



SMVDU/SoBT/19/ 065

19.09.2019

**MINUTES OF THE 9TH MEETING OF BOARD OF STUDIES (BoS) OF
SCHOOL OF BIOTECHNOLOGY (SoBT), SMVDU**

The 9th Meeting of Board of Studies (BoS) of School of Biotechnology (SoBT), SMVDU was held on 13.09.2019 in the Committee Room, Administrative Block of SMVDU at 3.00 PM in which various Academic matters related to UG and PG courses to be offered by School of Biotechnology were discussed. Following members attended the 9th Meeting of Board of Studies (BoS) of School of Biotechnology (SoBT):

1	Prof. V.K. Bhat	Professor, Dean, FoS Chairman (<i>Ex-Officio</i>), BoS of SoBT
2	Prof. R.K. Bamezai	Professor & Head (Physical Chemistry), Department of Chemistry, University of Jammu Special Invited Member, BoS of SoBT
3	Prof. S.K. Pandey	Professor (Inorganic Chemistry), Department of Chemistry, University of Jammu Special Invited Member, BoS of SoBT
4	Dr. Sharada M. Potukuchi	Associate Professor, Head, SoBT & Vice-Chairperson, BoS of SoBT
5	Prof. V. Verma	Professor
6	Dr. Sumeet Gupta	Dean, Academic Affairs, SMVDU Invited Member, BoS of SoBT
7	Prof. Eshwarmoorthy Muthusamy	Dean, Faculty of Engineering, SMVDU
8	Dr. K.R Jha	Head, School of Electronics and Communication Engineering, SMVDU
9	Dr. Manoj Kumar Gupta	Head, School of Computer Science and Engineering, SMVDU
10	Dr. R.K. Mishra	Head, School of Mechanical engineering
11	Dr. Anil Kumar	Assistant Professor, SoBT

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12	Dr. Preeti Sharma	Assistant Professor, SoBT
13	Dr. Shafaq Rasool	Assistant Professor, SoBT & Member Secretary, BoS of SoBT
14	Mr. Parvez S. Slathia	Assistant Professor, SoBT
15	Mr. Arvind Yadav	Assistant Professor, SoBT
16	Dr. Indu Bushan	Assistant Professor, SoBT
17	Dr. Raju Shankarayan	Assistant Professor, SoBT
18	Dr. Vinod Singh	Assistant Professor, SoBT
19	Dr. Swarkar Sharma	Assistant Professor, SoBT
20	Dr. Ekta Rai	Assistant Professor, SoBT
21	Dr. Rakesh Kumar	Assistant Professor, SoBT

Dr. Sharada Potukuchi informed the Board that the External Expert Members, Dr. G.S. Prasad, Chief Scientist & Head, MTCC, CSIR-Institute of Microbial Technology, Chandigarh, Prof. M.V. Deshpande Emeritus Scientist & Professor, AcSIR, Biochemical Sciences Division, CSIR-National Chemical Laboratory, Pune and Dr. Prashant Agrawal CEO and Director, Ira Agrotech and Research Pvt. Ltd., Nagpur, Maharashtra; could not attend the meeting due to paucity of time since the meeting was organized at a very short notice due to certain urgent matters to be taken up to Academic Council of the University.

Dr. Ratna Chandra , Associate Prof. SoBT could not attend the meeting being on child care leave and Dr. Narendar Bairwa , Astd. Prof., SoBT could also not attend the meeting being on duty leave.

9.1 Welcome of new Members by the Chair

Dr. Sharada Potukuchi, Head, SoBT and Vice Chairperson of BoS welcomed Prof. V.K. Bhat, Dean, Faculty of Sciences, Chairman (*Ex-Officio*); Prof. R.K. Bamezai, Professor & Head (Physical Chemistry), Department of Chemistry, University of Jammu, Special Invited Member, BoS of SoBT; Prof. S.K. Pandey, Professor (Inorganic Chemistry), Department of Chemistry, University of Jammu, Special Invited Member, BoS of SoBT; Dr. Sumeet Gupta, Dean, Academic Affairs, SMVDU; Prof. Eshwarmurthy Muthusamy, Dean, Faculty of Engineering,

Sharma

SMVDU; Dr. K.R Jha, Head, School of Electronics and Communication Engineering, SMVDU, Dr. Manoj Gupta, Head, School of Computer Science and Engineering, SMVDU and all the faculty members of SoBT present in the meeting and thanked them for making it convenient to attend the meeting at a very short notice.

Following agenda items related to BoS of SoBT were discussed and deliberated and after detailed discussions/ deliberations, the recommendations of the Committee are given below. The agenda items which were discussed during this meeting and the changes suggested are detailed herewith.

9.1 To consider and ratify minutes of 8th BoS meeting held on May, 22nd 2019

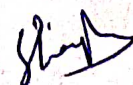
The minutes of the 8th meeting of Board of Studies held on 22nd May, 2019 were circulated to all the BOS members. Since no comments had been received from any members, the same were unanimously approved. The Action Taken Report (ATR) from the ensuing discussions and the copy of the MOM are placed at Annexure -I.

Agenda Item No. 1

9.2 To consider and approve the Course structure and Syllabus for new program in M. Sc. (Chemistry) to be offered by SoBT

The detailed Course structure as well as the course contents for M.SC Chemistry Program to be offered by School of Biotechnology from the next Academic Session (2020) prepared by Dr. Anil Kumar, Asst. Prof., SoBT were discussed in detail and after due deliberations among the board members following was suggested:

- i) The subject External Experts Professor S. K. Pandey and Professor R. K. Bamezai suggested to drop the course titled "Mathematics for Chemists/Biology for Chemists" from Semester-I in the proposed course structure. Instead, he suggested to incorporate an open elective course so that it fulfills the criterion laid in Choice Based Credit System (CBCS) as recommended by UGC.



- (ii) The subject external Experts also suggested to include the course "Theoretical and Computational Chemistry" in semester IV in place of the course "Computer Applications in Chemistry".
- (iii) Prof. Pandey suggested to include organo-transition chemistry portion in the revised course content.
- (iv) Prof. Pandey also suggested to revise the contents of courses - Inorganic Chemistry (Specialization paper-II) and Inorganic Chemistry (Specialization paper-III)

All the suggestions have been incorporated and accordingly the revised Course structure along with course contents is placed as **Annexure-II**.

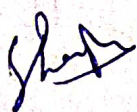
The expert members emphasized on the initiation of M. Sc. Chemistry Program in SMVDU at the earliest as the course is in huge demand in the state. They recommended to recruit at least five more faculty members with specialization in Organic, Inorganic and Physical Chemistry for teaching the courses in M. Sc. (Chemistry). Two Faculty members will be required in the beginning i.e. from 2020 with specialization in two branches of Chemistry (Inorganic and Physical Chemistry).

Three Faculty members shall have to be recruited w.e.f. from 2021 (One from each field of specialization - Organic, Inorganic and Physical Chemistry).

Agenda Item No. 2

9.3 To consider and approve Course structure and Syllabus for the Common Course in Chemistry for all branches of B. Tech. (First Year) in the University

The matter pertaining to offering a common course of Chemistry to all B. Tech students in first year was discussed and deliberated. Dr. Anil Kumar, Astd. Prof, SoBT justified the floating of chemistry course (Theory and Lab) to all the B. Tech students in First year. He apprised the board that the course in chemistry is offered to all B. Tech. students in Engineering Institutes across India including IITs, NITs, etc. AICTE also recommends the inclusion of chemistry course in B. Tech. program.



The matter was deliberated in detail by the members of the board and subject external experts who strongly recommended the inclusion of chemistry for all B. Tech programs of the University in view of the applicability of the subject to all Engineering disciplines.

However, Dr. Kumund Ranjan Jha, Head, SoECE and Dr. Manoj Kumar Gupta, Head, SoCSE suggested that the same shall be discussed in their respective Schools prior to implementation.

Details of the course contents is appended as **Annexure-III**

Agenda Item No. 3:

9.4 To consider and approve the Course Structure for Dual Degree Program in M. Sc. (Chemistry)

Dr. Sharada Potukuchi, Head SoBT, apprised the members of the board that the University Authorities intend to offer Dual Degree Programs in Basic Sciences like Chemistry, Biology, Physics and Mathematics from Academic Session 2020.

Accordingly SoBT also intends to offer the Dual Degree Program in Chemistry from 2020 onwards. The course structure of B. Sc. (Chemistry) prepared by Dr. Anil Kumar, Astd. Prof. SoBT was discussed and deliberated.

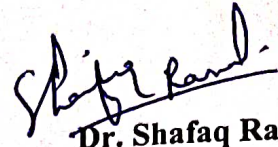
It was recommended by the external subject experts that the revised course structure may be prepared in accordance with UGC's Choice Based Credit System (CBCS) followed by most of the Universities in India.

Accordingly the course structure for B. Sc. (Chemistry) has been revised and the same is appended as **Annexure-IV**. The Course structure for M. Sc. (Chemistry) Program shall be the same as appended in **Annexure-II**



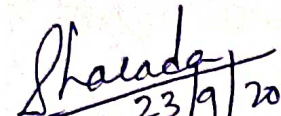
9.5 Vote of thanks

Meeting ended with Vote of Thanks to External Experts and all the attendees of the meeting. Submitted for your kind consideration & approval of the same in the forthcoming Academic Council meeting.



Dr. Shafaq Rasool

Member Secretary BoS, SoBT



23/9/2019
Dr. SHARADA POTUKUCHI
Head, School of Biotechnology

Copy to:

1. Chairman, BoS of SoBT, SMVDU for kind information.
2. Registrar, SMVDU for kind information.
3. Dean (AA) for information.
4. PS to VC for kind information of Hon'ble Vice-Chancellor.
5. All members concerned for information by E-mail.
6. Record/Office file.

