**DEPARTMENT OF CHEMISTRY**

**FATIMA MATA NATIONAL COLLEGE(AUTONOMOUS),KOLLAM**

**Minutes of the Board of Studies Meeting of Chemistry and Polymer chemistry held on 27th of August 2020 at 9.00 AM**

The meeting was conducted on Zoom platform of IQAC

The following members were present at the meeting.

**Outside Parent University**

1. Dr Sreedharan Prathapan,

School of Applied Chemistry, CUSAT

1. Dr Sivanandan Aachari,

School of Environmental Studies, CUSAT.

**Industrial sector**

1. Dr Anoop Krishnan, Centre for Earth Studies (CESS)
2. Mr. Raghavan K, Former MD, KMML, Chavara

**Alumnus**

1. Dr Arun R, Assistant Professor, Christ College, Iringalakkuda

**University Nominee**

1. Dr Ani Deepthi, University of Kerala, Kariavattom, Thiruvananthapuram

**Faculty of Department of Chemistry, Fatima Mata National College**

1. Dr Suma N
2. Dr Apsara A P
3. Dr Sarau Devi A
4. Dr Biju Mathew
5. Dr Manohar D Mullassery
6. Dr Noeline B Fernandez
7. Dr Mary Nancy T E
8. Mrs. Mini V
9. Dr Shibu Joseph S T

10.Mrs. Sherin Mol C B

**Agenda of the meeting**

1.Syllabus Revision

2. Introduction of Add on Course

3. Feasibility of introducing 4 year Degree Course in the

current scenario

4. Relevance of 3 main Degree Course in the current

scenario

5. Introduction of latex processing technology along with

conventional polymer practical in the B.Sc Polymer

Chemistry Programme

**Proceedings of the Meeting**

The meeting began with a silent prayer.

The meeting was presided by Dr Apsara A .P, Head of the Department. Dr Biju Mathew welcomed the participants.

Dr Apsara A .P presented the minutes of previous Board of Studies Meeting of Chemistry and Polymer Chemistry convened on 28-02-2019 and the Action Taken Report. The meeting approved the minutes of the previous meeting.

1. **Revision of ongoing syllabus of B.Sc Chemistry and M.Sc Chemistry**

The meeting discussed about the change to be included in the B.Sc syllabus and decided to add the topic “Introduction to Mossbauer Spectroscopy” in the Fifth Module of Physical chemistry for Semester VI and to delete NMR Spectroscopy from the module

In the present syllabus of M.Sc Chemistry, the Internship is Mandatory for PG students after the completion of Semester II.

But due to the present condition of Covid Pandemic, the meeting decided to have the Internship after the completion of semester III. This is applicable only for this year.

Dr Anoop Krishnan has given consent to accommodate 5 to 7 M.Sc students in CESS for internship and Dr AniDeepthi, agreed to accommodate 6 to 8 M.Sc students at the University of Kerala, Kariavattom campus.

1. **Introduction of new Add on Course for M.Sc students**

Discussions were held for introducing a new Add on Course for M.Sc students with a proposed title “Reagents Preparation and Chromatography”.

Dr Sivanandan Aachari, proposed that a general title may be attractive rather than a specific title. The meeting finalized the title as **“Laboratory Practices in Chemistry”**. Dr Sivanandan Aachari agreed to verify and finalise the Syllabus for the Add on course. The fee structure was finalized as Rs. 2000 /- per student .The proposed Add on Course is a laboratory training for PG students of Physics, Zoology and Botany.

1. **Feasibility of introducing 4 year Degree Course in the current scenario**

The meeting discussed about the feasibility of four year degree course in preview of National Education Policy.

Dr Sreedharan Prathapan commented that introduction of four degree programme is mandatory. The meeting discussed various possibilities for the options of four year degree course. Dr Ani Deepthi strongly suggested for an Integrated PG course with IISER pattern. The meeting discussed the feasibility of an Integrated B.Ed Course, since about 80% students choose B.Ed course after their Degree course.

1. **Discussion about the relevance of three main course in the current scenario**

The meeting discussed about the interdisciplinary three main degree course **“Forensic Science(Criminalistics)”**suggested by the Science Departments of the college. Majority of the participants highlighted the Limitations of the proposed course, such as less scope and employability. Moreover the proposed course require Equivalence Certification with M.Sc Chemistry even for applying to Lecturer post, other Government jobs and even in Non-Government sectors, which make it less attractive. Many suggested to change the title to **“Practicing Chemistry in Criminalistics” or “Chemistry- Specialization in Forensic Science”,** which may be more attractive than **“Forensic Science(Criminalistics)”**

1. **Introduction of latex processing technology along with conventional polymer practical in the BSc Polymer**

**Chemistry Programme**

The meeting had discussion to introduce new content in the practicals of B.Sc Polymer Chemistry Programme. Dr Sreedharan Prathapan recommended that Latex Processing is a useful technique and it fits well with the Polymer Chemistry Course. The introduction of Latex Processing in the content of practical help the students to learn industrial related process and it may enhance the employability of the programme .Dr Sreedharan Prathapan and Dr Sivanandan Aachari suggested that some of the faculty may undergo training in the Rubber Research Institute, Puthupally for learning the practical aspects of the latex processing and organize orientation programmes for teachers regarding the laboratory procedures in collaboration with Rubber Research Institute, Kottayam.

The proposed Content Modification in Polymer Practicals is given below

Dip Goods, Latex Products (Synthesis), BIS Standards for analysis and testing latex and latex products, Waste water processing in polymer industries

Dr Shibu Joseph proposed the vote of thanks and the meeting concluded by 10.30 am