IQAC ANNUAL REPORT 2020-21

The Covid-19 pandemic has posed a challenge to the activities of IQAC. However, with much enthusiasm IQAC of the college has organized different programmes.

Significant Activities of IQAC

1. Taking into account of the lock-down imposed socio-economic impact of the society, the IQAC has formulated a new Remedial and Mentoring policy.

Remedial Policy

All Departments are advised to conduct the first internal test and identify Slow Learners, Average Advanced Learners and outstanding learners on the basis of the marks obtained.

Categories based on test

Slow Learners < 40 marks

Average Learners- 41-60 marks

Advanced Learners-61-80 marks

Outstanding Learners > 81 marks

Slow Learners

- Remedial classes will be made mandatory for all students under this category.

- Remedial classes shall be conducted as sessions before / after regular teaching hours.

- Assignments and quizzes are to be given on a regular basis.

- They will be encouraged to participate in academic activities of respective departments.

- Towards the end of each month, a performance evaluation will be made.

Average Learners

- They can attend the remedial classes with the recommendation of the tutor concerned.

- They will be encouraged to prepare class notes and answer the previous years question papers, which in turn will be evaluated by the teacher concerned.

Advanced Learners

- They will be encouraged to prepare essays on contemporary issues and will be asked to discuss it with the class during free time.

- They will be encouraged to participate in peer teaching for Slow Learners and asked to help average learners with problem solving sessions.

- They will be motivated to prepare for competitive examinations like JAM, NET, CSIR etc.

- They will be encouraged to do online courses like MOOC and NPTEL.

- They are to be also encouraged to participate and present papers in seminars.

Outstanding Learners

- They are to be encouraged to apply for student projects financed by different institutions.

- They will be given opportunity to represent the institution in intercollegiate, state level and national level programs.

- They will be given opportunities to attend the motivational talks given by eminent personalities.

- They will be given cash awards, certificates, medals for their outstanding performance.

- All departments are advised to keep separate registers for remedial teaching, peer teaching and tutorial.

Mentor Policy

Roles and Responsibilities

- The role of mentor is to provide academic as well as personal support to the mentees.

• A proper record of the mentee details, mentor-mentee meetings, activities done is to be maintained.

Responsibilities of a Mentor:

• At the beginning of the programme, a group of students, selected by the tutor, are assigned to each mentor.

• The mentors are expected to help their mentees cope and flourish in their new learning environment.

• The mentor will act as a friend, coach and guide for the mentee.

• The mentor is expected to have frequent and structured interactions with mentees so as to maintain a close relationship with them.

• The mentor will play a significant role in the achievements of mentees by contributing to their welfare on both academic and personal fronts. She/he will also provide required assistance to enhance professional competence and employability of mentees.

2. The second cycle of accreditation is nearing completion. During the criteria wise discussion regarding the uploading of the pending AQAR, several suggestions were come up. The committee felt that the upgradation of the website was the need of the hour. As per the suggestion to reconstitute the website committee, Dr. Ajesh S. R., Smt. Maya P. K., Mr. Sanu S. J. and Mr. Arunkumar A. were selected as additional members.

3. "Virtuosa" the online Zoom Platform organized under the theme " Transcending Lockdown Barriers Through Academic Outreach" has conducted a Faculty Improvement Programme during the period 12 th August 2020 to 18th August 2020. The programme was first of its kind in the history of the college and was a grant success.

4. Modified website was inaugurated by Hon'ble President of Travancore Devaswom Board Adv. Sri. Vasu N through online mode (zoom Platform) on 5th August 2020

5. Even in the midst of lockdown, departments were arranged a large number of webinars and other online activities.

6. Departments were advised to create YouTube channels and Facebook pages.

7. In order to promote the idea of paperless office, IQAC has initiated the establishment of an Educational resource Planning Software (ERPS)

8. Frequent training were given to teachers to make them familiar with the usage of ERPS software.

9. During the pandemic induced lockdown period a system is developed in unison with the CLMC to monitor the online classes taken. Teachers are advised to fill the details of classes taken in the google form and the consolidated list was published every weekend.

10. A local chapter of NPTEL was started under the convenorship of Dr. Shemeena Basheer N. and several students started to enroll into different courses of their interest.

11. IQAC had taken initiative for conducting diploma/ certificate courses in renewable energy by the Department of Physics in collaboration with ANERT (Agency for New and Renewable Energy Resources and Technology). The state level inauguration of this renewable energy courses offered by ANERT was on 2nd October 2020.

12. Up gradation of the Language Lab with more facilities by seeking help from the Management was planned.

13. As part of 'Save Sasthamcotta Lake 'initiative, one-day awareness programme was organized.

14. Institutional data is submitted to NIRF.

15. A survey was conducted in the different nearby Gramma Panchayaths of Kollam District of Kerala to ascertain the awareness of the people about the novel corona virus and the consequent pandemic, the challenges they faced and the best practices adopted by them to combat the pandemic. The report was submitted to the UGC.

Department webinars

1. Department of Mathematics conducted a one day talk on "LATEX type setting". The programme was conducted on 18th h February 2021. The resource person was Ms. Adithya G S. The main objective of this seminar is to prepare students to use LaTeX for type setting their BSc final dissertation.

2. As part of the International Pi Day celebration, the Department of Mathematics, KSMDB College, Sasthamcotta, conducted a special invited talk on the topic "Conformal Mapping". Resource Person: Dr. S. Babu, Former HoD, Department of Mathematics, University College, Trivandrum.

3. As part of Bodhi Multidisciplinary National Seminar 2022, Department of Mathematics organized a talk on "Introduction to Data Mining". Key note address was given by Shri.Hari V.G. In the afternoon session, students of UG and PG classes presented papers. Certificates were issued to all participants

4. Online lecture –"Lightning- Science and safety" on June 21,2020 by Dr. V Sasikumar, Former Scientist, NCESS, Thiruvananthapuram

5. Online lecture - 'What is the ecological future of Kerala' by Dr. T V Sajeev, Senior Principal Scientist, KFRI, Thrissur on October 3, 2020

6. Online- lecture- 'Black Holes and Other End Stages of Stars' by Dr. K Indulekha, Professor and Former Director, School of Pure and Applied Sciences, M G University on October 9th 2020, as part of world space week celebration.

7. Online lecture –'Physics on the Roads 'by Dr. VaisakhanThampy, Assistant Professor, Department of Physics, MG College, Thiruvananthapuram on October 15, 2020 as part of Students day celebration

8. Online lecture- Super Resolution Microscopy and its Applications by Dr. Nithin Mohan, Assistant Professor, BSBE, IIT Kanpur on February 28, 2021 as part of science day celebration.

9. Student webinar series on Eminent Scientists- Their lives and Achievements, entitled "Beautiful Minds-Cherishing Moments" were started under the banner of Association of Physics Students on 19-06-2020, 28-06-2020 and 19 -7-2020 by First, Second and Forth Semester Students

10. Training sessions were conducted for Lab assistants

11. Association of Physics Students organized webinar on "Sir C. V. Raman: The Legend" on February 28, 2020

12. The Department of Hindi organized the world Hindi day celebration on 10th June 2021 via online mode, under the convenorship of Dr. Sandhya Menon. This event was inaugurated by our Principal Dr. K.S. Anil Kumar and presided over by the HOD, Dr. Dhanya L. Dr. Sajith J Sasi, HOD and assistant Professor, SN college, Varkala, delivered the speech.

13. "Covid awareness class" was conducted in collaboration with Kerala Sakshartha Mission and Hindi Department on 12th June 2021.

14. On the occasion of the Reading day(19th June), a lecture was delivered by Prof. Lekshmi Kumari, Rtd. Selection Grade Lecturer, Malayalam Department, Women's college, Thiruvananthapuram, during the programme conducted by Hindi Department in collaboration with Kerala Sakshartha Mission club. Dr. Dhanya L, HOD Department of Hindi was the convenor of the programme.

15. On the occasion of 'Prem Chand Jayanti' (31st July) an invited talk was organized via google meet. Dr. Suma A, Assistant Professor, Victoria College, Palakkad delivered a Lecture.

16. A one day workshop was organized to students for LED making, in association with Dr. Rakesh Chandran S. B., Assistant Professor, S. D. College, Alappuzha

17. Faculty of the department of Hindi attended the workshop conducted by the University of Kerala on Student Life Cycle Management (SLCM)

18. The Dept of Zoology organized an online quiz program in connection with the observance of World Environment Day on 5-6th June 2020

19. In association with the Health Education club, the Dept of Zoology organized a webinar on Life style diseases on 30th July 2020. The session was handled by Dr. Jayant Thomas Mathew. MD, DM, FRCP; Member, IMA Former Professor of Nephrology, AIMS, Thrissur., Senior Consultant Nephrologist, Modern Hospital, Kodungallur.

20. The Dept of Zoology conducted a webinar on 'know your Kidneys' on 21st August 2020 in association with Health Education Club of the College. A speech on the topic was made by Dr. Jayant Thomas Mathew, Eminent Nephrologist, Modern Hospital, Kodungallur.

21. A Career Guidance webinar was conducted on 'Shaping Your Tomorrow-Making Choices in Life and Career' by Mr. John Samuel, Consulting Adviser to the UNDP, on 4th September 2020 at 11.30am. Principal Dr. K.S. Anil Kumar formally inaugurated the webinar.

22. The Dept of Zoology, in association with the Social Forestry Extension Unit, Kollam, conducted a webinar on Global Warming and climate change on 16th September 2020 at 11am in order to observe Ozone Day 2020. The session was handled by Dr. S. Gopakumar, Director of Education, Kerala Agricultural University, Thrissur. The webinar was inaugurated by Sri Dinesh S, Assistant

Conservator of Forests, Social Forestry Extension Unit, Kollam. Sri Somasekhara Pillai, Forest Officer, Social Forestry Extension Unit, Kollam proposed the Vote of thanks.

Awareness Programme on Student Support Services

• IQAC in association with CLMC, Anti- Ragging Cell and grievance redressal cell organized induction-cum-orientation programme to newly enrolled students of UG.
• Regularly monitors the academic progression of students and interacts with department authorities to impart effective learning.

• The feedback taken from students regarding the curriculum, organized by IQAC, was an effective method in understanding the interest and comments of the students about the existing academic programmes.

• On the basis of revised remedial coaching for slow-learners under Scholar Support Programme (SSP) of Government of Kerala.

• Strengthened Tutorial sessions for all classes.

• A Nodal Officer was appointed to Pass regular information to students about availability of scholarships, higher education, career and competitive examination opportunities

• IQAC ensures active participation of students in research by providing awareness classes on available internship as well as funding schemes offered by various funding agencies.

Student Skill Enhancement Programmes
  • Department of physics conducted workshop on LED making

- Regular training process were arranged for B. Sc Physics Students in collaboration with Prominent an ISO certified company.
- Department of Mathematics conducted a one day talk on "LATEX type setting" which help the students to use LaTeX for type setting.
- Experiential learning workshop was organized for last semester UG and PG students by the department of Physics. Mr. Vaisakh A R& D Engineer and Service Manager, Prominent, Kozhikkode was the resource person

ENHANCEMENT OF TEACHER COMPETENCE

Details Of Teachers Attending Professional Development Programme.

Name of teacher	Programme	Duration
Aathman A.V.	Faculty Development Programme	12-08-2020 to 18-08-2020
Arunkumar A	Refresher Course	11-03-2021 to 26-03-2021
Dhanya S.R	Short term Course	01-09-2020 to 10-09-2020
Dr. Geethakrishnan Nair P.	Refresher Course	10-02-2021 to 23-02-2021
Dr Malini Murali	Faculty Development Programme	12-08-2020 to 18-08-2020
Dr Remya G R	Induction Programme	01-03-2020 to 30-03-2020
Dr Renu Sree S	Faculty Development Programme	12-08-2020 to 25-08-2020
Dr Shelma R	Induction Programme	02-11-2020 to 01-12-2020
Dr. Binusreejayan	Orientation Programme	02-11-2020 to 01-12-2020
Dr. Dhanya L.	Induction Programme	01-03-2021 to 30-03-2021
Dr. Dileepkumar R	Orientation Programme	18-05-2021 to 17-06-2021
Dr. Jayasree. S. T	Orientation Programme	04-06-2021 to 01-07-2021
Dr. Manju M	Induction Programme	12-08-2020 to 18-08-2020
Dr. Santhi Jose	Induction Programme	19-06-2021 to 18-07-2021

Dr. Sreegith T. G.	Faculty Development Programme	15-09-2020 to 30-09-2020
Dr. Susanth S.	Faculty Development Programme	10-02-2021 to 23-02-2021
Dr.Meera A.P	Faculty Development Programme	08-07-2021 to 14-07-2021
Dr.Pradeep Kumar.K.S	Refresher Course	25-06-2021 to 08-07-2021
Dr.Preetha G.Prasad	Faculty Development Programme	12-08-2020 to 18-08-2020
Dr.Santhi Jose	Refresher Course	20-07-2021 to 03-08-2021
Dr.Suma ND	Faculty Development Programme	01-10-2020 to 15-10-2020
Dr.Susmi Sabu	Faculty Development Programme	12-08-2020 to 18-08-2020
Jyothi Lekshmi T. M	Faculty Development Programme	03-08-2020 to 07-08-2020
Lisa Pavithran	Faculty Development Programme	12-08-2020 to 18-08-2020
Manju M	Faculty Development Programme	12-08-2020 to 18-08-2020
Maya P K	Induction Programme	31-08-2020 to 14-09-2020
Ragi R G	Faculty Development Programme	12-08-2020 to 18-08-2020
Sanu S J	Orientation Programme	18-05-2021 to 17-06-2021
Shinoj S.	Orientation Programme	18-05-2021 to 17-06-2021
Sreelekshmy H G	Faculty Development Programme	15-09-2020 to 30-09-2020
Sreelekshmy S V	Faculty Development Programme	17-08-2020 to 26-08-2020
Vijayalekshmi. R	Refresher Course	20-03-2021 to 03-04-2021
Vishnu M	Orientation Programme	18-05-2021 to 17-06-2021
Dr Shemeena Basheer	Induction Programme	01-03-2021 to 30-03-2021