

DAV University Jalandhar

Department of Physics

Dated: 22 Feb, 2020

Sub: Minutes of Meeting of BoS (Department of Physics) held on 22-02-2020 at 11:00 AM in the committee room of DAV U

Agenda: Regarding holding of Board of Study meeting -2020.

Members Present

- | | |
|----------------------------|---|
| 1. Prof. (Dr.) D. P. Singh | Head, Department of Physics, (GNDU) External Expert |
| 2. Dr. R. K. Seth | HoD/ Coordinator |
| 3. Dr. Samriti Khosla | Associate Professor |
| 4. Dr. Praveen Kumar | Assistant Professor |
| 5. Dr. Daljit kaur | Assistant Professor |
| 6. Dr. Mamta Rani | Assistant Professor |

A meeting was held on the above said agenda. At the outset, Dr. R. K. Seth, Coordinator/HoD of the department extended his warm welcome to the external expert and members present during the meeting.

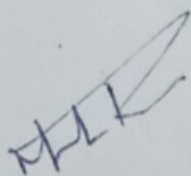
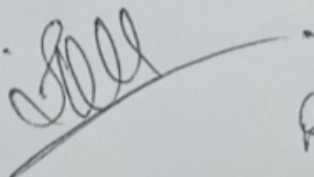
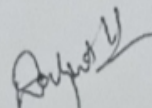
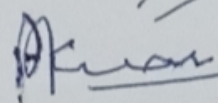
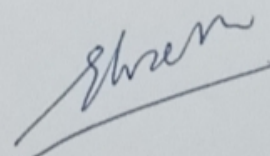
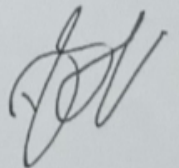
Previous BoS 2019

BoS was held last year in 2019 and the decision to incorporation of MooC courses in the department has been taken by the then members present in the meeting BoS – March 2019. The same has been incorporated and also the same has been informed to the students of each class.

BoS 2020

The following have been decided:

1. The term "Interdisciplinary Course - I" at page 2 be replaced by "Generic Elective-I" of MSc Scheme.
2. The term "Interdisciplinary Course - II" at page 5 be replaced by "Generic Elective-II" of MSc Scheme.
3. The Course PHY 629 (Course Name: Solar Cell: Fundamentals and Applied Aspects) of credit 4 in the basket Departmental Elective III at Sr. No. 2, Semester IV of MSc class be incorporated in the basket Generic Elective-II. The Course PHY 629 (Course Name: Solar Cell: Fundamentals and Applied Aspects) of credit 4 in the basket Departmental Elective III at Sr. No. 2, Semester IV of MSc class be deleted from the Departmental Elective III at Sr. No. 2, because same to be incorporated in Generic Elective-II.
Introducing the Course PHY 629 (Course Name: Solar Cell: Fundamentals and Applied Aspects) in Generic Elective-II would be more beneficial for the students due to availability of more options in Generic Elective -I.
4. The revisions in PHY 232A, Course name : Elements of modern physics, BSc (Phy) Sem IV
The topics related to Nuclear Physics in Unit 3 and unit 4 be deleted.

The contents of the syllabus in PHY 232A are revised and the new course code is PHY 232B with course name "Elements of modern physics" and contents comprising all the four units along with references are attached herewith.

The new contents incorporated are as follows:

"Topics related to atomic models, old quantum theory, hydrogen spectra, x-ray spectra have been added in Unit 1 and unit 2".

The topics of basics of atomic spectra, initial models of atom given by Thomson, Rutherford, Bohr and Sommerfeld, Frank-Hertz experiment, correspondence principle, X-rays etc. are not being studied by the students throughout the graduation, but these topics are a very important part of the curriculum and the same becomes the basis of study Schrodinger theory of hydrogen atom and spectroscopic term states, LS and jj coupling schemes in course of Quantum Physics."

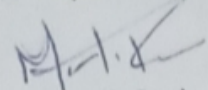
5. The contents of the syllabus of the course code PHY 282 (Course name: Basics of Quantum Mechanics) running in BSc (Computer Science Sem IV) needs certain revision and the same has been revised (The new course code PHY 282A) as the contents of the course matches with the PHY 232B (Elements of modern physics, BSc (Phy) Sem IV) to make it more informative for the benefit of students.

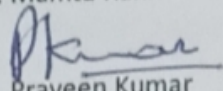
6. The revisions in Course code PHY341, Course Name : MATLAB L T P Cr : 2, 0, 0 2
MATLAB course curriculum is designed to make students familiar with the MATLAB software. Though the students earn credits in the said course, but practically inculcated knowledge about the course is almost negligible. For better understanding of the said course, the significance should be given to the practical aspect rather than the theoretical (which simply imparts the student only subjective knowledge without giving them the practical aspect of this software) keeping in view the career of the students. Therefore, the said course be revised in terms of its LTP distribution, so as to keep the total credits (2) of the course by giving 4 hours to practical in a week.

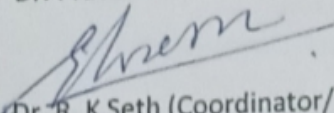
The new course code is

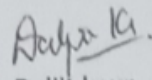
Course code PHY342, Course Name: MATLAB L T P Cr : 0, 0, 4 2

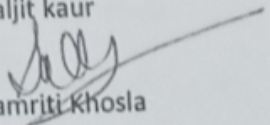
In the end, Dr. R. K Seth extended thankful remarks to the members present.

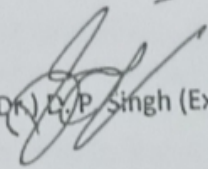

Dr. Mamta Rani


Dr. Praveen Kumar


Dr. R. K Seth (Coordinator/ HoD)


Dr. Daljit kaur


Dr. Samriti Khosla


Prof. (Dr.) G. P. Singh (External Expert)