



**INTERNAL QUALITY ASSURANCE CELL**

**(IQAC)**

**REPORT**

**2017-2018**



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## **INTERNAL QUALITY ASSURANCE CELL (IQAC)**

Sullamussalam Science College

The Internal Quality Assurance Cell is functioning in the college since 2005 . Activities of IQAC encompasses all academic and administrative activities of the college with following objectives

### **OBJECTIVES**

- Instil a sense of quality consciousness in all stake-holders
- Formulate strategies for all-round development of the college
- Develop and prescribe the quality standards in the delivery of the academic and non-academic programmes
- Promote the innovative methods of teaching and learning
- Formulate internal mechanism for quality checks
- Incorporate stake-holders' input in governance
- Inculcate value system in students
- Suggest measures for improvement

IQAC monitors systematically the planning and scheduling of teaching-learning and evaluation process of the college in the IQAC meetings held periodically. IQAC monitors the activities of new initiatives such as WWS, SSP, ASAP and suggests suitable updates.

Erudite Lecture programme on 'Higher Education', Science Academies' lecture workshop on harmonic analysis and International Colloquium on Creative Teaching and Learning in Higher Education were the significant events organised in 2017-18. Focus on seven broader areas -viz. Academics with emphasis on Skill based education, Digital Campus, Innovation, Research, Green initiatives, Industry Collaboration and Infrastructure-continued during 2017-18 with following activities.



## **1. Department wise Bridge course for the fresh undergraduates:**

A commencement workshop for all first year students is being organised every year by each major department at the beginning of the Programme from 2007 onwards. The one-week programme conducted every year during the commencement of the degree programme consists of interactive sessions focused on the taste of different departments. The programme comprised of different sessions like Talk by an eminent scholars, Presentations on the overview of the Discipline with focus on the UG curriculum, Group learning Tutorials, Conceptual Discussions, Reading Sessions, Lectures and Tutorials on the Campus- Industry Linkages, Experimental approaches and Experimental Tools- an Introduction, Familiarization of Learning Resources, Evaluation sessions and Feedback etc. The bridge course for the year 2017-18 conducted from 17-19 July 2017.

## **2. NATIONAL SCIENCE DAY CELEBRATIONS – 2018:**

Sullamussalam Science College, Areacode celebrated the National Science day 2018 with various popular science programmes suitable for students and science enthusiasts from divers science backgrounds during 21-26 February 2018.

Dr. Anitha. A.B (Director CWRDM, Calicut) inaugurated the National Science Day celebrations of this year. Dr. P Muhamed Ilyas, principal of this college presided over the function. Miss. Hanaa of first year B.Sc Physics passed the science day message, Mr. Safeeque C.A, IQAC coordinator welcomed the gathering and Dr. Mohemmed Shanid N.A expressed the vote of thanks.

### **SCIENCE COLLOQUIUM**

The inaugural session was followed by a science colloquium – based on the focal theme '*Science and Technology for sustainable future*' consisted of a popular talk by Dr. Anitha A.B, Director CWRDM Calicut and a video presentation was conducted by Miss



Janna Maryam and Miss Mirza Anees of BSc physics on the topic “*life and work of C V Raman*”.

### **SCIZONE – An Open House with a Science expo**

Scizone – an open house programme with a science expo was held as part of science day celebrations. There were mainly 4 stalls in the expo. Chemizone, mechanics, optics and a movie stall. The mechanics stall comprised of 15 experiments which described various principles and theories in mechanics, such as conservation of linear momentum, angular momentum, Bernoulli's principle, state of equilibrium etc.

### **INTERCOLLEGIATE QUIZ COMPETITION**

As part of national science day celebration of sullamussalam science college Areacode conducted an inter colligate general science quiz contest. About 7 colleges participated and Midhunshah from farook college was the quiz master. By the end of the healthy competition Lasin Abdul Rahman.T and Shamil Muhammed of Farook College, Calicut won the first prize, Hafiz Nazeer and Hanaa.C.H of PSMO college, Tirurangadi won the second prize and Hilal Basheer. A.P and Shibin Mohan.P of Government College Madappaly won the third prize. The cash prize awarded was Rs3000,2000&1000 respectively. The head of the department of mathematics Dr.sajith distributed prizes and certificates among winners.



### **3. A NEW INNOVATION AND PROGRAMMING CLUB INITIATED IN THE COLLEGE UNDER IEDC:**

Programming club is constituted with an intension to foster the programming skills and improving logical building of software engineering. Only 25 selected students across the campus are the members of Programming club which is under the supervision of IEDC of college. The club is actively engaging students with variety of programs which will help the students to introduce various online courses, technical discussion forums, Tech Talks, and chit chats on the contemporary advancements in information technology.

The club is also aim to invest the interest on most advanced areas in Research and Development in Information Technology. The proposed domain includes Cognitive intelligence, Internet of Things, Robotics and Machine Learning.

The activities of club is completely executed by the student coordinators. The prime engagements includes,



- TechTalks
- Online Courses
- R&D in AI
- Demonstrations and Industry updates

The Launching of Programming club is happened on 17<sup>th</sup> October 2018 at Computer Lab of Sullamussalam Science College. The session was led by Student coordinators and IEDC Nodal Officer. Principal extended all support to the techies.



iedc

**IS YOUR PRIVACY REALLY PRIVATE??!**

Tech Talk on  
**Privacy and Security**

Talk by an Anonymous

Today 3:30pm @ Computer Lab

IEDC SS College

iedc IEDC Sullamussalam Science College presents

Tech Talk on:  
**Algorithm of Music**

**Sajith Palamanna**  
2<sup>nd</sup> year PG MSc CS

As a tribute to legend violinist  
**Balabaskar** a violin performance by Sajith will be held.

Monday 3:30 PM | College Seminar Hall

Programming & AI in Association with Innovative and Entrepreneurship Development Cell powered by Sullamussalam Science College and Kerala Start-up Mission.

**ARDUINO**  
CHIPS & CODES

Tech Talk- 4 by  
**MUHAMMED SHOIB**  
FIRST BSC COMPUTER SCIENCE

Restricted Entry!

iedc

iedc

**CAN YOU CONVERT COFFEE INTO SOFTWARE?**

IF SO BOOK YOUR SEAT!! PROGRAMMING CLUB IS OPEN

Today 3:30 pm at Computer Lab



#### **4. Class PTA workshops:**

Class PTA meetings were organised as per the recommendation of IQAC for all UG classes during June and July 2017. The combined sessions of parents, teachers and students of each class was conducted with the discussions focussed on overall learning experiences of the students. The programmes were successful in raising the quality awareness among parents and students and parents actively participated in the discussions. An evaluation meeting of all class advisors was convened by IQAC on 28 July 2017 to consolidate the feedback of parents in Class PTA meetings. Dr. Musthafa Farook , IQAC member in charge of student support and progression submitted the consolidated report of feedback from parents to IQAC.

#### **5. Bridge Course Evaluation Report:**

The orientation programmes for the fresh batches of all undergraduate programmes at the commencement of the programme is an IQAC initiative began in 2007. An evaluation of these bridge courses by various major departments analysing feedback from students and teachers was conducted by an IQAC subcommittee consisting of Dr.Sajith, Mr.Muhammed Shameem K and Mrs. Reshma Majeed. The committee submitted an evaluation report with recommendations to extend the bridge courses to PG programmes, to evolve strategies to promote self centred learning , to conduct interim stage courses and to ensure facilities to employ more ICT tools to conduct bridge courses.

#### **6. Self-evaluation session of Internal Quality of all departments and forums:**





As a part of initiating the preparation for the reaccreditation of the college for the third cycle and in order to strengthen the quality initiatives an evaluation cum discussion meeting of all faculty members was convened by IQAC on 17 November 2017. Faculty members in charge of various departments, clubs and forums explained the status of their quality enhancement activities and internal quality records. The evaluation session was followed by a discussion session on ‘How to raise the overall learning experience of our students’ which consisted of three presentations – Dr.N.A.Muhemmed Shanid on ‘Innovative Learning Practices’, Dr.G. Sajith on ‘Effective utilization of library and other learning resources’ and Mr. Ahamed Fayas.T on ‘Effectiveness of Internal Evaluation System and Examinations’. The discussion session was successful in evolving new quality enhancement strategies for teaching and learning.



## **7. Inter collegiate paper presentation contest for P.G Students on the topic “Let us Rethink and Redefine Education”:**

As a run up to the *International Colloquium on Creative Teaching and Learning in Higher Education*, the department of English organized a one day Intercollegiate Paper Presentation Contest for P.G students on 31-10-2017, on the topic “Let us Rethink and Redefine Education”. More than twenty Post Graduate students from across Kerala participated. Dr. Zahira M, former head of the department of English, Sullamussalam



Science College, inaugurated the programme and gave the keynote address. Resma Majeed, Head, Department of English, presided over the function. Dr. Muhammed Ilyas P, Principal; Dr. K Muhammed Ismail; Riyas K.P and Jouhar K also spoke on the occasion. Kamila Gulhar of Unity Women's College, Manjeri, secured the first place in the contest. Twelve students from Department of English got selected to the academic internship programme at Manipal Academy of Higher Education, Karnataka.



### **8. Erudite Lecture Programme on 'Higher Education' by noted Educationalist Gayatri Chakravorty Spivak:**

The department of English, Sullamussalam Science College, *International Colloquium on Creative Teaching and Learning in Higher Education* Areekode, conducted a three day on 12,13, and 14 of December 2017. The Erudite Programme organized as part of the colloquium was funded by Kerala State Higher Education Council. Gayatri Chakravorty Spivak, world renowned scholar, theorist and professor of English and Comparative Literature from Columbia University was the Erudite speaker. The Erudite Programme was arranged in two sessions on the first day of the colloquium, i.e., 12-12-2017. The first session was her Lecture on the topic *The Theatre of Education* and the second was her interaction with alternative educators.



Spivak began the Erudite Lecture of *The Theatre of Education*, by thanking those who have taught her writings carefully taking much effort. She said she had not written anything with the intention of it to be read and taught. Then she mentioned that she was happy to come to a centre wherer enlightened Islam is practiced and where women are taken seriously. She said the world needs enlightened Islam a great deal today and criticized those who reduce the religion to nothing but belief which is the smallest thing one's brain does. Religion without 'ontological commitment' is nothing. She added.

She talked about the role of theatre in education. Mentioning the etymological relationship of the two words, *theatre* and *theory*, she emphasized how important it is in higher education to 'make see' or 'make visible' for the learners so that real teaching and learning takes place. "The first item on Higher Education is to feel one's language, because language has a history before one is born and it will have a future after one is no more", Spivak said, emphasizing the importance of language in education. To understand that like one's own language, there are other languages and cultures too is the enlightened behavior. To respect and to be respected is a sign of this 'enlightenment'.

She urged the teachers gathered there to 'know' their students so that they excel in their profession. She shared with the audience, her experience of teaching at a school in West Bengal where the poorest of the poor are taught. This is one of the rarest schools in India where inability becomes ability. Those who own a cow or those who own two houses or those who are landowners do not 'qualify'.



## **9. International Colloquium on “Creative Teaching and Learning in Higher Education”:**

The department of English, Sullamussalam Science College, Areekode, conducted a three day *International Colloquium on Creative Teaching and Learning in Higher Education* on 12,13, and 14 of December 2017. The Erudite Programme organized as part of the colloquium was funded by Kerala State Higher Education Council. Gayatri Chakravorty Spivak, world renowned scholar, theorist and professor of English and Comparative Literature from Columbia University was the Erudite speaker. The Erudite Programme was arranged in two sessions on the first day of the colloquium, i.e., 12-12-2017. The first session was her Lecture on the topic *The Theatre of Education* and the second was her interaction with alternative educators.

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who reduce the region to nothing but belief which is the smallest thing one's brain does. Religion without 'ontological commitment' is nothing. She added.

In the second session of the day, started at 11:45. Dr. N.P Ashley, Assistant Professor of St. Stephen's College was the speaker. The topic was Created by Education; Killed by Politics: Reading Historical Liabilities of Democracy and the University Space. The speaker spoke about how political power adversely affected the higher educational system in India. He gave examples for the historical crimes committed by politicians in the educational space and stressed the fact that our educational system needs some visionaries. Dr. Umer Thaneem, Assistant Professor of English, University of Calicut, presided over the session.

Third day's programmes started with Dr. Babu's plenary session on *Leading to Innovate: Some Reflections on Higher Education*. Being a college professor for more than twenty years and now a principal, he focused on the policies in the higher education field which are introduced with good intentions but most of the time, end up in disgust. He also talked about the necessity of innovations in the field of higher education. Dr. Bindu Amat, Assistant Professor of Providence Women's College, Calicut presided over the session.



### CREATIVE TEACHING AND LEARNING IN HIGHER EDUCATION

- Rewriting the Boundaries of Education
- Education as a Mode of Existence
- Changing Perspectives of Arts Education
- Education and Its Cultural Dimensions
- Specialization and Integration in Education
- Google and the Virtual Space in Education
- Self-learning: Scope and Relevance
- Minorities in Education
- Towards a Pedagogy of Pleasure
- Towards a Green Pedagogy
- Open Space in Education
- Theatre and Education
- Animated Education

Dear Delegate,  
 Hearty welcome to the *International Colloquium on Creative Teaching and Learning in Higher Education*. We are happy to say that we have taken utmost care in organising these sessions in a way that, they really turn beneficial for the academic communities in and out India. We have never nursed the misconception that a three-day colloquium is going to make us "creative" teachers and learners all of a sudden and turn the present educational system on its head, overnight.

However, we will be happy if our earnest endeavour turns out to be a pointer to the failure of the present system of education and help train y(our) imagination for ethical intervention in our globalized world. We wish you a happy thinking time.

Manager: Prof. N.V. Abdurahman  
 Principal: Dr. P. Muhamed Ilyas      Chief Advisor: Dr. M. Zahira  
 Head of the Dept.: Reshma Majeed      Co-ordinator: Yahya N.V.

The collage features several event posters with the following details:

- SESSION I (10.00 am - 12.30 pm):** Inauguration and Erudite Lecture by Gayatri Chakravorty Spivak, 'Theatre of Education'. Chair: Prof. N.V. Abdurahman. Topic: Theatre of Education.
- SESSION II (2.00 p.m. - 4.00 p.m.):** Welcome by Joushar K., Moderator by Dr. K.K. Kunkannmed, Participants by Prof. Gayatri Chakravorty Spivak, Gayathran Sarang & Arunabha, Manu Jose, Dr. Sachith D., and Vote of Thanks by Sumoyee P.
- SESSION III (10.00 am - 11.30 am):** Chair: Dr. Manoj Mathew, Sadanand Menon, 'Compulsory Miseducation: A Perspective from the Arts'.
- SESSION IV (11.45 am - 01.30 p.m.):** Chair: Dr. Umar Thasneem, Plenary Address: Dr. N.P. Ashley, 'Created by Education, Killed by Politics'.
- SESSION V (02.00 p.m. - 04.00 p.m.):** Panel Discussion 'Structuring Education?'. Moderator: Dr. K.M. Usani. Participants: Dr. K.K. Kunkannmed, Prof. R. Beeba, Dr. N.P. Ashley.
- SESSION VI (10 am-11.30pm):** Plenary 'Leading to Innovate: Some Reflections on Higher Education'. Chair: Dr. Zainul Abid Kotta, Plenary: Dr. Babu P.K., Topic: Leading to Innovate: Some Reflections on Higher Education.
- SESSION VII (11.45 am-1.00 pm):** Plenary 'A Quantic Exploration'. Chair: Dr. Abida Farooqui, Plenary: Dr. A I Vlayyathullah, Topic: Learning, Teaching, Aesthetics and Research: A Quantic Exploration.
- SESSION VIII (2.30 p.m. - 4.30 p.m.):** Valedictory Session 'Institutionalised Exclusion'. Welcome: Reshma Majeed, Chair: Dr. P. Muhamed Ilyas, Valedictory Address: Sunny M. Kapkapad, Topic: Institutionalised Exclusion, Colloquium Analysis: Dr. M. Zahira, Vote of Thanks: Yahya N.V.

## 10. WiFi Connectivity Installed in the campus:

To enhance the internet utility in the campus, installed a wifi in the campus as a recommendation from IQAC. Last year we are having a internet facility over network,



whose availability is limited to department computers and computer lab. It created a problem for access of internet to students. IQAC recommended a wifi facility in the campus to overcome this situation and it was introduced initially with a BSNL broadband over copper wire with a speed of 12mbps spread over 6 access points in 4 buildings. We are trying to get a fibre optic connection to upgrade the speed to a minimum of 100mbps.



### **11. Science Academies' Lecture Workshop on Harmonic Analysis:**

As an initiative to improve the status of our science education Science Academies' Lecture workshop on Harmonic Analysis was organised during 6th & 7th of December 2017. The objective of the Workshop was to catch the basic working knowledge to our Post Graduate Students, Research Scholars and the Faculty members in the Field of Fourier / Harmonic Analysis. The programme was intended to nurture our students towards mathematics and to motivate them to take research carrier while pursuing for higher studies. The programme was inaugurated by the Hon. Vice Chancellor Dr. K. Mohammed Basheer, University of Calicut on 6th Dec2017 at 9. 30 AM. The keynote address on Fourier Analysis had delivered by the distinguished French



Mathematician Prof. Jacques Faraut of Universite' Pierre Marie Curie , Paris. Prof V Muruganandam (NISER Bhubaneswar), Prof V. Krishna Kumar of Kerala School of Mathematics were also attended the inaugural function. There were 150 participants from all over the region attended the workshop. Research Scholars, MSc & BSc Math students and faculty members from different institutions participated in the workshop.

Indian Academy of Sciences Founded by Sir C. V Raman initiated many programmes to promote Science Education in India. Indian National Science Academy and the National Academy of Sciences India also joined in this venture and Science Academies' Lecture workshop is one of its brain child.

The Department of Mathematics , S S College Areacode organized the Science Academies' Lecture workshop on Harmonic Analysis during 6th & 7th of December 2017. The objective of the Workshop was to catch the basic working knowledge to our Post Graduate Students, Research Scholars and the Faculty members in the Field of Fourier / Harmonic Analysis. The programme was intended to nurture our students towards mathematics and to motivate them to take research carrier while pursuing for higher studies.

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There were 150 participants from all over the region attended the workshop. Research Scholars, MSc & BSc Math students and faculty members from different institutions participated in the workshop. The development of subject was further elaborated the by the famous Indian Mathematician and Bhatnagar Prize recipient Prof. S . Thangavelu from IISc Bangalore who made significant contribution to Harmonic Analysis. The Series of lectures by Prof.Muruganandam, NISER Bhubaneswar had explained the abstractions of the general





theory and explained the the mathematics behind Aadhar. Prof Luz Roncal of BCAM ( Basque Center for Applied Mathematics) Bilbao, Spain had given singular integrals and applications.

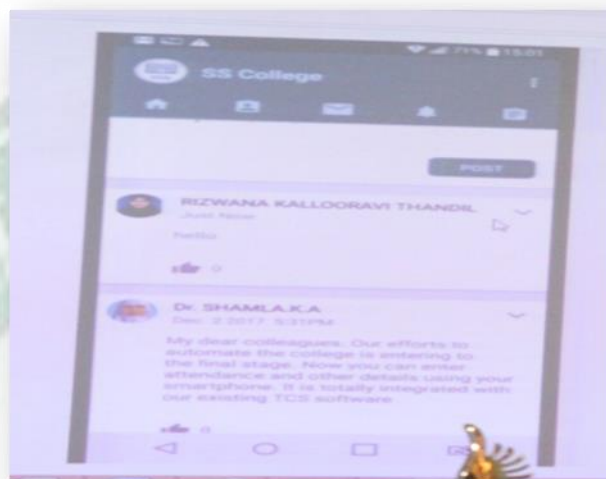


## **12. TCS Mobile App Training :**

A training program organized in the college on 12th July 2017, for the staff who handles the computer systems, maintenance and online entry works in the college to familiarize the activities on mobile online attendance Management System (TCS) as part of the announcement of TCS Mobile Application beta version. Trained staff members have to support the college in implementation of the app among all staff members. Vaishak K, Technical Support Engineer, Meshilogic Private Limited handled the sessions. 4 staff members attended the Training namely C.H Yunus(HA), Ameer Ajwad(Technical



Assistant), Sainul Abid V(Lab Assitant) and Ayob M.P(Assistant Professor,Dept. Of Computer Science).



### **13.2. Awareness workshop on GAINPF:**

All matters relating to Provident Fund accounts of Aided employees such as enrollment, maintenance of accounts, issuing of credit cards, submission and processing of loan and closure applications etc are to be done only through GAINPF system with effect from 01.04.2016. As part of this, college organized a workshop of the same to its employees (TS/NTS) on 3 August 2017 at BSc Computer Science lab. Ahamed Muneeb K, UDC handled the sessions and Ameer Ajwad, technical Assistant provided supports for him. 18 Teaching staff members and 7 Non teaching members attended the workshop.