DAV University, Jalandhar

Department of Computer Science & Applications

Proceedings of Meeting

Ref. No: DAVU/CSA/BOS/2020-1 **Date: 09/09/2020**

The meeting of the 9th Board of Studies in the Department of Computer Science and Applications was held on 9th September, 2020 at 11.30 am (Office No: AC106, Academic Block 1), DAV University, Jalandhar. The BOS is conducted online (Through Zoom) due to COVID-19 pandemic situation. The Dr.(Prof). Gurpreet Singh Lehal, Punjabi University Patiala is joined us as external expert and following members were present in the meeting:

1. Prof. Gurpreet Singh Lehal (External Expert)
2. Dr. Hiteshwari Sabrol (Assistant Professor)
3. Dr. Sanjeev Kumar Sharma (Assistant Professor)
4. Mr. Arvind Mahindru (Assistant Professor)
5. Dr. Manik Sharma (Assistant Professor)

Following agenda was discussed and resolved:

Agenda Item-I

It was discussed and unanimously resolved to approve the proposed outline of scheme, syllabi and courses of reading for the following programs of Batch 2020-21 for Semester 1 and 2:

a) Master of Computer Applications (Duration: 2 years)
b) M.Sc. Computer Science (Duration: 2 years)
c) Bridge Course Post Graduate Diploma in Computer Applications (Duration: 1 year)

Agenda Item-II:

MCA Progamme Duration: 2 Years (4 Semesters)

The duration of MCA programme is reduced by one year i.e MCA is 2 years degree programme from the session 2020-21.

Agenda Item-III

Eligibility for MCA programme from the session 2020:

All those candidates who have passed bachelor's degree of minimum three years duration in BCA/B.Sc.(IT)/B.Sc.(CS) or equivalent/B.Voc. with Computer as a major subject and with mathematics at 10+2 level or at graduation level.

Or

Bachelor Degree in Computer Science & Engineering or equivalent.

Or

Any bachelor's degree of minimum three years duration with mathematics at 10+2 level or at graduation level **and** minimum One Year Diploma in Computer Application/Science/IT or equivalent from any recognized University/Institution.

Agenda Item-IV

Bridge Course/Post Graduate Diploma in Computer Applications (Duration: 1 year [2 Semesters])

Introducing PG Diploma in Computer Applications as a bridge course for candidates those have passed bachelor's degree of minimum three years duration in any stream with 50% marks. (For SC/ST candidate: 45%)

Eligibility: Graduation in any stream with 50% marks (For SC/ST candidate: 45%)

Signatures of members present:

Dr. Gurpreet Singh Lehal
Professor, Department of Computer Science,
Punjabi University, Patiala.

Dr. Sanjeev Kumar Sharma
Assistant Professor, Department of Computer Science and Applications,
DAV University, Jalandhar

Dr. Manik Sharma
Assistant Professor, Department of Computer Science and Applications,
DAV University, Jalandhar

Dr. Hiteshwari Sabrol
Assistant Professor, Department of Computer Science and Applications,
DAV University, Jalandhar

Mr. Arvind Mahindru
Assistant Professor, Department of Computer Science and Applications,
DAV University, Jalandhar

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Department of Computer Science & Applications

Minutes of the Meetings

Date: 9/9/2020

List of Suggestions from the Expert:

S.no	Suggestion	Justification from the department
1	If possible, change the syllabus of PGD501. It is 25 years old and almost obsolete. No one uses floppy disks now. There are many other obsolete topics in it. Take the syllabus from some latest book	Revised the Syllabus of PGD501 as per expert suggestion.
2	Can we replace PGD505 with some other subject?	As PGDCA students are from non computer background and they must be aware of at least the basics of the information system.
3	There is no mention of the Bridge Course. It is necessary for MCA	We are proposing PGDCA as a Bridge Course which will be opted by students who have done graduation in any stream with 50% marks (For SC ST 45% Marks). Moreover, if we proposed bridge courses in the same semester of MCA then the contact hours of students will increase by more than 32 hours per week. That will be difficult for students to attend per week.
4	Why is CSA518 named as "Advanced DBMS". What advance is taught? None of the book in reference is titled Advanced DBMS.	• The second part of section C and complete D are not covered prior the syllabus of DBMS in BCA and PGDCA • With your suggestion we included following book for advanced dbms *Jeffrey A Hoffer, Shamkant B Navathe Thomas M Connolly, Ramez Elmasri, Advanced Database Management System, Pearson Education, 2011*
5	In CSA519 What is "Records and Pointers. " in Preliminaries section? What is "Records" in Arrays section? What is there in String, Representation and	Removed these topics from the syllabus in revised syllabus.

	manipulation?	
6	You can remove following topics, as they quite advanced: Red-Black Trees, Splay Trees, B-trees, Binomial Heaps, Fibonacci heaps, Data Structures for Disjoint Sets Also Binomial Heaps, Fibonacci heaps being taught before Heaps	Removed these topics from the syllabus in revised syllabus.
7	No reference book related to File Processing in CSA519.	With your suggestion we included following book for File Processing *Alan L. Tharp. File Organization and Processing. Wiley. 1st Edition.1988. (Its latest edition is not available)*
8	In CSA521 Why are we teaching Algorithm Sorting and Searching and Searching and Sorting Techniques, Efficiency of Algorithms in Python??	Removed these topics from the syllabus in revised syllabus
9	Some of the books, we are recommending old editions. For example M. C. Brown, The Complete Reference Python, Osborne/McGraw-Hill, 2001. 4th edition 2018 is available. Why recommend older?	We referred the latest edition in revised syllabus.
10	The Course Objective of CSA526 is: This course provides an introduction to programming with utilities and shell scripting languages in a Linux environment. This course covers the essential aspects of shell programming including similarities and differences among the three most popular shells: the Bourne shell, the C shell. Students will learn features including, command line argument processing, debugging techniques. These objectives are Not matching with the syllabus of Linux and Shell Programming.	We are revised the course objective and Section C and Section D of the syllabus.
11	There is some overlapping in Syllabus of ADA and Data structures. Remove it.	Removed the overlapping in revised syllabus.