Manav Rachna University
(Est. vide Haryana Act 26 0f 2014)
School of Engineering
Department of Computer Science & Engineering
Sector 43, Delhi Surajkund Road, Faridabad-121004 (Haryana)

F.No.: MRU/CST/2022/UG/ODD/0011

Date: August 24, 2022

Minutes of Meeting

9th BoS - Computer Science & Technology meeting was held online on Gmeet Platform at 11:00am on 26-07-2022.

MEMBERS PRESENT:

1.	Prof. Anjana Gosain, Professor, GGSIP University	Expert Member
2.	Ms Priyanka Yadav, Alumnus Member, Dunhumby	Special Invitee
3.	Dr. Manpreet Kaur, Professor and Head	Chairperson
4.	Dr. Hanu Bhardwaj, Associate Professor	Member
5.	Dr. Jyoti Pruthi, Professor	Member
6.	Dr. Hardeo Kr. Thakur, Professor	Member
7.	Dr Susmita Ray, Professor	Member
8.	Ms. Chandni Magoo, Associate Head	Special Invitee
9.	Dr. R. Girija, Associate Professor	Special Invitee
10.	Dr. Ranjna Jain, Associate Professor	Special Invitee

At the outset, the chairperson welcomed all the board members, for sparing the time from the busy schedule to attend the meeting. After that agenda items were taken and the board recommended as under:

Agenda Points discussed and decisions arrived at are mentioned below:

9.1 Confirmation of the MOM of the 8th BOS held on 15th Feb 2022

The chairperson outlined the previous BOS which was conducted on 15th Feb 2022 and informed that all decisions have been smoothly implemented as per the discussions.

9.2 Updated MRU Examination policy for the academic year 2022-23

Chairperson apprised the board members about the updated Exam policy of the university. The major highlights of the new policy were also shared with the board members. The major change is that the two internal examinations T1 and T2 have been replaced with only one mid semester examination which will be conducted after 8 weeks from commencement of the session of academic year 2022-23. The board was informed about the assessment methods adopted by the faculty for continuous assessments such as quizzes, presentations, assignments, report writing, viva, case study, online platform courses etc. It was also shared that a special committee has been formulated by the department for giving guidelines regarding continuous assessment and its effective implementation as per new exam policy. The committee has shared sample distribution of the marks for continuous assessment for 5 credit courses with faculty as shown below in Table I.

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Theory Continuous Assessment (Total=70 Marks)		
Phase	Report Submission Week	Maximum Marks
1	4th Week	15
2	8th Week	20
3	12th Week	20
4	15th Week	15

Table I: Sample Marks distribution for 5 credit courses for continuous assessment

Similar instructions have been given for lab evaluation and workshop courses too. Faculty has worked out assessment plans for the lower credit courses on the closest similar patterns.

Decision :- BOS approved suggested methods for continuous assessment but raised concern about high weightage being assigned for continuous assessment. The chairperson assured that the feedback shall be shared with higher authorities. Also, a special committee is formulated that shall monitor the implementation during the semester and shall be responsible for proposing changes/ improvements for the same at the end of the semester.

9.3 Approval of Course Assessment Plans for July-December 2022-23 session.

The Chairperson presented the Course Assessment plans for all the courses as proposed by the course coordinator faculty for the July-December session.

Decision :- BOS approved Course Assessment plans of all the courses for July-December 2022-23 session.

9.4 Approval of the list of all courses being offered in Project-Based Learning mode for the July-December 2022 session.

Courses which are proposed to be offered in **Project-Based Learning** mode are listed below,

S.No.	Course	Specialization	Course Code	Semester	Name of the Course
1	M.Tech	CE	CSH503B	I	Soft Computing and Fuzzy Logic
2	B.Tech	CSE	CSW102B	I	User Interface-I (HTML-5, CSS, JAVASCRIPT, JQUERY)
3	B.Tech	CSE	CSH212B	III	Supervised Learning
4	B.Tech	CSE	CSH323B	V	Advanced Neural Network
5	B.Tech	CSE	CSH409B	VII	Business Intelligence and Analytics with R
6	B.Tech	CSE	CSH 416B	VII	Computer Vision and Data Visualization
7	B.Tech	CSE	CSH415B	VII	Continuous Integration & Continuous Deployment
8	B.Tech	CSE	CSH321B	VII	Version Control and Automation

Decision :- It was highly recommended by Prof Anjana Gossain that no two subjects should be in PBL mode in the same semester. The chairperson assured that it is not being encouraged presently so as to avoid overburdening of the students. BOS approved all the courses being conducted in PBL mode.

9.5 Approval of list of external examiners for Project Based Learning (PBL) courses and practical examinations

List of external examiners for practical and also for PBL mode courses are proposed and shown in **Annexure - A .**

Decision :- All external examiners for practical examination and PBL courses have been approved.

9.6 Approval of Value added courses to be offered in July-December 2022 session.

The chairperson presented a proposed list of VAC courses for engineering students and further shared that these are valuable courses available on Infosys Springboard and Coding Ninja platforms. The

courses shall be offered in blended learning mode. The proposed list of the VAC courses are given below.

SNo	VAC Course Name	Semester	Code	L	T	P
1	VAC-Effective Academic Writing	III	VAC-CS204	0	0	2
2	VAC-Coding Ninja-Introduction to C++	III	VAC-CS205	0	0	2
3	VAC-Infosys-Python Programming	V	VAC-CS304	0	0	2
4	VAC-Effective Academic Writing	V	VAC-CS305	0	0	2

It was also shared that in the Jan-June 2022 session, an additional VAC on " Coding fundamentals " was run for the 1st year students to fill the gap in coding skills of the students and improve their confidence in coding as it is one of the language choices of companies for campus placement .

Decision:- The BOS appreciated the above initiative of the department and approved the proposed value added courses for July-Dec 2022 session.

9.7 Proposal of wew Program Structure for upcoming batch 2022-26

As per the feedback received from students, faculty members and senior authorities, it was felt that contact hours per week as per the current program structure are quite high for the students, due to which they remain highly engaged in lectures and labs. As a consequence, they are not able to focus much on innovations, participation in hackathons, venturing into startups etc. So, it was felt that the department needs to revise the program structure for the upcoming batch 2k22-2k26. At present, the department has proposed the new program structure for the first year only. After further brainstorming within the department , the rest of the structure shall be completed and presented before the board by the next BOS meeting.

Minor modifications in following courses in existing program structure were proposed for the new program structure for the 1st year:

1. **"Professional Communication I - CDS101B":** This course has been moved to III sem (in the place of I sem) and no of credits are updated to 1 (in the place of 0.5 credit) as UGC does not allow fractional credits.
2. **"Professional Communication II- CDS102B":** This course has been moved to IV sem (in the place of II sem) and no of credits are updated to 1 (in the place of 0.5 credit) as UGC does not allow fractional credits.
3. **"User Interface- CSW102B":** Number of credits are updated to 2 (in the place of 1.5) for the same reason as stated above
4. "**Engineering Graphics & Drawing - MEW102B":** Number of credits are updated to 2 (in the place of 1.5) for the same reason as stated above

5. **"Programming for Problem Solving Using Python-CSW102B-P":** Number of credits are updated to 2 (in the place of 1.5)

The program structure for the rest of the three years will be discussed in the 10th BOS meeting.

Decision:- BOS approved the new program structure (1st Year) for the batch 2K22-2K26 for B.Tech. Computer Science & Engineering and it is shown in **Annexure- B** .

9.8 Revision of syllabus of the course : Problem solving using C (Code: CSH-101B T & P, Semester-I)

After the feedback received from the students, the department placement team and course faculty, it was felt that the syllabus of the course **Problem solving using C** needs revision**.** The course is very important from the aspect that it formulates the programming base of the students. Initial screening / Coding rounds of the placement companies are also mostly about the coding skills. It was also felt that C++ which is an OOPs language, is also one of the programming languages offered by the companies during the placement exams. But the current program structure lacks any course related to C++. Therefore, it was proposed to add an introductory part to OOPs and C++ in the current course **Problem solving using C.** After covering structures, introduction to OOPs concepts will be given so as to facilitate students to understand the difference between procedural & oops oriented learning . **"Introduction to C++"** can be included in section D of the course.

Descision: Experts suggested that to offer C++ as a VAC course (if it's needed) rather than appending in the same course. The reason is that they must focus on one programming language only for a strong foundational base in 1st semester.

9.9 Approval of internship of Karan Aditya Ghoshal in KPMG, Canada, 7th-8th semester

Karan Aditya Ghoshal Roll No. 2K19CSUN01026, of B.Tech CSE 6C got an offer to join KPMG-Egyde Cyber Security Canada as **"Junior Cyber Security Threat Intelligence Analyst".** A special committee was formulated to discuss the case. The committee, after deliberations around his academic record and job offer, recommended him to join. As per the additional internship policy of the university, the credits to be earned for 7th and 8th semester are mapped to his job and a few online courses accordingly so that he can fulfill the requirements for getting his BTech degree.

Decision : BOS approved the same as they felt that the decision was fully justified as placement is the prime   motive   of   the   degree.

9.10 Approval of online courses offered by Infosys-springBoard, Coding Ninja and NPTEL for credit transfer

MOOC courses have been offered to the students for credit transfer for the upcoming semester on the following platforms;

1. Infosys-springBoard,
2. Coding Ninja
3. Swayam NPTEL

It was shared with the board members that Infosys-springBoard courses and Coding Ninja courses have

been offered for the first time but received good response from the students . It was also shared that a lot of students have chosen MOOC courses as it is mandatory for the students of 2k21-2k25 batch and subsequent batches to complete two MOOC courses for credit transfer as per the ordinance.

Decision : Ms. Priyanka inquired about whether other platforms like Udemy are also being recognized for credit transfer. The chairperson answered that the platforms like coursera , edx and Udemy and other platforms are offered during internship . Rest, students can do courses from any well recognized platform worldwide for earning life skill points. BOS approved all the online courses which are projected and mentioned in **Annexure- C.**

9.11 Approval for updation of nomenclature for BTech CSE with specialization basket Clouds, Devops and Automation(CDA) to Cloud , DevOps and Full Stack Development (CDF) for B.Tech Program basket.

Chairperson proposed an update for the nomenclature of **specialization Clouds, Devops and Automation(CDA) to Cloud , DevOps and Full Stack Development (CDF).** The outline of courses of BTech CDA was presented and shared that the majority of the courses belong to cloud computing, DevOps and Full Stack Development. Therefore, industry partner, Xebia itself proposed that its nomenclature should be updated to Cloud , DevOps and Full Stack Development (CDF). The proposed nomenclature is more inclined with the market needs also.

Semester	Subject	Course Code	Lecture (L)	Practical (P)
I	Digital Product Engineering and Design thinking	CSH105B	3	-
II	Agile Software Development	CSH106B	3	2
III	Modern Web and Mobile Frameworks	CSH211B	3	2
IV	Software Craftsmanship	CSH210B	3	2
V	Version Control & Test Automation	CSH321B	3	2
VI	Modern Architecture patterns	CSH322B	3	2
VII	Virtualisation & Cloud	CSH422B	3	2
VIII	Continuous Integration and Continuous Delivery	CSH415B	3	2

Decision : After many discussions related to the courses and w.r.t nomenclature , BOS approved the same.

9.12 Some of the new initiatives such as VAC on " Coding Fundamentals" for 1st year to all engineering students (with special focus on Hands on using HackerRank Platform), collaboration with AIW Works: Code Clique Program, collaboration with GoodGaming1:- for encouraging e-sports and Gaming club, Quickheal Cyber Security Virtual Lab , initiation of Coding Club ,integration of LinkedIn learning courses etc were shared with BOS members

Decision: All initiatives were appreciated by BOS.

9.13 Faculty and student achievements

Students' achievements in the previous year were tremendous. They participated in many events such as INNOSKILL, HACK-A-THON, IEEE events, research paper publications, industry initiatives etc. Many of our faculties published the research papers in SCI and scopus indexed journals and conferences, filed the patents and copyrights, delivered expert talks and acted as session chairs, keynote speakers in many workshops and conferences. Few faculty members are acting as editors/guest editors/ reviewers in many esteemed journals. The BOS experts appreciated the way the department is progressing and taking initiatives for the professional development of the students and upskilling of the faculty members.

The meeting ended with the thanks to BOS expert members for their valuable time and suggestions.

Prepared by: Approved by:
                                                                         BOS Chairperson,

Dr. R Girija,   Dr. Manpreet Kaur

Associate Professor, DoCST   Head, DoCST

Annexure - A

List of External Examiners

S.No	Name of Examiner	Contact No.	Official Address
1	Mr. Ashok Madaan	9873080814	Satyug Darshan Institute of Engineering and Technology, Vasundhra, Village Bhopani, Greater Faridabad.
2	Mr. Naved Alam	7827880588	Jamia Hamdard, New Delhi

3	Dr Neeraj Varshney	9897821984	Assistant Professor, GLA University, Mathura.
4	Mr. Agha Asim Husain	9953447748	ITS ENGINEERING COLLEGE, PLOT NO.46, KNOWLEDGE PARK-3, GREATER NOIDA
5	Dr. Dileep Kumar Yadav	9891359168	Professor, Department of CSE Galgotias University, Greater Noida.
6	Mr. Rohit Tanwar	9992257914	Associate Professor, UPES, Dehradun
7	Mr. Agha Asim Husain	9953447748	ITS ENGINEERING COLLEGE, PLOT NO.46, KNOWLEDGE PARK-3, GREATER NOIDA
8	Mr. MOHIT CHOWDHARY	9416294402	Department of CSE Galgotia College of engineering and technology, Knowledge Park II, Greater Noida.
9	Dr. Dileep Kumar Yadav	9891359168	Professor, Department of CSE Galgotias University, Greater Noida.
10	Dr.Durga Devi	6380 205 951	Assistant Professor, Department of CSE, Galgotias college of engineering, Greater Noida
11	Dr. Harish	9911911782	ymca,faridabad
12	Dr. Ritesh Srivastava	7065181997	Prof. CSE, GCET, Greater Noida
13	Mr. Naresh Kumar	9992257914	SGT , University

Annexure - B

Program Structure- CST

MANAV RACHNA UNIVERSITY									
DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY									
B.TECH-CSE (CSU01)									
3 Weeks Induction Programme (Mandatory)									
SEMESTER - 1									
SUBJECT CODES	SUBJECT NAME	*COURSE NATURE (Hard/Soft/ Workshop/ NTCC/Audit /Outcome)	COURSE TYPE (Core/Ele ctive)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
PHH101B-T	QUANTAM MECHANICS FOR ENGINEERS			3	1	0	0	4	
PHH101B- P	QUANTAM MECHANICS FOR ENGINEERS LAB	HARD	CORE	0	0	2	0	2	5
MAH101B-T	CALCULUS & LINEAR ALGEBRA			3	1	0	0	4	
MAH101B- P	CALCULUS & LINEAR ALGEBRA LAB	HARD	CORE	0	0	2	0	2	5
CSH101B-T	PROGRAMMING FOR PROBLEM SOLVING USING C			3	1	0	0	4	
CSH101B-P	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	HARD	CORE	0	0	2	0	2	5
EDS166	PROFESSIONAL ENGLISH-	SOFT	CORE	2	0	2	0	4	3

SUBJECT CODES	SUBJECT NAME	*COURSE NATURE (Hard/Soft/ Workshop/ NTCC/Audit /Outcome)	COURSE TYPE (Core/Ele ctive)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
CSW102B	USER INTERFACE-I (HTML5,CSS,JAVA SCRIPT,JQUERY)	WORKSHOP	CORE	0	0	3	0	3	2
CHH137	ENVIRONMENTAL SCIENCES	AUDIT	CORE	2	0	0	2	2	0
	TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)			13	3	11	3	27	20
			SEMESTER - 2						
SUBJECT CODES	SUBJECT NAME	*COURSE NATURE (Hard/Soft/ Workshop/ NTCC/Audit /Outcome)	COURSE TYPE (Core/Ele ctive)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
CHH144-T	CHEMISTRY-I			3	1	0	0	4	
CHH144-P	CHEMISTRY-I LAB	HARD	CORE	0	0	2	0	2	5
MAH104B-T	DISCRETE MATHS			3	1	0	0	4	
MAH104B- P	DISCRETE MATHS LAB	HARD	CORE	0	0	2	0	2	5
ECH103B-T	BASICS OF ELECTRONICS & ELECTRICAL ENGINEERING			3	1	0	0	4	
ECH103B-P	BASICS OF ELECTRONICS & ELECTRICAL ENGINEERING LAB	HARD	CORE	0	0	2	0	2	5
CSH103B-T	DATA STRUCTURES & ALGORITHMS			3	1	0	0	4	
CSH103B-P	DATA STRUCTURES & ALGORITHMS LAB	HARD	CORE	0	0	2	0	2	5
MEW102B	ENGINEERING GRAPHICS & DRAWING	WORKSHOP	CORE	0	0	3	0	3	**2**
CSW111B	CLOUD COMPUTING 101	WORKSHOP	CORE	0	0	2	0	2	1
	TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)			12	4	11	0	29	23

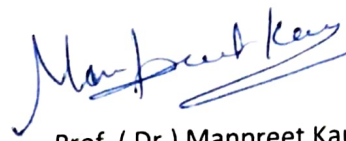|								

Annexure - C

CSE:VII semester

SNo	Course Type (Domain \ Allied Elective)	Infosys Springboard Course	Institute	Duration (Weeks)	Credits at MRU	Mapping Status Full/Partial
1	Domain Elective	Foundational Data Science	Infosys	12 weeks	5	Full
1	Elective Workshop	Citizen Data Science: 8 weeks	Infosys	8 Weeks	2	Full
2		Agile Software Development using Scrum	Infosys	8 Weeks	2	Full
3		API & Microservices	Infosys	8 Weeks	2	Full

CSE (DSML) :VII semester

SNo	Course Type (Domain \ Allied Elective)	Infosys Springboard Course	Institute	Duration (Weeks)	Credits at MRU	Mapping Status Full/Partial
1	Domain Elective	Foundational Data Science	Infosys	12 weeks	5	Full

CSE (DTE): VII semester

SNo	Course Type (Domain \ Allied Elective)	Infosys Springboard Course	Institute	Duration (Weeks)	Credits at MRU	Mapping Status Full/Partial
1	Domain Elective	Foundational Data Science	Infosys	12 weeks	5	Full
1		Citizen Data Science: 8 weeks	Infosys	8 Weeks	2	Full
2	Elective Workshop	Agile Software Development using Scrum	Infosys	8 Weeks	2	Full
3		API &Microservices	Infosys	8 Weeks	2	Full

CSE :V semester

SNo	Course Type (Domain \ Allied Elective)	Infosys Springboard Course	Institute	Duration	Duration/ Credits at MRU	Mapping Status Full/Partial
1	Domain Elective	Foundational Data Science	Infosys	12 weeks	5	Full
1		Citizen Data Science: 8 weeks	Infosys	8 Weeks	2	Full
2	Elective Workshop	Agile Software Development using Scrum	Infosys	8 Weeks	2	Full
3		API & Microservices	Infosys	8 Weeks	2	Full

CSE (CDA, CSTI, AIML): V semester

SNo	Course Type (Domain \ Allied Elective)	Infosys Springboard Course	Institute	Duration	Duration/ Credits at MRU	Mapping Status Full/Partial
1	Domain Elective	Foundational Data Science	Infosys	12 weeks	5	Full

F.No.: MRU/CST/2022/UG/ODD/0011

Prof. (Dr.) Manpreet Kaur

HoD, CST

CC:

1. All the CST faculty members

2. Dean Academics

3. Dean Engg.

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