



List of New Course(s) Introduced


Department : Computer Science and Information Technology

Programme Name : B. Sc. (CS)

Academic Year : 2023-24

List of New Course(s) Introduced

Sr. No.	Course Code	Name of the Course
1	CIUAMJT1	Programming using C - Theory
2	CIUAMJL1	Programming using C - Lab
3	CIUAMNT1	Programming Fundamental - Theory
4	CIUAMNT1	Programming Fundamental - Lab
5	MDCC11	Information and Communication Technology
6	SECCI1	Office Automation
7	VACC11	Cyber Education and Awareness
8	CIUBMJT1	Data Structure & Algorithm - Theory
9	CIUBMJL1	Data Structure & Algorithm - Lab
10	CIUBMNT1	Introduction to Operating System - Theory
11	CIUBMNL1	Introduction to Operating System - Lab
12	MDCC12	Basics of Artificial Intelligence
13	SECCI2	Fundamental of Programming Using C
14	VACCI2	Digital Awareness
15	CIUCMJT1	Relational Database Management System
16	CIUCMJL1	Lab based on RDBMS
17	CIUCMJT2	Operating Systems
18	CIUCMNT1	Programming with Python
19	MDCCI3	Data Science
20	AECCI1	Machine Learning
21	SECCI3	DBMS
22	CIUDMJT1	Object Oriented Programming with Java
23	CIUDMJL1	Lab Based on JAVA
24	CIUDMJT2	Discrete Structures
25	CIUDMJT3	WEB Application Development
26	CIUDMNT1	Internet Technology
27	AECC12	Basics of Animation


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Minutes of Meetings (MoM) of Board of Studies (BoS)

Academic Year : 2023-24

School : Studies of Mathematical and Computational Science

Department : Computer Science and Information Technology

Date and Time :

Venue :

Meeting Minutes of Board of Studies

The Meeting of Board of studies(BoS) for CSIT department was conducted on 15/07/2024 at 11.30 A.M in hybrid mode. Following Members were invited in meeting.

1. Dr Ratnesh Prasad Srivastava – Chairman BoS CSIT
2. Prof Amit Kumar Saxena – Internal Member BoS CSIT
3. Prof B V R Reddy – Member (External expert BoS CSIT)
4. Mr. Kapil Sharma – Member (External Industry expert BoS CSIT)
5. Mr. Amitesh Kumar Jha- – Internal Member BoS CSIT
6. Dr Girish Kumar Singh – Special invitee
7. Dr Shrabanti Mandal – Special invitee
8. Dr Pushpa Lata Pujari – Special invitee
9. Dr Babita Majhi – Special invitee
10. Dr Santosh kumar Mahji – Special invitee
11. Dr Rajwant Singh Rao – Special invitee
12. Dr Sushma Jaiswal – Special invitee
13. Dr Akhilesh Shrivastava – Special invitee
14. Mr. Abhishek Patel – Special invitee
15. Mr. Prashant Vaishnav – Special invitee
16. Mr. Vivek Sarathe – Special invitee
17. Dr. Vikas Pandey – Special invitee
18. Dr. Vineet Awasthi – Special invitee
19. Mr. Shreemant Kumar Dash – Special invitee

The following agendas were discussed in the meeting:

Agenda 1. Discussion on design of BCA 03/04 year degree course under NEP 2020 to finalize the syllabus (to be implemented from the session 2024-25)..

Resolution: All the members and invitees reviewed the above note and Annexures presented in the meeting. Members agreed with the Course Code designed as per prescribed format of GGV and marks scheme for BCA upto Fourth semester under NEP effective from session 2024 -25 (**Annexure I**). The external member Mr. Kapil Sharma suggested to introduce advance programming language like .net & Java in further semester curriculum. He mentioned that the current structure for BCA is good and as per NEP and subjects like cyber awareness are as per current trends

Agenda 2. Discussion on designing of curriculum for B.Sc. (Computer Science). 03/04 year degree course under NEP 2020 to finalize the syllabus (to be implemented from the session 2024-25).

Resolution: All the members and invitees reviewed the above note and Annexure II presented in the meeting. Members agreed with the Course Code designed as per prescribed format of GGV and marks scheme for B.Sc.(Computer Science) upto Fourth semester under NEP from session 2024-25 (**Annexure II**). The external member Mr. Kapil Sharma suggested to introduce subjects like testing and cloud computing for students of B.Sc.(Computer Science) in further semesters as per current trends.

Agenda 3. . Discussion on designing of curriculum for M.Sc. (Computer Science) 02 year degree course (to be implemented from the session 2024-25).

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Resolution: All the members and invitees reviewed the above note and Annexure III presented in the meeting. Members agreed with the Course Code designed as per prescribed format of GGV and marks scheme for M.Sc.(Computer Science) effective from session 2024-25. The open elective was previously offered in Third semester which will be now offered in First Semester. Also in Third Semester in place of Open elective Advance Java Programming will be taught. Also MOOC will be available as alternative to this subject and student may opt for any MOOC course with same Credits, which is not offered in their curriculum. It was discussed and agreed in meeting that the for students admitted in session 2023-24 there will be no change in syllabus.

Agenda 4. . Discussion on designing of curriculum for MCA 02 year degree course..

Resolution: All the members and invitees reviewed the above note and Annexure IV presented in the meeting. Members agreed with the Course Code designed as per prescribed format of GGV and marks scheme for MCA Computer Science course (all semester) effective from 2021-22 with MOOC as an option in Elective -IV in Third Semester. Student may opt for any MOOC course with same Credits, which is not offered in their curriculum.

Agenda 5. Discussion on syllabus structure of BCA effective from session 2022-23 (all semester) with no change and content of 5th semester subjects (for already running courses Before NEP)

Resolution: All the members and invitees reviewed the above note and Annexure V presented in the meeting. Members agreed with the Course Code designed as per prescribed format of GGV and marks scheme for BCA Course (all semester) effective from session 2022-23 with no change. Member and invitees also reviewed and approved the course content for approved titles for BCA Vth semester running from session 2022-23 as presented.

Agenda 6. . Discussion on syllabus structure of B.Sc. Computer Science effective from session 2021-22 (all semester) with changes in VI Semester(for already running courses Before NEP)

Resolution: All the members and invitees reviewed the above note and Annexure VI presented in the meeting. Members agreed with the Course Code designed as per prescribed format of GGV and marks scheme for B.Sc. Computer Science Course (all semester) effective from session 2022-23. As per CBCS and LoCF directions, the structure for VI semester will be changed as per Annexure VI. Now only one Discipline Specific Elective will be offered in VI Semester and also Student has to give seminar of 2 Credits.

Copy to:

1. External Member of B.O.S, Professor. Prof. Bommareddy Venkata Ramana Reddy, Department of Computer Applications, MITS, Gwalior (M.P) & Director NIT Kurukshetra
2. Chairman of B.O.S, HOD, CSIT, Dr Ratnesh Prasad Srivastava
3. Internal member of B.O.S, Professor. A.K. Saxena, Department of CSIT, GGV.
4. External Industry expert Member of B.O.S, Shri Kapil Sharma, HCL technologies, Singapore
5. Internal member of B.O.S, Shri Amitesh Kumar Jha, Dept.of CSIT, GGV.
6. Dean School of Studies of Mathematical and Computational Sciences, Department of CSIT.
7. Finance Officer, GGV, Bilaspur for information and necessary action.
8. Assistant Registrar, Academic, GGV, Bilaspur for information and necessary action.
9. All Faculties of CSIT Depaartment.
10. Office of the CSIT.

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Annexure II

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

Syllabus for Bachelor of Science with Computer Science

VISION

The Department of Computer Science & Information Technology strives to be a leading world class science and technology department with excellence in creating, applying, and imparting theoretical, experimental, and applied knowledge through comprehensive educational programs and collaborative research, playing its role as a key node in national and global network to empower the industry and society with the wings of knowledge and power of innovation.

MISSION

6. To nurture the talent of students for research, innovation and excellence in the field of Computer Science & Information Technology.
7. To develop highly analytical and qualified computer professionals by giving hands-on training on cutting-edge technology.
8. To produce socially responsible computer professionals with professional ethics.
9. To focus on R&D environment in close partnership with industry and academia globally.
10. To produce up-to date, scientifically tempered, design oriented engineers and scientists capable of lifelong learning.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS) PEO

- PEO 5. To acquire in-depth knowledge of software techniques, which provide a strong foundation to pursue continuing education and nurture the talent for innovation and research.
- PEO 6. To nurture the talent in leadership qualities, at an appropriate level in order to address the issues in a responsive, ethical and innovative manner.
- PEO 7. To excel in careers by being a part of success and growth of an organization with whom they will be associated.
- PEO 8. To inculcate the ability for lifelong learning by active participation in self-study courses, seminars, research projects.

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Scheme and Syllabus

Semester 1									
Course	Course Code	Course Title	Credit	L	T	P	IA	ESE	Total
Major	CIUAMJT1	Programming using C -Theory	3	3	-	-	30	70	100
Major	CIUAMJL1	Programming using C - Lab	1	-	-	1	30	70	100
Total Credit			4	3	-	1	60	140	200
Courses offered by other Department									
Minor			4						
Multidisciplinary			3						
AEC			2						
SEC			3						
VAC-1			2						
VAC-2			2						
Total Credit			20						
Courses offered for other Department									
Minor	CIUAMNT1	Programming Fundamental -Theory	3	3	-	-	30	70	100
Minor	CIUAMNT1	Programming Fundamental -Lab	1	-	-	1	30	70	100
Multidisciplinary	MDCC11	Information and Communication Technology	3	3	-	-	30	70	100
SEC	SECC11	Office Automation	3	2	-	1	30	70	100
VAC	VACC11	Cyber Education and Awareness	2	2	-	-	30	70	100
Semester 2									
Course	Course Code	Course Title	Credit	L	T	P	IA	ESE	Total
Major	CIUBMJT1	Data Structure & Algorithm - Theory	3	3	-	-	30	70	100
Major	CIUBMJL1	Data Structure & Algorithm - Theory - Lab	1	-	-	1	30	70	100
Total Credit			4	3	-	1	60	140	200
Courses offered by other Department									
Minor			4						
Multidisciplinary			3						
AEC			2						
SEC			3						
VAC-1			2						
VAC-2			2						
Total Credit			20						
Courses offered for other Department									
Minor	CIUBMNT1	Introduction to operating System - Theory	3	3	-	-	30	70	100
Minor	CIUBMNL1	Introduction to operating System - Lab	1	-	-	1	30	70	100
Multidisciplinary	MDCC12	Basics of Artificial Intelligence	3	3	-	-	30	70	100
SEC	SECC12	Fundamental of Programming Using C	3	2	-	1	30	70	100
VAC	VACC12	Digital Awareness	2	2	-	-	30	70	100
Semester 3									
Course	Course Code	Course Title	Credit	L	T	P	IA	ESE	Total
Major	CIUCMJT1	Relational Database Management System	3	3	-	-	30	70	100
Major	CIUCMJL1	Lab based on RDBMS	1	-	-	1	30	70	100
Major	CIUCMJT2	Operating Systems	4	4	-	-	30	70	100
Courses offered by other Department									
Minor			4						
Multidisciplinary			3						
AEC			2						
SEC			3						
Total Credit			20						

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Courses offered for other Department									
Minor	CIUCMNT1	Programming with Python	4	3	-	1	30	70	100
Multidisciplinary	MDCCI3	Data Science	3	3	-	-	30	70	100
AEC	AECCI1	Machine Learning	2	2	-	1	30	70	100
SEC	SECCI3	DBMS	3	4	-	-	30	70	100
Semester 4									
Course	Course Code	Course Title	Credit	L	T	P	IA	ESE	Total
Major	CIUDMNT1	Object Oriented Programming with Java	3	3	-	-	30	70	100
Major	CIUDMNT1	Lab Based on JAVA	1	-	-	1	30	70	100
Major	CIUDMNT2	Discrete Structures	5	3	-	1	30	70	100
Major	CIUDMNT3	WEB Application Development	5	3	-	1	30	70	100
Courses offered by other Department									
Minor			4						
AEC			2						
Total Credit			20						
Courses offered for other Department									
Minor	CIUDMNT1	Internet Technology	4	3	-	1	30	70	100
AEC	AECCI2	Basics of Animation	3	2	-	1	30	70	100

Note: The structure, marking scheme, courses can be changed by university/statutory body's directions whenever required.

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