



**INTERNAL QUALITY ASSURANCE CELL
UNIVERSITY OF KERALA**

NEWS LETTER

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January 2020**



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22. Dr. Gabriel Simon Thattil, Director, IQAC

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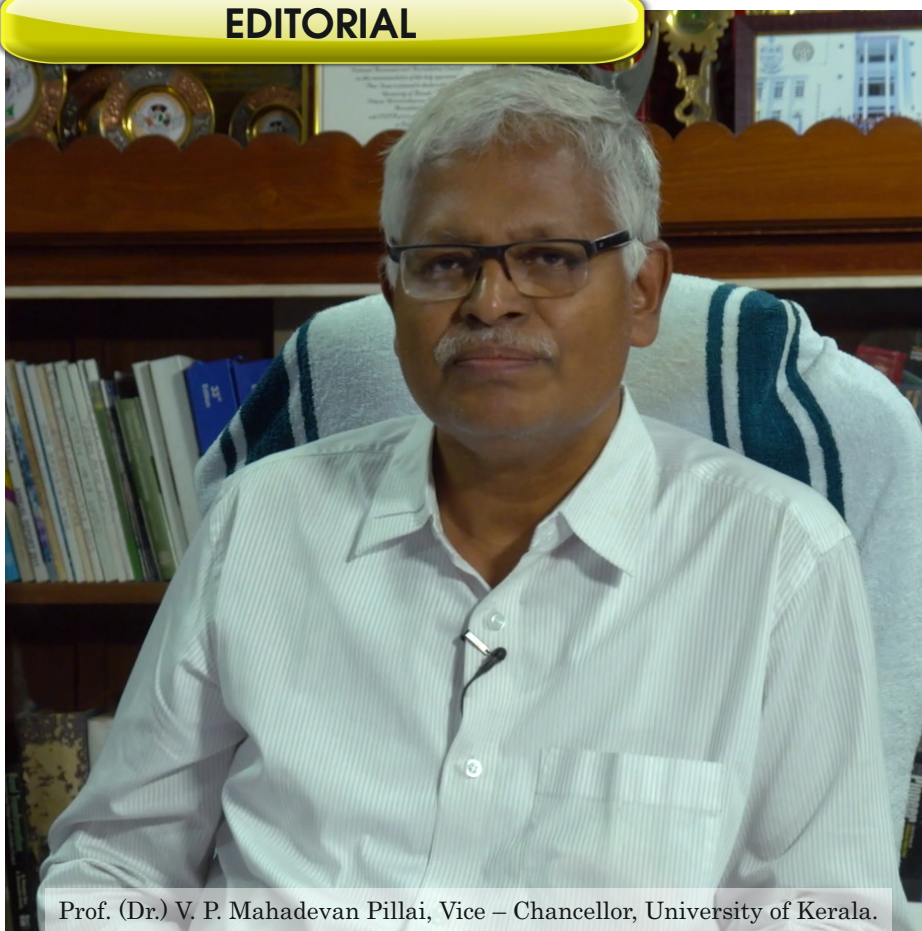
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EDITORIAL



Prof. (Dr.) V. P. Mahadevan Pillai, Vice – Chancellor, University of Kerala.

Research in Society

Our University distinguished itself as it was ranked 22nd among universities in India in the NIRF Ranking 2019. It was also ranked 49th among universities in India in the QS World Ranking in 2019.

I take this opportunity to congratulate all our teachers, students and staff on this dedicated achievement. As in the past, this year too also there were ups and downs in our academic and other processes, but we did meaningfully transform our system with timely conduct of examinations and publication of results. We started new academic programmes, recognized great researchers of eminence (award of D.Sc), and learnt from best global practices through interaction with eminent scholars.

We added a new wing to the Examination Block, completed work on CLIF and inaugurated the Dr. K. R. Narayanan Memorial Students Amenity Centre and the ONV Memorial Language Block.

We reaffirmed our pledge for

social and national integration by observing Kargil Vijay Diwas in association with the Southern Air Command where over 2000 students participated.

Our university has traditionally encouraged Basic Research. Times are changing and we need to transform our thinking to touch upon the pragmatics of application oriented research with a supportive transformation agenda. For, research outcomes need to be linked to societal change and social transformation. Research begins with an issue in the society, a need felt or a reality observed and the process is initiated to create knowledge on the same. This in turn ends up in terms of a thesis or a summary project report, a fraction in publications, very few in to patents (IPR). The fraction that goes back to the society in terms of products, services and meeting the societal aspirations and concerns is minimal.

I urge my colleagues to focus on

making research socially relevant through applications for research outcomes in transforming society. The fruits of research would simplify life for the common man in areas as diverse as agriculture, medicine, technology, language studies, social sciences or human sciences. With this vision, our university has initiated several inter disciplinary cutting edge research programs.

We have initiated the scheme for Scientific Social Responsibility and have shown our commitment to work for social transformation. We would also like to associate with local bodies, Schools and NGOs to forge new linkages. Our village adoption schemes of 2019 are testimony for this. The Palliative Care Initiative and preliminary work on health care as well as health insurance are all steps initiated in this line.

I wish to emphasize that 2019 is crucial for our university as we have initiated the NAAC re-accreditation process for Cycle 3; the coming year would be our accreditation year where as a team let us rededicate our efforts to consolidate, document, and present all that we have done in the last five years to help the university to attain the best possible grade.

I congratulate IQAC and its team for the many initiatives they have undertaken in 2019. I call upon all our teachers, students and staffs to co-operate and support the initiatives of the IQAC in promoting quality so as to enable us achieve our vision of a Centre of Excellence in Higher Education.

Let us be proud of our university and take its rich heritage forward with pride dignity and glory.

I wish IQAC a rewarding year ahead.

Prof.(Dr.)V. P. Mahadevan Pillai
Vice Chancellor
University of Kerala

CHALLENGING TIMES AHEAD

University of Kerala has tried to focus on equity and social inclusiveness even from within its traditional mode, reorienting itself to take advantage of modern thought and practices in terms of high- tech learning and high – end research. We have excellent manpower, committed to hard work, good leadership and dedicated students with a creative mind. Putting systems in place to take advantage of this manpower and creating a favorable eco-system is a challenging task. Encouraging and fostering innovative thinking in an ever demanding environment is even more challenging.

While looking back and reviewing our plan of action for 2019, I find that we could achieve certain things which are normative and certain things which are novel and yet other things which are considered very trivial but have great impact on the performance and productivity of our teachers and students. Let me start with the category referred to as the last one, the trivial things which we do not always value as serious. This includes the timely carrying out of CAS promotion of our teachers. There was a time when this took years. This year witnessed carrying out CAS in the shortest span of time. Another important initiative was the interdisciplinary learning and research at the School level through the hosting of the Annual Interdisciplinary Academic Meet. We have activated the Center for Industrial and Academic Collaboration through interventions that support students.

Some of the activities of IQAC which we carried out with great

expectation include Interaction with Eminent Scholars. We invited very eminent Scholars from abroad to share with us the best practices in teaching and research and also explored possibilities for MOUs with Centers of Academic Excellence. We have had 13 such interactive sessions this year. Hosting of IDEA day in association with KSUM, Curriculum Fair in association with Department of Education, workshops for students, training programme for teachers on MOOC were carried out with the support of our teachers and students.

We organized three workshops on Outcome Based Education with experts from IIT Chennai, NIEPA New Delhi and Bharathidasan University. Annual Academic Audit for each department was introduced and its outcome, we believe, would strengthen the academic vigor of all the departments. Hosting of the Science week with very enriching and thought provoking lectures, open houses and a three-minute video presentation competition among research scholars were part of the event. IQAC took the initiative in organizing an Induction programme for the students admitted to the Masters programs of learning.

Self Defence Training and support for women was undertaken through training sessions organized in association with the Kerala Police Department.

On all these initiatives there are things which we could not complete. We still need a comprehensive waste management system. We have to launch of LMS in all departments. Online Feedback system from all stakeholders, including feedback on stakeholders for curriculum enrichment, MOOC courses offered by our teachers and University level performance Audit must be in place.

We have initiated the commencement of the re-accreditation process under NAAC. I seek the cooperation and full support of all my fellow teachers and students in this very important initiative. IQAC has received whole hearted support from the university. I take this opportunity to sincerely thank the Honorable Vice-Chancellor, Honorable Pro-Vice-Chancellor, Honorable Members of the Syndicate, all the Statutory Officers for their timely support and help. All the initiatives referred to above was made possible with the support of our teachers and students, I thank you all. I place on record the support and timely help from all the administrative staff and special thanks to the Administrative staff of IQAC.

As a team let us keep the light of University of Kerala shining as an Institution that is committed to its cause.



Prof. (Dr.) Gabriel Simon Thattil,
Director, IQAC, University of Kerala.

Prof. (Dr.) Gabriel Simon Thattil
Director, IQAC



NIRF RANKING

University of Kerala was ranked at 22nd position among Universities and 35th position among all Higher Education Institutions in the country by NIRF, MHRD Govt. of India. Our University stood first among Universities in Kerala.

“TOP 25 UNIVERSITIES IN INDIA 2019” BY HIGHER EDUCATION MAGAZINE

University of Kerala was included in the “Top 25 Universities in India Survey 2019” conducted by the Higher Education Review Magazine.

QS INDIA RANKING 2020

University of Kerala was ranked at 49th position among Universities in the country by QS India Ranking 2020.



HIGHER EDUCATION Review

Presents

Certificate of Achievement

University of Kerala

Recognized as

TOP 25 UNIVERSITIES IN INDIA SURVEY 2019

Deepshikha
Deepshikha Singh
Managing Editor

LAUNCH OF AACHARYA APP

A mobile application named “Aacharya” is being developed for the teachers in the Teaching Departments. Almost 95% of the work is already completed. Through this app, the teachers can easily update the academic contributions and the same will be reflected in the teacher profile of our University as well. This app will definitely help the teachers to prepare their updated profile/data for different purposes. Data collection, on a one time basis, is in progress for uploading to the app.

MEETINGS

IQAC held 8 meetings in the year 2019 on the following dates:

10.01.2019
13.02.2019
10.04.2019
31.05.2019
03.07.2019
14.10.2019
16.10.2019
05.12.2019

SCIENCE WEEK CELEBRATIONS



Prof. (Dr.) V. P. Mahadevan Pillai, Vice – Chancellor, University of Kerala inaugurating the Science Week Celebrations 2019.

The Science Week celebrations, organized for the first time in University of Kerala by IQAC with a week-long programmes involving public lectures and open house days concluded with the workshop on popular science writing. A unique programme titled “Three Minutes Thesis” was organized for all the research scholars of the University of Kerala. The programme was inaugurated by Dr. V. P. Mahadevan Pillai, Vice Chancellor and Shri. M. C. Dathan, Scientific Advisor, Government of Kerala delivered the key-note address. At the inaugural, public lectures were delivered by Dr. Murukeshan Vadakke Matham (Director, Centre for Optical and Laser Engineering (COLE), Nanyang Technological University, Singapore) and Dr. Jatin Rath, Professor, Department of Physics, Indian Institute of Technology Madras, Chennai.

The major purpose of the three minute presentation competition was to equip the scholars, to communicate lay persons the topic and findings of their research in simple language. This will also help the young researchers to explain their findings to potential employers, funders and policymakers, besides improving their communication and presentation skills in front of a discerning audience. The university level winners of the Three Minutes Thesis competition were the

following:

First Prize: AMEEN SHA M (Department of Chemistry)

Second Prize: NAJEEB S (Department of Zoology)

Third Prize: SWETHA, S. (Department of Aquatic Biology & Fisheries)

The prize was won by SANGEETHA UNNITHAN (Department of Communication and Journalism) in the Arts stream and in the Social Science stream, VIJAYASREE R M (Department of Economics) was the winner.

ORIENTATION PROGRAMME FOR TEACHERS ON MOOC AND E-CONTENT DEVELOPMENT

IQAC organized an orientation programme for teachers of our departments on MOOC and e-content development on 27 May, 2019 in the Department of Botany, University of Kerala, Kariavattom. Dr. K. Satheesh Kumar, Assistant Professor and Head, Department of Futures Studies led the session for faculty members. Teachers from 20 teaching departments participated.

INTERDISCIPLINARY ACADEMIC MEET (AIAM) - 2K19



Prof. (Dr.) P. P. Ajayakumar, Pro - Vice – Chancellor, University of Kerala inaugurating the Annual Interdisciplinary Academic Meet (AIAM – 2K19).

A School level academic meet is organized by various Schools under the university in association with IQAC. The objectives of the meet were to strengthen the school system in terms of promoting a) Interdisciplinary learning, b) Interdisciplinary research and innovation, c) Student's start-ups and incubation for new ideas, and d) Better campus infrastructure and support services.

There were workshops, seminars, conferences and panel discussions based on a chosen theme considering the disciplines under the School. In School of Earth System Sciences, School of Communication and Information Science, School of Technology, School of Business Management and Legal Studies, School of Physical and Mathematical Sciences and School of Life Science

conducted programmes under the scheme.

Resource Persons, invited speakers, experts from outside enriched these sessions. In the seminars and conferences, students, scholars and teachers presented Papers. The meet also involved a workshop providing hands on training on research methods and on specific issues relating to research.

Sl.No.	School	Theme	Date of Programme
1.	Earth System Sciences	Research Methods in Earth and Environmental Sciences	March 8, 2019
2.	Life Sciences	Workshop on Research Methodology	March 29-30, 2019
3.	Communication and Information Science	National Level Research Methodology Workshop	March 20, 2019
4.	Business Management and Legal Studies	Intellectual Property and Startups – A review	March 21, 2019
5.	Technology	Academic Meet & Workshops in Professional and Research Etiquette	March 18 -21, 2019
6.	Physical and Mathematical Sciences	Research Methods in Physical, Chemical and Mathematical Sciences	March 20, 2019

EMINENT SCHOLARS IN UNIVERSITY OF KERALA



Prof. Tin-Yam Chan, National Taiwan Ocean University, Keelung, Taiwan interacting with the scholars.



Prof. Subhash C. Chauhan, Ph.D, University of Tennessee Health Science Center (UTHSC) interacting with the scholars.

Teaching Departments of the University in association with IQAC conducted interactive sessions with eminent scholars under the Programme “Interaction with Eminent Scholars” during 2019. This was done to expose students, teachers and researchers of the University to the learning and research environment prevailing in institutions of repute. Experts from various disciplines interacted with scholars and enriched them in their learning and research activities. The teaching departments of the University were encouraged by the IQAC to identify an expert of international repute, relating to their field to interact with teachers, students and scholars.

Sl. No.	Coordinating Department	Name of Eminent Scholar
1.	Environmental Science	Prof. Takashi Asaeda, Dept of Environmental Science, Saitama University, Saitama, Japan
2.	Zoology	Dr. Farid A. Badria, Professor of Pharmacognosy, Department Faculty of Pharmacy, Mansoura University, Egypt
3.	Zoology	Prof. SUBHASH C. CHAUHAN, PhD, Professor (Tenured), Department of Pharmaceutical sciences, College of Pharmacy and Cancer Research Center, University of Tennessee Health Science Center (UTHSC).
4.	English	Dr Udaya Kumar, Professor, Department of Language Literature and Culture, Jawaharlal Nehru University, Delhi
5.	English	Dr Joseph Dorairaj, Professor, Department of English, Gandhigram University, Gandhigram, Tamilnadu.
6.	Optoelectronics	Dr. Murukeshan Vadakke Matham , Director, Centre for Optical and Laser, Engineering (COLE), Deputy Director, The Photonics Institute (TPI), NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE
7.	Geology	Prof. M. Santosh. University of Adelaide and CUGB, Beijing
8.	Chemistry	Dr. Natesan Ramamoorthy, Retired from Department of Atomic Energy (DAE) - Bhabha Atomic Research Centre (BARC), Mumbai
9.	Chemistry	Dr. Madhava B Mallia, Scientific Officer ‘G’, & Professor HBNI (Homi Bhabha National Institute), Radiopharmaceuticals Division (RPhD), Isotope Wing, RLG Building, Research Centre, Trombay, Mumabi
10.	Future Studies	Dr. Subir Kumar Ghosh, Professor, Department of Computer Science, School of Mathematical Sciences, Ramakrishna Mission Vivekananda University,
11.	Future Studies	Dr. Randolph Stephen Duran, Director, LSU Office of Research Engagement, Office of Research and Economic Development, Louisiana State University, Baton Rouge
12.	Aquatic Biology	Prof. Gavin Naylor, Director of the Florida Program for Shark Research, University of Florida
13.	Aquatic Biology	Prof. Tin-Yam Chan, National Taiwan Ocean University, Keelung, Taiwan

STUDENT INDUCTION PROGRAMME 2019

University of Kerala organized a common induction programme for all the students admitted to its various teaching departments in the academic year 2019 – 20. The objective of the programme was to acquaint students with the various academic and co – curricular support services offered by the University. This programme was in addition to the department level induction programme which focuses on career orientation, personality development and behavioral issues in addition to motivation to learn.



Prof. (Dr.) V. P. Mahadevan Pillai, Vice – Chancellor, University of Kerala inaugurating the Student Induction Programme 2019.

The one day induction programme was held on 25 June 2019 at the Senate Hall, Palayam Campus. The Vice – Chancellor of the University Prof. (Dr.) V. P. Mahadevan Pillai presided the function. Prominent speakers who addressed the students included - Prof. V. K. Ramachandran, Vice – Chairman, Kerala State Planning Board, Prof. (Dr.) Sabu Thomas, Vice – Chancellor, Mahatma Gandhi University, Kottayam and Prof. S. K. Satheesh, Professor, Centre for Atmospheric and Oceanic Studies, Indian Institute of Science, Bengaluru.

Prof. P. P. Ajayakumar, Pro – Vice – Chancellor, student leaders and other representatives also offered felicitations. The induction lamp was formally lit by dignitaries and representatives of students and parents. Awareness lectures and interactive sections followed on the following University interventions:

- 1) Choice Based Credit and Semester System by Dr. P. Mohanachandran Nair, Vice-Chairman, CSS
- 2) Kerala University Finishing School by Dr. Sabu Joseph, Director, Finishing School
- 3) Placement Cell by Dr. S. N. Kumar, Convenor, Placement Cell
- 4) Students Services by Shri. Siddik R., Director, Department of Students Services
- 5) Kerala University – Technology Business Start-up Centre & Kerala Development and Innovation Strategic Council – Young Innovators Programme by Dr. E. Shaji, Assistant Professor, Department of Geology

UGC NET COACHING

Kerala University Research Students' Union, in association with Internal Quality Assurance Cell (IQAC), University of Kerala, conducted coaching classes for students appearing for UGC NET examination during June, 2019 and December, 2019. The UGC-NET coaching was organized on all Saturdays and Sundays from 10.00 a.m. to 4.30 p.m. 120 students have attended the programme.

WASTE BINS FROM CLEAN KERALA COMPANY-DISTRIBUTION TO DEPARTMENTS

Forty five units of vertical waste bins with flap lids: GBVF series, supplied by the Clean Kerala Company Limited, have been distributed to all the teaching departments.

INTERACTION WITH NOBEL LAUREATE

CURIOSITY MAKES A GOOD RESEARCHER: ADA E. YONATH



Nobel Laureate Ada E. Yonath speaking at the interactive session.

University of Kerala organized an interactive session with Nobel Laureate Prof. Ada E. Yonath under its flagship programme “Interaction with Eminent Scholars”. The programme began with the introductory remarks of the Hon’ble Vice-Chancellor Prof. V. P. Mahadevan Pillai. This was followed by a question answer session. Deans, Professors, teachers and research scholars from the University raised vital queries on issues pertaining to research, generation of new knowledge and social responsibility of researchers. Ada E. Yonath reflected on her research days and called for a positive thinking on research. Curiosity and the overwhelming joy of discovery are the essential inputs for research, she said. Excerpts from the interaction:

Q: *As a woman scientist and X-ray Crystallographer, did you get any scientific inspirations from the life of Rosalind Franklin, who also was an X-ray Crystallographer who contributed tremendously to molecular Biology research?*

A: The inspiration came late in my life. When I was a 14-15 year old, I came to know about how Roentgen rays (now called as X-rays) were used by the military in the wars for detection of bullets and metal shrapnels in the soldier’s body. I was wowed by the usage of X-rays that time. Also, the scientific life and dedication of Marie Curie inspired me. Albert Einstein was also an inspiration to my life as a scientist. When in school, there was an option to choose Einstein’s theories and while most students saw them as a hurdle, I studied them with interest.

Q: *Other than the scientific inspirations, what personal traits/habits/practices helped you to attain these exceptional achievements?*

A: I still don’t know. Maybe the enormous curiosity to understand the principles of nature around me.

Q: *When we do computations on structure and reactivity, it is generally seen that the structure and reactivity changes when we move from one phase to another. Does the crystal structure obtained for protein and ribosome hold good in biological medium as the proteins are very fluxional molecules?*

A: Proteins are very fluxional molecules. However, what we get from crystal studies, atoms and bonds are retained. Conformational changes happen upon binding. But changes in biological medium, if they occur, do not interfere in the ribosomal activity. Either it is far away from the active site or it does not change at all.

Q: *I came to know from your biography that you had worked with William Lipscomb, another Nobel laureate during your postdoctoral studies. Can you share your experience?*

A: I didn't work with him. However, we had very nice interaction. We used to have a lot of long discussions about chemistry, about the structures. It was very nice and he was a wonderful person.

Q: *As a person who worked for a long time in crystal growth, can you please give some suggestions or advice to the young researchers working in crystal growth?*

A: I think what is important is to be 'analytical'. You think a lot on the observations that you make in each step.

Q: *Can you provide any insight into the fact of why nature prefers L amino acid in its Life?*

A: Philosophically it is nature's choice and it is quite hard to find an answer to it.

Q: You have been collected samples from polar bears, black sea and have also sent samples to space. What type of structural changes you could see in ribosomes?

A: In the case of polar bears the ribosomes are arranged parallel to the cell membrane, but it was not seen in other cases

Q: How did you feel when you get a protein crystal in the laboratory?

A: It was very much exciting to see a protein crystal in the lab. Still, that excitement is there in my life.

Q: Can you share your thoughts on Environmental friendly antibiotics?

A: Many antibiotics inhibit protein biosynthesis by inhibiting the ribosome function. Structures of bacterial ribosomes are in complex nature. But now researchers identified the drug-binding sites. This helps to reveal the unique structural motifs specific for the particular strain, which may be used for the design of novel degradable pathogen-specific, and hence, environmentally friendly drugs. Recent structural studies on ribosome from a multi-resistant pathogenic bacterium and careful comparisons to ribosomes from non-pathogenic bacteria revealed novel structural motifs essential to protein biosynthesis but not located in the primary ribosomal active sites. Hence there is no mechanism for modification leading to resistance of these sites is currently there.

These led to the design of antibiotics with desired properties that can be optimized in terms of their chemical properties, toxicity and penetration alongside species-specificity thus preserving the microbiome as well as in terms of bio degradability.

This reduces the ecological hazards caused by the spread of the current antibiotics' metabolites.

IQAC Director, Prof. Gabriel Simon Thattil thanked the Nobel Laureate for sharing her thoughts.

CURRICULUM FAIR

Kerala University Curriculum Fair 2019 was organized under the joint auspices of Curriculum Development Centre, University of Kerala and IQAC, University of Kerala in association with FLAIR, Govt. of Kerala. Sixty Six posters articulating curriculum innovation which was a clear roadmap to encourage educators to challenge the conventional norms and think outside of the box.

The posters presented in the Curriculum Fair 2019 generally provided strong support for student's social development. The entries in the fair 2019 depicted blue prints of opportunities to work collaboratively, in pairs and in groups, and to develop the skills of teamwork and leadership. Curriculum Fair 2019 was designed for three days. Posters representing innovative ideas were invited from teachers, students and research scholars from universities, colleges and teacher education institutions. All the posters were arranged in the Department of Education Seminar Hall.

On 20-03-2019, the inauguration of the fair began with a prayer followed by the welcome address delivered by Dr. Bindu R. L., HoD and Hon. Director, CDC, University of Kerala. The formal inauguration was followed by the keynote address of Prof. Gabriel Simon Thattil, Director, IQAC. The afternoon session was chaired by Dr. Ratheesh K., State Co-ordinator, FLAIR, Government of Kerala. He made a power point presentation about the activities of FLAIR. In the second day of the programme all the participants in fair 2019



Prof. E. Ramganesha, Professor,
Bharathidasan University inaugurating the Curriculum Fair 2019.

exhibited posters and made presentations about their topics. On the last day Dr. Manoj Changat, Head, Department of Futures Studies, University of Kerala presented a paper about the programme LEAP. There was a non competitive evaluation using tool developed for the purpose and five participants were presented with prizes. Teachers, Research Scholars, students from different colleges viewed the exhibition posters. Local hospitality was provided to the participants of the Fair.

Dr. Bindu R.L., Hon. Director, Curriculum Development Center and HoD, Department of Education was the Coordinator of the programme.

DELIBERATION ON NATIONAL EDUCATION POLICY

IQAC sought the opinion of all stakeholders on National Education Policy 2019 at a session held on 17 July at Seminar Hall, Department of Aquatic Biology and Fisheries, Kariavattom. HODs, faculty members, administrative staff, students, parents, recognized leaders from teachers' unions, students and staff submitted their learned views in writing at the session. IQAC consolidated the same and submitted the views expressed to MHRD, Govt. of India.

WORKSHOP ON OUTCOME BASED EDUCATION



Prof. E. Ramganesh, Professor, Bharathidasan University imparting training to the members of teaching departments of the University.



Prof. Edamana Prasad, Professor, IIT, Madras, Chennai imparting training to Chairpersons and members of various Board of Studies (BoS) in Science Stream.

Workshops on Outcome Based Education (OBE) were organized for strengthening curriculum content transaction and delivery with focused outcome. Four workshops were conducted to impart training on OBE. The workshops were scheduled and conducted as follows:

- 1) On 14th May 2019 with Dr. Gabriel Simon Thattil, Director, IQAC as Resource Person for imparting training to Chairpersons and members of various Board of Studies (BoS)
- 2) On 1st June 2019 with Dr. Edamana Prasad, Professor, Department of Chemistry, IIT Madras, Chennai as the Resource Person for imparting training to Chairpersons and members of various Board of Studies (BoS) in Science stream.
- 3) On 7th June 2019 with Dr. Neeru Snehi, Department of Higher and Professional Education, National Institute of Education Planning and Administration, New Delhi as the Resource Person for imparting training to Chairpersons and members of various Board of Studies (BoS) in Social Science stream.
- 4) On 23rd July 2019 with Prof. E. Ramganesh, Professor, Bharathidasan University, and Dr. Edamana Prasad, Professor, IIT Madras as Resource Persons for imparting training to faculty members of Teaching Departments of the University.

FILE ADALATH

As per the directions from Kerala State Higher Education Department, a File Adalath was conducted on 26 February 2019 in which Dr. K. T. Jaleel, Hon'ble Minister for Higher Education presided. In addition to the Minister, Hon'ble Vice - Chancellor, Pro-Vice -



Dr. K. T. Jaleel, Hon'ble Minister for Higher Education presiding over File Adalath

Chancellor, Syndicate members, Registrar, Controller of Examinations, Finance Officer and other officers attended the meeting. Students, research scholars, teachers, managers and college principals registered their complaints. Among the 130 applications received, 113 applications were online and 17 applications were offline. All the applications were scrutinized and decisions were taken. The minutes of the meeting were uploaded in the University website.

SREE NARAYANA GURU INTERNATIONAL STUDY CENTRE

University of Kerala proposed setting up the Sree Narayana Guru Study Centre for promoting the ideas, thoughts, social reforms and excellent contributions to the new generations of Sree Narayana Guru. IQAC conducted essay writing and drawing competitions relating to Sree Narayana Guru's life and thoughts for High school students, Plus two students and non-students category.

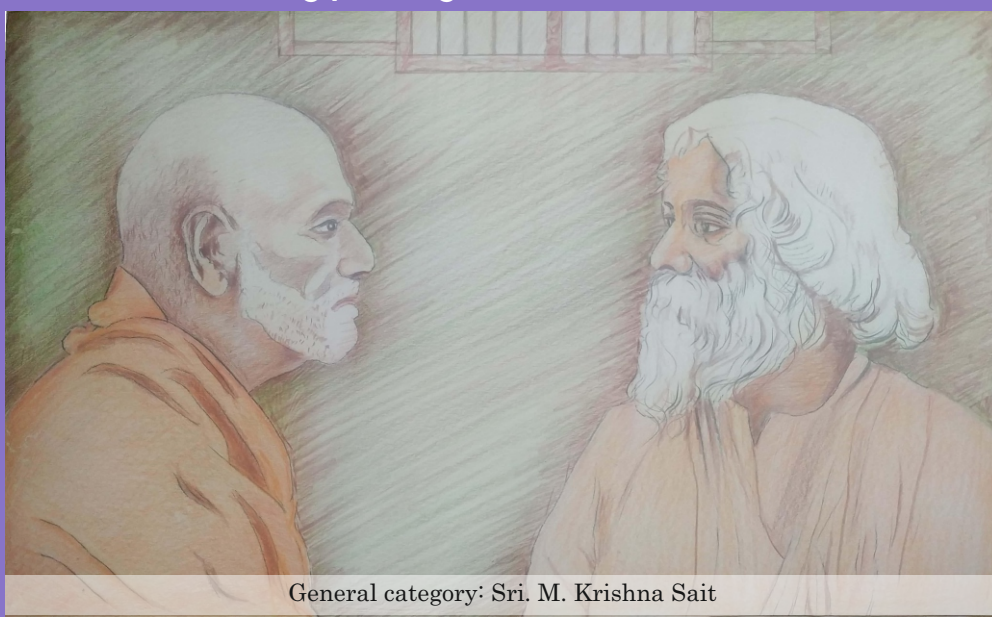
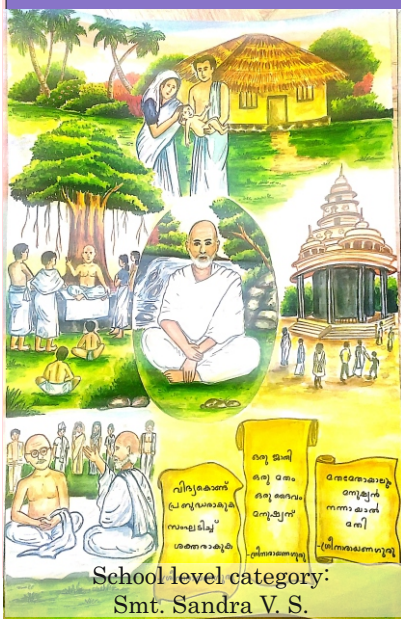
WINNERS ESSAY WRITING COMPETITION

CATEGORY	FIRST PRIZE
High School/Plus Two	Akshay V. A.,
College	Kasthuri Sha
General	Rajeev E.

PAINTING COMPETITION

CATEGORY	FIRST PRIZE
High School/Plus Two	Sandra V. S.
General	M. Krishna Sait

Prize winning paintings



PRE-MONSOON CLEANING DRIVE PROGRAMME

University of Kerala intends to establish itself as a "zero waste green campus". As part of the drive, two cleaning drives were conducted; one at Kariavattom Campus on 9 May 2019 and another at Senate House Campus, Palayam on 20 May 2019. University of Kerala decided to conduct mega cleaning drive as a pre-monsoon activity as part of the shramadans proclaimed by the Government of Kerala. The Internal Quality Assurance Cell was entrusted with the responsibility to coordinate the drive. Detailed instructions were given to the Teaching Departments of the University to conduct the cleaning drive. As part of the cleaning drive Programme Coordinator,



National Service Scheme, University of Kerala was asked to ensure the participation of NSS volunteers of affiliated college situated in the city limit as well as NSS volunteers from the Kariavattom campus. The involvement of the NSS volunteers under the supervision of the Programme Coordinator as well as

Programme Officers of Kariavattom campus unit gave a fillip to the cleaning drive. Through this drive plastic and paper waste, bottles and other waste which were dumped in the campus were collected by the participants, segregated, and disposed off. The corporation authority assisted the university in this drive.

ARTICLE - GANDHI IN ME



Gandhi in Me



As part of the 150th birthday of Mahatma Gandhi, IQAC invited entries from students, teachers, administrative officers including Statutory Officer, Senate and Syndicate members and employees on how Gandhian philosophy influenced them. There were entries on Gandhian philosophy, Gandhian thought, practice or experience and key learning drawn in their life. 13 articles were received and documented

K-DISC YOUNG INNOVATORS' PROGRAMME - IDEA GENERATION

K-DISC's Young Innovators Programme (YIP) 2019 was designed to create a deeper imprint on the academic system in the state to expose young students to the cycle of innovation and to promote a culture of Innovation in Kerala. YIP 2019 is structured around a philosophy of situated cognition and design-based learning, and is envisioned to be a massive, open, inclusive, collaborative institution-based program aimed at identifying and nurturing young innovators.

Facilitators and mentors were nominated from teaching departments of the University for the programme. The following ideas, submitted by the groups of the University, were adjudged as one among the hundred and two best innovative ideas for YIP 2019-22.

IDEA	Department	Team members
IDEA/2019/850 - PAPER PRODUCTION FROM KERATIN	Biochemistry	Dr. A Helen
		GAYATHRI S S
		NEERAJA S RAJ
		SMRITHI J S
IDEA/2019/877 - PLATES FOR BONE FRACTURE	Biochemistry	Annie Abraham
		Annie John
		Rebu Sundar
IDEA/2019/1004 - Nanodrug mediated cancer therapy	Biotechnology	Amina Beevi N
		Anagha U Nair
		Anitha Kumari K M
		Athira P
IDEA/2019/436 - Rechargeable mosquito repellent	Computational Biology and Bioinformatics	Anuroopa G.Nadh
		Vipin C.L.
IDEA/2019/1065 - Paint and ink from futile soot	Nanoscience and Nanotechnology	H V SARITHA DEVI
		M S SWAPNA
		VIMAL RAJ

IDEA DAY Observed

K U-TBSC in association with Kerala Start up mission (KSUM) conducted the first Idea Day on 25 April 2019. In order to orchestrate a competition exclusively for innovators from Kerala University Departments, officials from KU-TBSC and IQAC held discussions with the CEO of Kerala Start up Mission (KSUM) and came out with a blue print to initiate a campaign for popularising the IDEA DAY 2019. The kick off of the initiative started during the middle of January 2019 by circulating the brochure in the University Departments. online submission of applications through google form were encouraged so as to collect relevant information of the innovators/teams as stipulated by the KSUM. Categorization of the ideas into various domains according to their nature and application was done. The domains were Agri-tech, Deep Technology comprising of Artificial Intelligence, Machine Language, Virtual Reality and Block Chain, Health and Medical Technologies. A panel of experts were formed with eminent faculty members from various Departments of University of Kerala, scientists from prominent research and education centres such as SCTIMST, IIITMK, etc. as technical experts and KSUM officials along with professors from Departments such as Commerce, Management as business feasibility experts. The final results are still awaited.

WOMEN'S SELF DEFENCE TRAINING PROGRAMME

A women's safety awareness drive was jointly organized by University of Kerala and the Kerala Police Department. Six sessions were arranged for women students, women research scholars, women staff members of teaching departments of the University. Programmes were coordinated by Dr. T. S. Swapna, Professor and Head, Department of Botany.

Sl. No	Date	Departments involved	Number of participants attended	Venue
1.	06.11.2019	Zoology, Botany Computational Biology and Bioinformatics & Communication and Journalism	64	Seminar Hall, Department of Botany
2.	11.11.2019	Chemistry, Aquatic Biology and Fisheries, Nano science and Nanotechnology, Biotechnology, Biochemistry and Environmental Sciences	42	Seminar Hall, Department of Aquatic Biology and Fisheries
3.	04.12.2019	Mathematics, Geology, Demography, Arabic, Hindi, Linguistics, Malayalam, Sanskrit, Tamil, Oriental Research Institute and Manuscripts Library.	67	Seminar Hall, Department of Aquatic Biology and Fisheries
4.	06.12.2019	Law, Philosophy, Psychology, Statistics, Archeology, Economics, History, Islamic studies, Political Science, Sociology, Institute of Management	76	Seminar Hall, Department of Aquatic Biology and Fisheries
5.	11.12.2019	Second Phase Practical Training	120	Seminar Hall, Department of Aquatic Biology and Fisheries
6.	12.12.2019	Institute of English, Library & Information Science, Education, Music	65	Seminar Hall, Institute of English

In Self Defence



Kerala Police Department officials imparting safety awareness

KSUM INCUBATOR YATRA

KSUM, Incubation Yatra is organized specifically to promote start-ups and create awareness on the KSUM support mechanisms. Experts from KSUM interacted with students and teachers of the University and had a close interface with currently operational start-up owners and mentors of the University. The Yatra was given a reception by Kerala University Technology Business Start-up Centre (KU-TBSC) in association with Internal Quality Assurance Cell (IQAC), at School of Business Management and Legal Studies, Kariavattom campus, University of Kerala.

University of Kerala need to work for setting up of at least hundred more start-ups by January 2020. An appeal on this ground was made by the Pro-Vice-Chancellor Prof. P. P. Ajayakumar in his address welcoming the 'Start-up Incubator Yatra' of Kerala Start-



up Mission (KSUM). He spoke on the need to find applications for theories learnt and on the need to practise all that is learnt in the process of problem solving and addressing socially relevant issues. Prof. (Dr.) Gabriel Simon Thattil, Director, IQAC, University of Kerala addressed the gathering appealing to students to take advantage of the various

support mechanisms inside and outside the state in the setting and promotion of start-ups. Mr. Prajeet Prabhakaran, Assistant Manager, Corporate Innovation, KSUM, Mr. G. Arun, Assistant Manager, Incubation, KSUM and Mr. Anjith, Senior Manager, Bank of India led the deliberations as part of the yatra.

CONDUCT OF ACADEMIC AUDIT

Academic Audit is being undertaken by each Department through a team of three experts who are Eminent Academicians/ Professionals/ Experts in the discipline and is external to the Department and the University. Auditors are identified in terms of experience, professional integrity and involvement in similar processes. The experts for Academic Audit are nominated by the Hon'ble Vice - Chancellor from a panel proposed by the Head of the Department. 11 Departments have completed Academic Audit in their Departments and the same is in progress in rest of the Departments.

ONLINE STUDENT FEEDBACK

An online portal for obtaining feedback of 4th semester students was developed by Computer Centre, University of Kerala and initiated the same to all Heads of the Department. The feedback received is being compiled. IQAC, in association with Computer Centre, is in the process of developing similar portals to take feedback of remaining semesters.

CONTACT DETAILS



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