

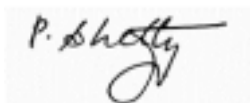
Minutes of the 12th BOS meeting held on 22nd April 2024

The following members were present

Dr. Harichandra Parbat
Prof. I N. N. Namboothiri
Dr. Prabha Shetty
Dr. Sirisha Murthy
Ms. Tanaz Asha
Ms. Lynelle Jeysus
Sr. Rajani Khandagale

- The 12th BOS meeting of the Department of Chemistry was held on 22nd April 2024 at 10:00 am in Sophia College.
- The Head of the Department Dr. P. Shetty welcomed all the members.
- The minutes of the last BOS meeting held on 14th December 2023 were read by Ms. Tanaz Asha and later passed by the board.
- The syllabus for UG and PG Semester 3 & 4 under NEP was presented.
- The board members were informed that SY B.Sc syllabus was framed for DSC-I, DSC-II, one VSC and one SEC (to be framed), this has been worked out by the college committee based on the NEP-2020 guidelines.
- The board members were informed that the credit structure for the course is yet to be decided by the college.
- SYBSc syllabus for paper 1 sem III, sem IV and VSC was presented by Dr. Prabha Shetty. Prof. Namboothiri suggested adding the physical aspects of organocatalysis in sem III paper 1. Dr. H Parbat suggested changing the title of unit 3 as Introduction to Analytical Chemistry.
- SYBSc syllabus for paper 2 sem III & IV was presented by Dr. S. Murthy. For sem III Prof. Namboothiri suggested to include calculations based on pK_a and Pk_{IN} in sub-unit 1.4 He also suggested to mention a few name reactions for a type of reaction.
- For sem IV Prof. Namboothiri suggested adding an 18 electron rule and effective atomic number in sub-unit 2.2. He also pointed out that only electrophilic substitution of benzene is included in the syllabus. Nucleophilic substitution reactions should also be included. Dr. H Parbat pointed out that the title for unit 3 is not mentioned.
- Dr. S. Murthy presented the practical syllabus of DSC-I and DSC-II.
- Dr. Prabha Shetty presented the practical syllabus of VSC and SEC. Dr. H Parbat suggested including some analytical practical in SEC and VSC.
- Ms. Tanaz Asha presented the assessment pattern for SYBSc. Prof. Namboothiri suggested taking 3 tests to be taken in continuous assessment and selecting the best of two and he also suggested to include continuous assessment for the practical. In response Ms. Tanaz Asha informed that the exam committee decides the assessment pattern but we can suggest to them about this.

- Dr. Prabha Shetty presented the VSC syllabus and informed that the college has decided to conduct VSC in semester III and SEC in semester IV. VSC will be a practical based course of 2 credits and only Continuous assessment will be conducted. Prof. Namboothiri suggested adding identification of compounds by melting point/Boiling point after purification of organic compounds.
- Ms. Lynelle Jeysus presented the MSc syllabus for the second year SEM III & IV. Two papers of DSC (discipline specific course) of 6 credits each and one DSE (discipline specific elective) of 4 credits
- Dr. H Parbat suggested including dissertation in sem IV. Prof. Namboothiri suggested formatting the reference list and mentioning the latest edition for each book after 2000 and to include paints in semester III paper 2 unit 4.
- Prof. Namboothiri suggested analysis of heavy metals in paints can be included for DSE.
- For semester IV DSC- I Prof. Namboothiri suggested to include analytical techniques such as ESI and MALDI in unit 4 and to make separate subunits for hyphenated techniques and ionization techniques. For DSC-II he suggested mentioning the types of IP in unit 1. He also suggested including some practical's of green chemistry in DSE.
- Ms. Tanaz Asha informed the board members that the FY-OE which was in semester II will also be conducted in semester I. She also mentioned that if the college decides VSC as a 2 credit full practical based course then more practicals will be added.
- Dr. S. Murthy and Ms. Lynelle Jeysus informed about the credit courses such as natural dyeing and entrepreneurship opportunities conducted by the department. Dr. S. Murthy also informed that the department has planned to conduct one more credit course on "Positive health in women" in the month of June or July.
- A resolution for the Semester III and IV new syllabus for SYBSc and MSc part 2 was proposed by Dr. Prabha Shetty and seconded by Dr. H. Parbat.
- The board members were told that the department will try to incorporate changes as per suggestions and update all of them at a later stage. The board members were of the opinion that since all things are in a state of flux they have no problem with the changes made by the department later.
- Ms. Tanaz Asha presented a vote of thanks to the board members.



Dr. Prabha Shetty
Associate Professor
Head Department of Chemistry
Sophia College for Women (Empowered Autonomous)