MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN COMPUTER SCIENCE
HELD ON OCTOBER 11, 2023 AT 10.00 a.m.

Vide Chowgule College Notice BOS/2023-24/133(C)/731 dated 16 September 2023 meeting of this Board of Studies (BoS) was convened on October 11th, 2023 at 10.00 a.m. in Block Laboratory-I of Computer Science Department, Parvatibai Chowgule College of Arts and Science (Autonomous), Margao-Goa. Since the number of members present represented the quorum, the BoS began its proceedings.

Minutes are presented in the format.

Members present in person:
1. Dr. Sameena Falleiro - Chairperson

2. Dr. Kissan Gauns Dessai – Academic Council Nominee

3. Mr Vinay Praveen Mahale – Alumni Representative

4. Mr. Kumaresh V.C – Member

5. Dr. Shaila Ghanti – Member

6. Mr. D. Prabakaran – Member

7. Mr. Alberto Ian Barreto – Member

8. Ms. Judith Dias Barreto – Member

9. Mrs. Suchitra Bhat – Member

10. Ms. Dikshita Aroskar – Member Secretary

11. Mr. Mahesh Matha – Member

12. Mr. Gajanan Nial – Member

13. Mr. Amogh Raiturkar – Member

14. Mrs. Sanas Shaikh – Member

15. Mr. Gauresh Tari – Member

16. Mr. Mitendra Alve – Member

Members absent with intimation:
1. Dr. Sharad Sinha – Academic Council Nominee

Members absent without intimation:
1. Dr. J.A. Lakshminarayana – Vice Chancellor, Goa University Nominee
2. Mr. Jervis Pereira – Industry Representative

Proceedings:

The members of the Board of Studies (BoS) were welcomed by the Chairperson Dr. Sameena Falleiro. The Member Secretary Ms. Dikshita Aroskar introduced and explained the agenda for this meeting and the Board transacted the following business:

Agenda :

1. To approve the UG syllabus Semester III & IV for BSc in Computer Science under NEP 2020.
2. To approve the Multidisciplinary, Skill Enhancement, Vocational Education & Training , Ability Enhancement (Modern Indian Language) Syllabus under NEP 2020.
3. To review the syllabus of the PGDCA programme.
4. To approve the Semester III & IV syllabus for MSc-IT Programme.
5. To approve the UG syllabus Semester III & IV for BVoc in Software Development under NEP 2020.
6. A.O.B.

AGENDA 1:
1. **To approve the UG syllabus for Semester III and IV under NEP 2020**

The syllabus for the Discipline Specific Core courses, UG-COM-201: Data Structures; UG-COM-202:Object Oriented Programming to be offered at Semester III and UG-COM-203:Computer Architecture; UG-COM-204: Operating System; UG-COM-205:Mobile Application Development; UG-COM-206: Software Engineering to be offered at Semester IV was discussed and deliberated.

On deliberation it was suggested that the courses COM-203:Computer Architecture; UG-COM-204: Operating System be offered as a single course titled Computer Architecture and Operating System. It was also suggested that UG-COM-205:Mobile Application Development be offered as a vocational course in place of the earlier suggested UG-COM-VOC-1: Web Design.

To cater to the foundational knowledge of a computer science student as well as to cater to the needs of the industry, the following courses were recommended for inclusion as Discipline Specific Core courses in semester IV: Mathematical Foundations for Computer Science and Web Development with PHP.

This was further deliberated and syllabus was approved by the members of the board (Annexure A).

It was also suggested that COM-202:Object Oriented Programming be offered to the minors.

AGENDA 2:

2. **To approve the syllabus of Multidisciplinary, Skill Enhancement, Vocational Education & Training under NEP 2020.**

Syllabi for the Multidisciplinary course (MDC):UG-COM-MDC4: Fundamentals of Data Science and Skill Enhancement course (SEC):UG-COM-SEC3:UI/UX Design to be offered at semester III was discussed, deliberated, and on the suggestion of the BoS members, it was decided to change the nomenclature of UG-COM-MDC4: Fundamentals of Data Science to UG-COM-MDC4: Fundamentals of Data Analysis.

The syllabus for the same was approved by the members of the board (Annexure A):

    I.   UG-COM-MDC4: Fundamentals of Data Analysis

    II.   UG-COM-SEC3:UI/UX Design

Syllabi for the Vocational Course (VOC) which is to be offered at Semester IV as minuted earlier, was approved by the members of the board (Annexure A):

    III.   UG-COM-VOC-1: Mobile Application Development

AGENDA 3:

3. **To review the syllabus of the PGDCA programme :** Deferred from the agenda.

AGENDA 4:

4. **To approve the Semester III & IV syllabus for MSc-IT Programme.**

The syllabus for the List of Discipline Specific Electives III & IV courses PGMP-IT-DSE-501 : Data Mining; PGMP-IT-DSE-502 Information Retrieval; PGMP-IT-DSE-503 Information Security; PGMP-IT-DSE-504 Parallel and Distributed Computing; PGMP-IT-DSE-505 Soft Computing; PGMP-IT-DSE-506 Digital Image Processing; and List of Discipline Specific Research Electives I & II PGMP-IT-DSRE-501 Research Methodology; PGMP-IT-DSRE-502 Data Analytics; PGMP-IT-DSRE-503 Modeling and Simulation; PGMP-IT-DSRE-504 Blockchain Technologies; PGMP-IT-DSRE-505 Natural Language Processing; PGMP-IT-DSRE-506 Neural Networks and Deep Learning was discussed, deliberated and approved by the members of the board (Annexure B).

The syllabus for the List of Discipline Specific Research Electives I & II courses PGPM-IT-DSRE-501: Research Methodology; PGPM-IT-DSRE-502: Data Analytics; PGPM-IT-DSRE-503: Modelind and Simulation; PGPM-IT-DSRE-504 : Blockchain Technologies; PGPM-IT-DSRE-505 : Natural Language Processing; PGPM-IT-DSRE-506 : Neural Networks and Deep Learning and PGPM-IT-DSRE-507 : Educational Technology was discussed, deliberated and approved by the members of the board (Annexure B).

It was recommended by the board to offer PGPM-IT-DSRE-507 : Educational Technology as a Generic Electives for Students of other PG Programmes instead of being offered as Discipline Specific Research Electives

List of Generic Electives for Students of other PG Programmes PGMP-IT-GE-501 Programming using Python;PGMP-IT-GE-502 Introduction to Web Designing; PGMP-IT-GE-503 Content Management System and PGMP-IT-GE-504 Educational Technologies was discussed, deliberated and approved by the members of the board (Annexure B).

The board members have proposed that it would be more beneficial to offer Discipline-Specific Elective courses as a combination of three credits of theory and one credit of practical, rather than offering them solely as theory-based courses.

AGENDA 5:
5. **To approve the UG syllabus Semester III & IV for BVoc in Software Development under NEP 2020.**

The syllabus for semester III and IV for BVoc programme was discussed, deliberated and approved by the members of the board the same is presented in annexure A.

AGENDA 6:
6. **A.O.B.**

1. SEC Courses : The board members recommended the inclusion of Skill Enhancement Courses (SEC) in areas such as Content Management System (CMS) and Web Design.
2. The board members suggested that the proposed changes to the structure of semester III and IV should be implemented for the current batch of students.

PART A: Resolutions (Annexure A and B)

1. Resolution was passed to approve the syllabi for Discipline Specific Courses to be offered at Semester III and IV of BSc Computer Science program under the approved new Programme structure and passed a resolution to incorporate it for the batch of students enrolled under NEP 2020.

2. Resolution was passed to approve the syllabi for Multi-Disciplinary Courses and Skill Enhancement Courses to be offered at Semester III and a Vocational Course (VOC) to be offered at Semester IV under the approved new Programme structure and passed a resolution to incorporate it for the batch of students enrolled under NEP 2020.

3. Resolution was passed to approve the syllabi at Semester III and IV for MSc IT programme.

4. Resolution was passed to approve the syllabi at Semester III and IV for BVoc programme under the approved new Programme structure and passed a resolution to incorporate it for the batch of students enrolled under NEP 2020.

PART B:

Important points/recommendations of BoS that require consideration/approval of Academic Council:

1. To seek approval for the syllabi for Discipline Specific Courses and changes proposed by the BOS in courses to be offered at Semester III and IV for BSc Computer Science Program and to incorporate the same for the current batch of students enrolled under NEP 2020.

2. To seek approval for the syllabi for Multi-Disciplinary Courses and Skill Enhancement Courses to be offered at Semester III and a Vocational Course (VOC) to be offered at Semester IV under the approved new Programme structure.

3. To seek approval for the syllabi to be offered at Semester III and IV for MSc IT programme.

4. To seek approval for the syllabi to be offered at Semester III and IV for BVoc Software Development programme.

The Chairman thanked the members of the Board of Studies in Computer Science for their valuable contribution and active participation in the meeting.

The meeting ended with a vote of thanks to the Chair.

The foregoing minutes of the meeting were circulated by the Chairman, Board of Studies in Computer Science after the conclusion of the BoS meeting.

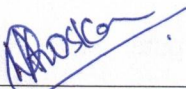The following members of the Board of Studies were present for the meeting:

1. Dr. Sameena Falleiro - Chairperson
2. Dr. Kissan Gauns Dessai – Academic Council Nominee
3. Mr Vinay Praveen Mahale – Alumni Representative
4. Mr. Kumaresh V.C – Member
5. Dr. Shaila Ghanti – Member
6. Mr. D. Prabakaran – Member
7. Mr. Alberto Ian Barreto – Member
8. Ms. Judith Dias Barreto – Member
9. Mrs. Suchitra Bhat – Member
10. Ms. Dikshita Aroskar – Member Secretary
11. Mr. Mahesh Matha – Member
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Members absent with intimation:
   1. Dr. Sharad Sinha – Academic Council Nominee

Members absent without intimation:
   1. Dr. J.A. Lakshminarayana – Vice Chancellor, Goa University Nominee
   2. Mr. Jervis Pereira – Industry Representative

Ms. Dikshita Aroskar
(Member Secretary)

Dr. Sameena Falleiro
(Chairperson, Board of Studies, Computer Science)

Date: 16 October 2023.

PART C: The remarks of the Dean of Academics:

a. The minutes are in order.

b. The minutes may be placed before the Academic Council with remark, if any.

c. Important points of the minutes which need clear policy decision of the Academic Council to be recorded.

Date: 16-10-2023

Signature of the Dean of Academics:

Dr. Meghana S. Devli

PART D: The remarks of the Members Secretary of the Academic Council:

a. The minutes are in order.

b. The minutes may be placed before the Academic Council with remark, if any.

c. Important points of the minutes which need clear policy decision of the Academic Council to be recorded.

Date: 19/10/23

Signature of the Member Secretary,
Academic Council

Mr. V. C. Kumaresh