INTERNAL QUALITY ASSURANCE CELL

(IQAC)

REPORT

2016-2017

Contents

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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.

Several quality enhancement programmes were organised during 2016-17. One-Day Hands-on training for teachers in Virtual Learning Environment and Two-Day National Conference on 'Quality Higher Education in the era of Open Online Education' are the significant activities organised by IQAC during 2016-17. 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 2016-17 with following activities.

1. <u>Department wise Bridge course for the fresh undergraduates:</u>

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 2016-17 conducted during 25,26 and 27 July 2016.

Mr. Hussain(CIGI,Calicut) who is an international trainer and career expert of CIGI. He made an awareness about various scholar ship schemes which are given by different government and non-government agencies.

2. National Science Day Celebrations-2017:

Scizone, the 'National science day celebration' was held in S.S college, Areacode powered by team 'walk with a scholar' in association with various departments of the college. Various programs were conducted by the students.

1. Science Lecture

The science lecture was held in the seminar hall by Mr. Shabeeb PK (Research scholar, Raman Research Centre, Bangalore) on the topic "Fostering scientific temper".

2. Science Expo

Science expo was very attractive and colorful. There were mainly 7 stalls in the expo. Chemizone, Physizone, Kitchen science, Astrozone, Magical science are some of them. A hall was setup at the entrance in which a PowerPoint presentation, explaining the importance of Science day, and a short science fiction movie "The Silent Tree" was been picturized. The presentation was handled by Abida Abdullah of English department. The presentation conveyed about the importance of science day. A brief description about C.V Raman and Raman effect was also explained in the presentation. This section also conveyed the overall idea about Scizone. The capacity of this hall was restricted to 10-20 students at a time.

3. Treasure Hunt

Treasure hunt was the most vibrant and curious event of the day in which a group of students from each department participated. Over 10 stages and 12 clues were setup. The clues were hidden in the college compound. The department of economics won the hunt.

2.One-Day Hands-on training for teachers in Virtual Learning Environment:

As an initiative to familiarise the latest tools of educational technology among teachers Internal Quality Assurance Cell (IQAC) organised a hands on training workshop for teachers on Moodle-based Virtual Learning Management system at Sullamussalam Science College on Six December 2016. Moodle being a flexible, open source and free to download learning management solution, it was chosen for this training for teachers. The programme covered the preparation of learning modules, method of conducting exams, giving assignments to the learners and sharing learning materials . . Mr. Ashkar Ali, FLAIR Visiting Scholar, Sheffield Hallam University , UK was the chief resource person of the workshop. About 50 teachers from various colleges participated in the programme. The programme was successful in providing a strong exposure to the participants for the skills of developing online courses.

NAAC sponsored
Two-day national conference on

"QUALITY HIGHER EDUCATION IN THE ERA OF OPEN ONLINE EDUCATION"

December 6-7, 2016 | Organized by IQAC Cell

SULLAMUSSALAM
SCIENCE COLLEGE, AREACODE
Ugrapuram PO, Areacode. Pin: 673639 | www.sscollege.ac.in

Preparatory Workshop

HANDS-ON TRAINING IN VIRTUAL LEARNING ENVIRONMENT

Mr. Ashkar Ali
(FLAIR Visiting Scholar, Sheffield Hallam University, UK)

6th December 2016 | Reg.Fee: Rs.200/-

Ensure your participation by mail at
iqac@sscollege.ac.in
on or before 2nd December 2016
Contact: 9446791440
(Shameem Kappan, Co-ordinator)

iqac@sscollege.ac.in
www.sscollege.ac.in

A revised system of keeping Internal Quality Records for various departments, clubs and forums was implemented by IQAC. The practice of keeping the records of regular curriculum delivery such as Year Plan, Semester wise Teaching Schedule, Time tables, internal marks and examination results already exists in all departments of the college. Principal and heads of the departments regularly verifies these documents.

Reports of seminars, workshops, projects, publications, student enrichment activities, extension activities and various achievements of teachers and students are to be submitted to IQAC by each department, club and forum at the end of each academic year for verification. Each faculty member should keep the record of their time table, lesson plan, details of mentoring sessions, research publications, participation in faculty development programmes and involvement in administrative roles, as a part of Performance based appraisal system (PBAS) which will be verified annually by IQAC.

4.Two-Day National Conference on 'Quality Higher Education in the era of Open Online Education':

A two-day national seminar on '' QUALITY HIGHER EDUCATION IN THE ERA OF OPEN ONLINE EDUCATION'' was organized in the college during 6-7 December 2016 . The core programme consisted of one inaguaral session, four plenary sessions , two paper presentation sessions in addition to a preconference workshop. The two-day seminar was inaugurated by Dr.P.Mohan , an eminent academician and Pro-Vice-Chancellor of University of Calicut . Dr.P.K. Babu ,Principal, M.E.S. College, Mampad delivered the conference keynote address on 'Introduction to E-learning - benefits of e-learning'.

In the first Plenary session Dr.T.P Abbas (Principal, M.E.S. College, Ponnani) presented 'Building Confidence with technology –Developing skills with online teaching'. Dr. R Vijayarakavan , Profesor, School of Computer Science, M.G. University, Kottayam delivered the plenary talk on 'Technology Enhanced Learning' in the session 2. 'Designing E-learning course- Experiencing curriculum design activities with e-learning' was the focal theme presented by Dr. Askar Ali , Assistant Professor, Government College, Tanur (FLAIR, Sheffield Hallam University, U.K) in the third plenary session. Dr. Afeef Tharavatthath, Assistant Professor, Farook Training College explained 'TPACK- The Modern Age of Pedagogy' in the fourth plenary session. The conference discussed various aspects of engagement with technology in blended teaching activities supporting use of e-learning

materials and resources for teaching.   About 12 papers were presented in two paper presentation sessions.

5. <u>Two day State level workshop on Entrepreneurial Startup by graduates:</u>

IEDC of SS College together with PG Department of Commerce conducted a Two day State level workshop on Entrepreneurial Startup by graduates on 28 of Feb and March 1. Students from various colleges participated the workshop and The organizers published a Proceeding of the Papers presented on the sessions. Ms. Preethi M (Manager, NIT Calicut-TBI), Prof. Sirajudheen KC (Assistant professor, PG Department of commerce MES Mampad College), Mr. C. Nuvais (Managing Director, KCM Appliances Pvt. Ltd.) were the key resource persons to handle the technical sessions over the two days of the seminar.

Dr. P. Muhammed Illyas, Principal Chaired the session. Ms. Preethi M (Manager, NIT Calicut-TBI) inaugurated the seminar. In her address she emphasized the relevance of Entrepreneurial Startup Ventures by Graduates in the present scenario. She also appreciated the commitment and determination of principal and members of the department in conducting seminar with topics of current relevance. Mr Muneer VK (IEDC Coordinator), Mr. Ahammed Fayas T (Assistant professor PG Department of commerce) Felicitated the session. Mr. Bassam K, (Assistant professor, PG Department of commerce) expressed vote of thanks.
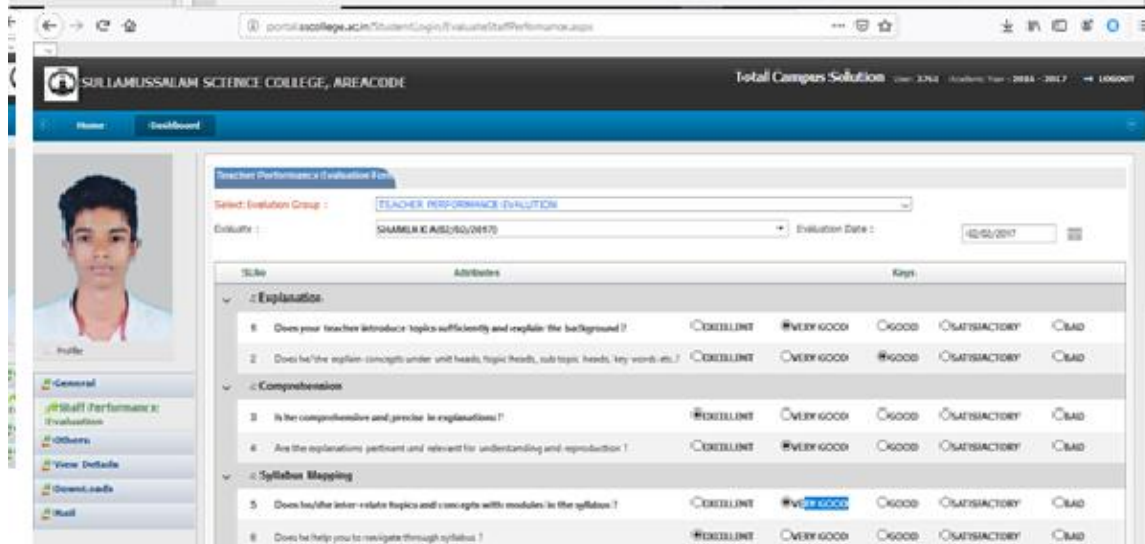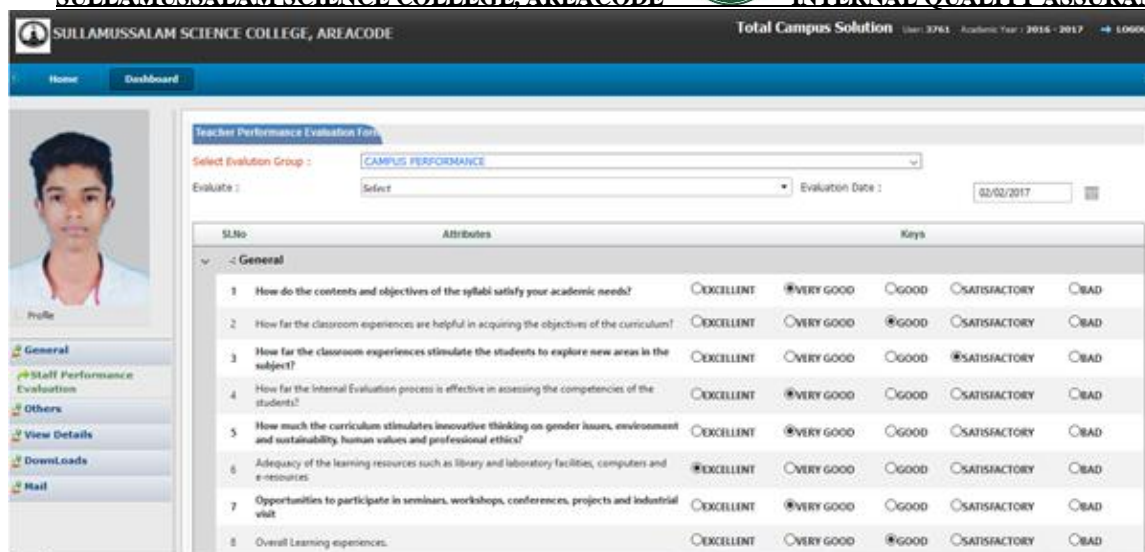
The second day of the seminar commenced with a welcome speech by Ahammed Fayas T (Assistant professor PG Department of commerce). It was chaired by Muneer VK (IEDC Coordinator). Mr. Ameen Islahi, Chief Technical officer IOSS-NITC, enlightened the audience with his presentation on "Challenges and opportunities of student entrepreneurs".Ms. Bareera PC, Assistant professor, PG Department of commerce, expressed vote of thanks and the session was disbursed for a lunch break. The fourth technical session was open at 1.30 for paper presentation by delegates up to 4.00pm. Mr. V. Muhammed Rafi (Head of Department of Commerce) and Mr. Mujeeb Rahman AP (Head of Department of Economics), was the moderators. Welcome speech was delivered by Mr. Bassam K, (Assistant professor, PG Department of commerce). This session was concluded at 4.00pm, with vote of thanks by Ansif EK 2nd Semester M.Com Student, PG Department of commerce. The valedictory session began at 4.15pm after the tea break with a welcome speech by Ahammed Fayas T (Assistant professor PG Department of commerce). Mr. V. Muhammed Rafi (Head of Department of Commerce) presided over the faction. Mr. Mujeeb Rahman AP (Head of Department of Economics), was the chief guest of the session. The chief guest distributed the certificates to delegates. Dr. P. Muhammed Illyas, Principal of Sullamussalam Science College Areacode, and Basheer KT Assistant professor, Department of Economics expressed their views and opinions relating to the topics discussed in the seminar. Some of the participants come foreward their valuable comments and feedbacks while evaluating the seminar. Thus, the two day state level seminar was wrapped up at 5 pm after offering the vote of thanks by Anuprabha BP (Assistant professor, PG Department of commerce). 30 seminar papers on various sub-teams of seminar were presented in the session. The copy of the seminar papers consolidated and edited, are enclosed herewith.

6. **Online automatic feedback system is upgraded**:

The system provides a user friendly interface, to give feedback and suggestions about their teachers who are teaching them and also about their campus and curriculum. They can select a teacher give feedback about each of them. The questions are about how the teacher explain the topic in the class. Whether it is relevant to the subject, or explains word by word, or whether he uses IT related tools for taking class, or explains out of syllabus subjects etc. Also there are option for explaining curriculum. It asks about whether the syllabus is apt for fulfilling the needs for creating a good professional, or campus is providing seminar, assignments, industrial visit etc. There are option for giving any suggestions about the curriculum and campus from student side.

7. **IQAC self-evaluation session:**

A self-evaluation session of all departments, clubs and forums was organised by IQAC in the college seminar hall on 31-03-2017 during 1.30 pm to 4.30 pm. The faculty members of all departments participated in the session. Principal Dr.P.Mumamed Ilyas inaugurated the session. The status reports of the quality initiatives of all departments, clubs and forums were presented by respective representatives. The mode of conduct of the internal examinations in the centralised fashion, quality criteria for various co-curricular activities, new facilities and practices to implemented in the library, innovative teaching practices and student enrichment activities were the issues that the participants raised during the discussion. Dr.G.Sajith consolidated the discussion.

8. <u>Walk With A Scholar (WWS) scheme:</u>

Walk With A Scholar (WWS) scheme proposes to arrange specialized mentoring programs for students in Under Graduate Programs in Arts, Science and to provide guidance and orientation to prepare themselves for employment or select areas for higher study. The scheme introduces the idea of mentoring and builds on the concept of mentor as a 'Guide' and 'Friend'. The mentoring scheme for students will be purely voluntary in nature. The Scheme aims at giving necessary orientation to needy students, to prepare them for employment and give them necessary guidance, motivation and necessary mental support to identify appropriate areas for higher study as well as employment. The mentoring scheme is planned to identify the opportunities available for the scholars, the areas suitable for them, the manner in which the scholar should proceed before them and evolve ways by which they can be acquired. For the purpose of mentoring, two categories of mentors will be identified. One will be 'Internal Mentor' and the second will be 'External Mentor'. The Internal mentor will be a faculty from the Institution in which the student (Scholar) is studying. External Mentors are being identified from any field as found necessary according to the local needs of the Institution/students. It will be open for 30 students of the first year of the

Under Graduate Programme of Study in a college. The selected students continue in the Programme for the entire 3 year duration of their Under Graduate Course. A brief description of the activities carried out by Team WWS, Sullamussalam Science college, Areacode in the academic year 2016-17 is given.

Team WWS, Sullamussalam Science College, Areacode comprised of 90 students as scholars (mentees), 15 internal mentors (teaching staff) and a co-ordinator. In this year, the 3-day induction programme exclussively for the fresh batch (2016-2019) of 'Walk With A Scholar (WWS)' students of Sullamussalam Science College, Areacode was conducted at Navajyothis Renewal Centre, Eranhipalam, Calicut from 18th to 20th November '16. This was the first programme conducted as part of external mentoring. About fourteen hours of external mentoring is done in this programme with eight resource persons including Hon. Vice chancellor and Prof. N. M. Hussain. Later many events had happened in the banner of Team WWS. Team WWS conducted 30 external mentoring sessions resulted in 80 external mentoring hours. A science expo 'SciZone' is conducted as part of science day celebrations in association with various departments. A treasure hunt is also organised in this programme. An interaction with Dr. N P Ashley (St. Stephen's, Delhi) is organised as part of the 'meet the scholar programme' in association with Department of English. A special gratitude is proposed to Dr. Zahira, Head of the Department of English in this regard. Team WWS is planned to conduct various programmes in future for the benefit of students to help them to excel in their academics. Internal mentoring is a vital part of the programme. About 60 hrs of internal mentoring is completed by different mentors.

9. <u>**Scholar Support Programme(SSP):**</u>

The activities of SSP of the academic year starts with an IQAC meeting held on 18 August 2016. Students with poor academic performance were given priority in the selection procedure. Computer Science, Physics, Mathematics, Economics and English were the fice identified subjects. Internal mentors were selected in the IQAC meeting. The co-ordinator convenced a meeting of internal meeting of internal mentors on 19 August 2016 to discuss

SSP and various activities which can be done under this programme. Mentors talked with students and decided the papers according their will. All the internal mentors completed 10 classes in each semester. Stationary kits were provided tio the students on or before 15ᵗʰ Dec. 2016. External mentoring sessions were arranged on 26ᵗʰ Jan. 2017 in which Dr. T O Paulose, Rtd Professor from Rajagiri college, Ernakulam. List of books were collected from the students and IQAC decided to buy through college library and the books were distributed to the students. Some departments keep the books in the department library. The coordinator convened meetings of internal mentors once in a month to evaluate the effectiveness of the programme.

10. Parambikkualam Tiger Reserve Visit and Training on Soft Skill Development

Parambikulam Tiger Reserve is a well protected ecological portion in the Nelliampathy - Anamalai landscape of the Southern Western Ghats in India. It is located in the Palakkad District of Kerala. It is one of the biodiversity hot spot in the world supports diverse habitat types and endemism. Considering its biological richness, abundance of wildlife and landcape beauty makes Parambikulam Tiger Reserve is one of the most attractive places in the entire stretch of Western Ghats. The college takes special interests on the development of inter personal and intra personal communication among the faculties. It was a 2 days training program for the teaching and non teaching staffs of the college. The program conducted on 7th and 8th October 2016 with the support from Parambikkulam Tiger Reserve Forest Development Agency. 18(15 teaching and 3 non teaching) staff members attended the program. The honourable Vice Chancellor of University of Calicut Dr. Muhamed Basheer was accompanied the staff and handled a class on ecology and medicinal plants. Familiarization of endangered medicinal plants, Ice breaking sessions, group activities , classes and trucking make the training an attractive one for the participants. The program was an eye opener for the members.

11. **Mind Tune Program.**

One day training for faculties on "Basics of student counseling" organized by the college on 23-03-2017 at hotel Westway, Nadakkavu, Calicut. "NLP for high leaner's"-the concept of NLP is used to give a varied view on how the link between language and thought could be leveraged to give a fruitful life. 35 Staff members(Teaching 27 and Non-Teaching 8)actively participated in the training program and classes handled by professors and trainers from 'Mind Tune' Academy, Calicut. Mr CA Rezakh(International Mind tuner, Family Trainer And Business Mentor) was the chief trainer of the program.