

Minutes of Meeting of BoS in Computer Science held on 12th February 2021 at 10am
Venue: Computer Science & Technology office Block, Goa University

Part A (I) Recommendations regarding courses of study in the subject or group of subjects at the undergraduate level
NA

(II) Recommendations regarding courses or group of subjects at postgraduate level:

The BoS was called to recommend necessary changes from the 3 year MCA degree programme to the 2 year MCA, in compliance with the AICTE recommendation dated 3/7/2020.

The AICTE recommendation dated 3/7/2020 is at **Appendix A**

A) The BoS in Computer Science recommended the compliance to the 2 year MCA degree program from AY 2021-22 with the following **eligibility criteria:**

To be eligible for admission to the 2 year program leading to the degree of "Master of Computer Applications" (MCA), a candidate shall have:

a. (i) Passed BCA/ Bachelor Degree in Computer Science Engineering or equivalent degree.
OR

(ii) Passed graduation in a non Computer Science discipline with Mathematics at 10+2 level or at Graduation level (with additional bridge courses).

b. Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination

c. The admission to MCA program will be strictly based on the merit list prepared via the **Aptitude Entrance Test** which will be notified from time to time.

B i) The **syllabus for the Aptitude Entrance Test** was accordingly revised taking into consideration the changes to the current eligibility criteria and the requirement of the basic computer science prerequisite knowledge for admission to the 2 year program. **This Aptitude Entrance Test would be in effect from AY 2022-23.**

ii) For the current AY 2021-22, candidates would be required to answer the Aptitude Test based on the existing syllabus.

iii) The BoS also recommended a **cut off of 30%** (percentage obtained by candidate to be rounded up to the next integer) at the Aptitude Entrance Test which will have negative marking. The test would have an equal weightage for the Aptitude and Computer Science concept components.

The **Aptitude Entrance Test** syllabus is at **Appendix B.**

C) In conformance to the clause of additional bridge courses for non Computer Science candidates, the BoS proposed that the content required for the bridge course "Fundamental Concepts in Computer Science" to be done via self study using identified content from existing MOOCs courses. The evaluation of the bridge course would consist of a written component and a skill based practical component which will be conducted by the programme. Candidates would be required to obtain a minimum of 40% marks in each individual component, to be considered as "passed". The assessment of the bridge course would be done in Sem1 and, although not credited, a candidate would require to have a pass in this course to obtain the MCA degree.

Syllabus for the **bridge course** "Fundamental Concepts in Computer Sc" with corresponding MOOC urls is at **Appendix C**

D i) The basic objective of the MCA degree program is to prepare learners with the fundamental knowledge and skills required for Application Development. Hence the Laboratory and Internship become an integral part of the Curriculum.

ii) The motivation for the 2 year MCA degree is that fundamental concepts in Computer Science are already covered at graduation level and courses in the 2 year MCA degree program would need to take this into consideration while designing the revised structure and curriculum.

iii) Keeping in view the objective and the motivation, the 2 year MCA curriculum is restructured so as to give learners a foundation in topics to be able to further venture into domains of (Data Science/Application Development/Ambient Computing/ Systems) via choice of electives

The structure with associated credits for the 2-year MCA degree program was discussed and finalized

The **structure**(course codes conform to OB 10.22) approved by the BoS is attached at **Appendix D**.

The **syllabus** of the proposed courses for Semester 1 is at **Appendix E**.

The list of proposed **Electives** is at **Appendix F**.

E) The **Proposed Ordinance** changes reflecting the revised MCA program are is submitted in three column format at **Appendix G**.

Part B

i. **Scheme of examination at undergraduate level:**
NA

ii. **Panel of examiners for different examinations at Undergraduate Level:**

NA

- iii. **Scheme of examinations at postgraduate level**
Unchanged
- iv. **Panel of examiners for different examinations at post-graduate Level:**
Unchanged

Part C

Recommendation regarding preparation and publication of selection of reading material in the subject or group of subjects and the names of the persons recommended for appointment to make the selection:

Nil

Part D

Recommendations regarding general academic requirements in the Departments of University or affiliated colleges

Nil

Part E

- i. **Recommendations of the text books for the course of study at undergraduate level-included in the syllabus**
NA
- ii. **Recommendations of the text books for the course of study at post graduate level**
Text and Reference Books are indicated below each subject of the syllabus.

Part F

Important points for consideration/approval of Academic council

- 1) Eligibility criteria changes
- 2) Entrance Test Syllabus
- 3) Bridge Course Syllabus
- 4) New structure and syllabi for MCA degree
- 5) Ordinance changes – revised ordinances
- 6) Ordinance changes – proposed ordinance

The declaration by the Chairman that the minutes were read by the Chairman at the meeting itself.

The minutes were circulated to the members and special invitees on 13th February 2021 via email

Date: 12th February 2021
Place: Goa University

**Signature of the Chairperson,
BOS Computer Science**

Part G The Remarks of the Dean of the Faculty

- i. The minutes are in order
- ii. The minutes may be placed before the Academic Council with remarks if any
- iii. May be recommended for approval of Academic council
- iv. Special remarks if any.