue capturing data of the University under NAAC criteria even after the accreditation process is over and Prof. K. S. Chandrasekhar suggested to have a team of youngsters in the NAAC Directorate to continue with the Quality assurance steps after the accreditation is over, as a step to have a line of leadership ready for the next cycle.**

The meeting came to an end by 6 p.m.

**Dr. Gabriel Simon Thattil**  
**Director**  
**Internal Quality Assurance Cell**  
**University of Kerala**

**Dr. V. P. Mahadevan Pillai**  
**Chairman**  
**Internal Quality Assurance Cell**  
**University of Kerala**