



Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009) Koni, Bilaspur – 495009 (C.G.)

Value Added Courses Offered

Department: Computer Science & Information Technology

Academic Year : 2023-2024

List of Value Added Courses

Sr. No.	Course Code	Name of the Course
01.	SECI1	Office Automation
02.	VACCI1	Cyber Education and Awarness
03	SECC2	Fundamental of Programming in C
04.	VACCI2	Digital Awareness
05.	AECCI1	Machine Learning
06.	SECCI3	DBMS
07.	AECCI2	Basic of Animation







Guru Ghasidas Vishwavidvalava (A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

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

Academic Year: 2023-24

: Studies of Mathematical and Computational Science **School**

: Computer Science and Information Technology **Department**

Date and Time:

Venue Я

Scheme and Syllabus

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.

- Dr Ratnesh Prasad Srivastava Chairman BoS CSIT
- 2. Prof Amit Kumar Saxena
- 3. Prof B V R Reddy
- Mr. Kapil Sharma
- 5. Mr. Amitesh Kumar Jha-
- 6. Dr Girlsh Kumar Singh
- Dr Shrabanti Mandal 8. Dr Pushpa Lata Pujari
- 9. Dr Babita Majhi
- 10. Dr Santosh kumar Mahji
- 11. Dr Rajwant Singh Rao
- 12. Dr Sushma Jaiswal
- 13. Dr Akhilesh Shrivas
- 14. Mr Abhishek Patel
- 15. Mr Prashant Vaishnav
- 16. Mr Vivek Sarathe
- 17. Dr Vikas Pandey
- 18. Dr Vineet Awasthi
- 19. Mr Shreemant Kumar Dash

- Internal Member BoS CSIT
- Member (External expert BoS CSIT)
- Member (External Industry expert BoS CSIT)
- Internal Member BoS CSIT
- Special invitee
- 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).

Value Added Courses Offered

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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.

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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:

- 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

- 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 cuttingedge 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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			Semester 1							
Course	Course Code	Course T	itle	Credit	L	T	P		IA E	ESE Total
Major	CIUAMJT1	Program	ming using C -Theory	3	3					70 100
Major	CIUAMJL1	Program	ming using C - Lab	1	*	-	_			70 100
			Total Credit	4	3			1 6	50 1	40 200
20			Courses offered by other Dep							
Minor Aultidisciplinary				3						
AEC				2						
SEC				3						
VAC-1				2						
VAC-2				2						
			Total Credit	20						
Minor	CIUAMNTI	Drogram	Courses offered for other Dep ming Fundamental -Theory	3 3	3	-	-	30	70	100
Minor	CIUAMNTI	Program	ming Fundamental - Lab	1	-	-	1	30		
Multidisciplinary	MDCC11	Information Technolog	on and Communication	3	3	-	-	30		
SEC	SECCII	Office A	utomation	3	2	-	1	30		
VAC	VACCII	Cyber Ed	ducation and Awareness	2	2	-	-	30	70	100
Course	Course Code	Course T	Semester 2	Credit	L	Т	P	IA	ES	SE Total
Major	CIUBMJT1		ucture & Algorithm - Theory	3	3	1 -	-	3(-	
Major	CIUBMJL1		ucture & Algorithm - Theory -	1	-	-	1	3(
		Lau	Total Credit	4	3	-	1	60) 14	0 200
Minor Multidisciplinary AEC SEC				4 3 2 3						
VAC-1 VAC-2				2						
VAC-2			Total Credit	20						
			Courses offered for other Depa	The state of the s						
	CIUBMNT1	Theory	tion to operating System -	3	3	-	-	30	70	100
Minor	DITTED AND IL	Introduc	tion to operating System - Lab	3	3	-	1	30		100
Minor	CIUBMNL1 MDCCI2	Basics o		2	2	-	- 1	30	70	100
	CIUBMNL1 MDCCI2 SECCI2	Basics c	ental of Programming Using C				-	30	70	100
Minor Multidisciplinary	MDCCI2	Fundame	ental of Programming Using C Awareness	3 :	2	-				
Minor Multidisciplinary SEC	MDCCI2 SECCI2	Fundame	ental of Programming Using C	3 :		-				
Minor Multidisciplinary SEC	MDCCI2 SECCI2	Fundame	ental of Programming Using C	3 :		-				
Minor Multidisciplinary SEC	y MDCCI2 SECCI2 VACCI2	Fundame	ental of Programming Using C Awareness	3 :	2	- T	P	IA	ESE	Total
Minor Multidisciplinary SEC VAC Course Major	V MDCCI2 SECCI2 VACCI2 Cours CIUC	Fundame Digital A	Semester 3 Course Title Relational Management System Course Title	3 2 2	2		P -	1A 30	ESE 70	Total
Minor Multidisciplinary SEC VAC Course Major Major	V MDCCI2 SECCI2 VACCI2 Cours CIUC	Fundame Digital A	Semester 3 Course Title Relational Database Management System Lab based on RDBMS	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	L 3		P - 1			
Minor Multidisciplinary SEC VAC Course Major	V MDCCI2 SECCI2 VACCI2 Cours CIUC	Fundame Digital A	Semester 3 Course Title Relational Management System Lab based on RDBMS Operating Systems	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 L		P - 1	30	70	100
Minor Multidisciplinary SEC VAC Course Major Major Major	V MDCCI2 SECCI2 VACCI2 Cours CIUC	Fundame Digital A	Semester 3 Course Title Relational Database Management System Lab based on RDBMS	Credit a 3 1 4 rtment	L 3		- 1	30	70	100
Minor Multidisciplinary SEC VAC Course Major Major Major Minor Multidisciplinary	Cours CIUC	Fundame Digital A	Semester 3 Course Title Relational Management System Lab based on RDBMS Operating Systems	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	L 3		- 1	30	70	100
Minor Multidisciplinary SEC VAC Course Major Major Major Minor Multidisciplina	Cours CIUC	Fundame Digital A	Semester 3 Course Title Relational Management System Lab based on RDBMS Operating Systems	Credit	L 3		- 1	30 30 30	70	100
Minor Multidisciplinary SEC VAC Course Major Major Major Minor Multidisciplinary	Cours CIUC	Fundame Digital A	Semester 3 Course Title Relational Management System Lab based on RDBMS Operating Systems	Credit 2 3 1 4 4 rtment 4 3 2 3	L 3		- 1	30 30 30	70	100

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Minor ultidisciplinary AEC SEC	CIUCMNT1 MDCCI3	Courses offered for other Depart							
AEC	MDCCI3	Programming with Python	4	3	-	1	30	70	100
		Data Science	3	3	-	-	30	70	100
SEC	AECCII	Machine Learning	2	2	-	1	30	70	100
OLC	SECC13	DBMS	3	4	-	-	30	70	100
		Semester 4					100	170	100
Course	Course Code	Course Title	Credit	L	T	P	IA	ESE	Total
Major	CIUDMJT1	Object Oriented Programming with Java	3	3	-	-	30	70	100
Major	CIUDMJL1	Lab Based on JAVA	1	-	-	1	30	70	100
Major	CIUDMJT2	Discrete Structures	5	3	-	1	30	70	100
Major	CIUDMJT3	WEB Application Development	5	3	-	1	30	70	100
	1	Courses offered by other Depart	ment				-	,,,	100
Minor			4						
AEC		T-1-1-C W	2						
		Total Credit Courses offered for other Depar	20						
Minor	CIUDMNT1	Internet Technology	4	3	-	1	20	70	100
AEC	AECC12	Basics of Animation	3	2	-	1	30	70	100
whenever requ	aired.	me, courses can be changed by un		_		*		A	2
whenever requ	aired.	Styling Geordal		2		*		A)
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whenever requ	uired.	String Geordal		2	*	X		A P)
	uired.			2	*			A)
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	uired.	String Geordal		2	*			A d)
	uired.	String Geordal			*			A)
	uired.	String Geordal			4			A d)
	uired.	String Geordal		2	*			A)
	uired.			2	*	*		A P)

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