COLLEGE OF COMPUTING SCIENCES AND INFORMATION TECHNOLOGY
TEERTHANKER MAHAVEER UNIVERSITY
DELHI ROAD, MORADABAD

Ref: TMU/CCSIT/CRC/19-20/Even/13   **Date: July 10th, 2020**

Subject: - Minutes of Meeting of Board of Studies (BOS)
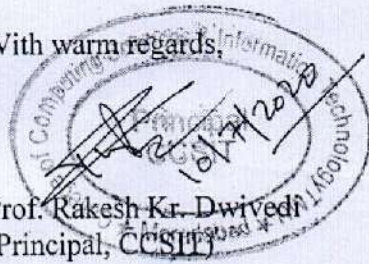
Sir/Madam,

We express our sincere gratitude for attending meeting of Board of Studies and giving your valuable contribution for discussing the Academic progress of the college.

We are sending the Minutes of Meeting of Board of Studies for your kind information.

Thanking You,

With warm regards,

Prof. Rakesh Kr. Dwivedi
(Principal, CCSIT)

Copy to:
1. PS to the Vice-Chancellor for kind information of the Hon'ble Vice-Chancellor
2. PS to the Pro Vice-Chancellor for kind information of the Hon'ble Pro Vice-Chancellor
3. Registrar for kind information
4. Dean-Academics for kind information
5. Controller of Examination
6. Joint-Registrar Academics for kind information
7. Joint-Registrar (R & D) for kind information
8. Joint-Registrar (Governance) for kind information
9. HOD and all faculty members of CCSIT through e-mail

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TEERTHANKER MAHAVEER UNIVERSITY MORADABAD

MINUTES OF MEETING OF THE

BOARD OF STUDIES (BOS)

Date: 10 July, 2020 (Friday)
Time: 11:00 A.M. – 12.00 PM
Venue: Video Conferencing by Zoom App

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TEERTHANKER MAHAVEER UNIVERSITY
MORADABAD

Meeting of Board of Studies (BOS) hold on 10 July, 2020

List of Agenda Items

Item No.	Particulars
1	Confirmation of the minutes of the last meeting
2	Approval of revised eligibility criteria, programme duration in years, and programme matrix & scheme of instruction of MCA Programme.
3	Approval of proposed syllabus for the Program commencing from session 2020-21:- B.Tech. - Specialization in Data Science (In collaboration with i-Nurture)
4	Approval of research plan presented by Hina Hashmi, Gaurav Kumar Rajpoot, Aishwarya Tomer, Akshay Kumar Siddhu, Tarang Jain, Vikas Yadav

The points discussed and covered in the meeting of BOS are as follows:

1: Confirmation of the minutes of the last meeting

The minutes of last meeting of BOS held on 07 March, 2020 were confirmed by Chairperson, BOS Dr. R. K. Dwivedi.

2: Approval of revised eligibility criteria, programme duration in years, and programme matrix & scheme of instruction of MCA Programme

Mr. Priyank Singhal, Program Coordinator, MCA brought in to the notice of experts and the members that AICTE has directed to run the MCA program as a two year degree program and also directed by the University through circular Ref: TMU/J.R.(G)/2019 – 20/Adm/068 on dated 26 June, 2020. In the light of these guidelines, the lateral entry scheme in MCA program needs to be close from next session i.e. 2020-21. He presented the proposed programme matrix & scheme of instruction of two years MCA program as per new guidelines of AICTE as w.e.f. 2020-21. Following are the suggestions of BOS on it:

Program Name	Master of Computer Applications (MCA)
Suggestion/corrections:	
1.	The BOS members suggested that the upper and lower threshold limit of students who will choose the particular specialization may be imposed.
2.	The BOS members suggested that the various courses may be grouped in three buckets that are only practical based, only theory based, and mix of theory & practical.
3.	The BOS members suggested that the specialization group D (D1 & D2) in III and IV semesters should be renamed as Data Science and Analytics instead of Big Data.

3: Proposed syllabus for the Program commencing from session 2020-21:- B.Tech. -Specialization in Data Science (In collaboration with i-Nurture)

Mr. Vinay Pant, Faculty of i-Nurture, presented the proposed syllabi of B.Tech. (CSE) with specialization in Data Science as w.e.f. session 2020-21 after incorporating the suggestion received in last BOS hold on 07/03/2020.

Program Name	Bachelor of Technology [B.Tech. (CSE)] with specialization in Data Science in collaboration with i-Nurture
Suggestions/Corrections:	
1.	BOS is approving the proposed syllabus in the present form.

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4: Approval of research plan presented by Hina Hashmi, Gaurav Kumar Rajpoot, Aishwarya Tomer, Akshay Kumar Siddhu, Tarang Jain, Vikas Yadav

Dr. Parag Agarwal, Deputy coordinator and member, CRC presented the status of research candidates for topic approval from BOS who has qualified TRAT in January, 2020 cycle and have submitted & presented their research plan to CRC. BOS members suggested to change the allocation of Supervisor/Joint Supervisor of Ms. Tarang Jain.

Detail of Research Candidates

S. No.	Candidate Name	Supervisor	Joint Supervisor	Title	Stream	Recommendations/Suggestions
1.	Hina Hashmi	Prof. (Dr.) Rakesh Kumar Dwivedi	Dr. Anil Kumar	Study of Convolutional Neural Network and its modified versions for Object Detection from Remote Sensing Data	Computer Applications	Recommended for registration
2.	Gaurav Kumar Rajpoot	Dr. Ashok Kumar	Dr. Shakti Kundu	An Analytic Study of Sentimental Analysis using Machine learning Approaches	Computer Science & Engineering	Recommended for registration
3.	Aishwarya Tomer	Dr. Shakti Kundu	Dr. Gulista Khan	A Secure Architectural Design and Performance Evaluation for Cloud of Things	Computer Applications	Recommended for registration
4.	Akshay Kumar Siddhu	Dr. Ashok Kumar	Dr. Shakti Kundu	Detection of COVID-19 from Medical Images and/ or Symptoms of Patient using Machine Learning	Computer Applications	Recommended for registration
5.	Vikas Yadav	Prof. (Dr.) Rakesh Kumar Dwivedi	Dr. Arpit Jain	Gaps in the Overall Identity and Access Management (IAM) Strategy in security Mechanism of Cloud Computing Services	Computer Applications	Recommended for registration
6.	Trang Jain	Dr. Shakti Kundu (Old) Dr. Ashok kumar (New)	Dr. Ashok kumar (Old) Dr. Arpit Jain (New)	Analytical study of Optimization Techniques based on Nature Inspired behavior using Machine Learning approaches	Computer Applications	Recommended for registration

Prof. Rakesh Kr. Dwivedi
(Principal, CCSIT)

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MINUTES OF THE MEETING OF THE BOARD OF STUDY HELD ON MONDAY, 08 NOVEMBER, 2021 AT 02:30 P.M. IN PRINCIPAL OFFICE/ONLINE MODE USING ZOOM PLATFORM

A meeting of Board of studies held on November 08th, 2021 at 2:30 P.M. in Principal office/online mode using zoom platform.

The Following members were present in the meeting:

- Prof. R. K. Dwivedi (Principal, CCSIT and Chairperson, Board of Study)
- Prof. Sarosh Umar (Professor, Aligarh Muslim University; External Expert, In online mode)
- Prof. M. N. Huda (Professor, Bharti Vidyapeeth's Institute of Computer Applications and Management, New Delhi; External Expert, In online mode)
- Dr. Manjula Jain (Associate Dean, TMU, In online mode)
- Dr. Aditya Sharma (Registrar, In online mode)
- Prof. R. C. Tripathi (Member)
- Prof. Ashendra Kumar Saxena (Member)
- Dr. Ajit Kumar (Member)
- Dr. Arpit Jain (Member)
- Dr. Sandeep Verma (Member)
- Dr. Parag Agarwal (Member)
- Dr. Shambhu Bhardwaj (Member)
- Mr. Rupal Gupta (Member)
- Dr. Pankaj Goswami (Member)
- Mr. Vikas Verma (Faculty, i-nurture)
- Mr. Abhilash Kumar {Program Coordinator, B. Sc. (H) CS}
- Mr. Vivek Kumar (Faculty, CCSIT)
- Mr. Harjider Singh (Program Coordinator, B.C.A.)
- Mr. Rajendra Prasad Pandey (Project Coordinator, CCSIT)
- Mrs. Ranjana Sharma (Program Coordinator, MCA)
- Mrs. Anu Sharma (Program Coordinator, M.Tech.)
- Dr. Gopal Kumar Gupta (Coordinator, IIT Bombay Spoken Tutorial)
- Mr. Jyoti Ranjan Labh {Program Coordinator, B. Sc.(Animation)}
- Mr. Mohan Vishal Gupta (Coordinator, Lab Review Committee)
- Mr. Amit Kumar Vishnoi (Faculty associated with CRC)

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The meeting started with the warm welcome by the chairperson, Prof. R. K. Dwivedi to all the members. Following are the discussions and decisions took place during the meeting:

Item No.	Particulars
Items for Ratification/Reporting	
1.1	**Confirmation of the minutes of the last meeting.** The minutes of previous meeting of BOS held on 10th July-2020 were circulated to all the members vide letter number TMU/CCSIT/CRC/19-20/Even/13 dated July 15, 2020. Since no comments were received, the Board of Study was requested to confirm the minutes of the last meeting. The motion was seconded by Prof. Sarosh Umar and Prof. M. N. Huda. **[Annexure 1]** **RESOLVED THAT THE MINUTES OF THE PREVIOUS MEETING AS ABOVE ARE CONFIRMED**
1.2	**Proposed curriculum and syllabi for the Program B.Sc. Cognitive Science commencing from session 2022-23 By Prof. R. K. Dwivedi** The proposed course matrix for the Program B.Sc. Cognitive Science was presented by Prof. R. K. Dwivedi, Principal, CCSIT. The external experts suggested implementing the national education policy guidelines in this proposed program. They suggested that the program in Cognitive Science can be run as three year B.Sc. and four year B.Tech. Program in cognitive Science but Prof. R. K. Dwivedi informed the members that the four year B.Tech. Program will not be suited for the students from biology stream as the eligibility criteria for B.Tech program is still 12th with mathematics stream. The eligibility criteria for admission in the B.Sc. program needs to be aligned with the AICTE/UGC guidelines. The external experts have authorized Prof. R. K. Dwivedi to take decision on this point after checking the AICTE/UGC guidelines. It is a suggestion from the external experts that overlapping of course contents should be taken in consideration while finalizing the course matrix for the program. As the program is interdisciplinary in nature so some bridging courses will be needed to fulfill the knowledge gap. The Board of Study was agreed to conduct common examinations for common papers from other programs running in the College/University. The program was recommended by Board of Study to start from session 2022-23 after incorporating all the

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		suggestions. The course matrix is under discussion with stake holders and has to be approved in next BOS.
	1.3	**Proposed curriculum and syllabi of B.C.A. program with specialization courses commencing from session 2022-23 by Mr. Harjinder Singh** Mr. Harjinder Singh, Acting Program Coordinator (BCA) presented the course matrix of the B.C.A. program with specialization courses. He has introduced four specialized courses in BCA final year. The first two year syllabus of BCA with specialization courses is same as the regular BCA. In the sixth semester, android will be taught with Kotlin in place of Java. The Board of Study has approved the proposed course matrix in the present form commencing from session 2022-23, but it was suggested by external experts that the UGC/AICTE guidelines should be followed in case of specialized courses. It is a suggestion from the external experts that overlapping of course contents should be taken in consideration while finalizing the course matrix for the program. It is also suggested by the external experts that the specialization should be mentioned in the BCA degree. **[Annexure 2]**
	1.4	**Status of CodeQuotient MoU by Prof. (Dr.) R.K.Dwivedi** Prof. (Dr.) R.K.Dwivedi informed that the MoU of CodeQuotient has been done.
	1.5	**SMART 2021 progress report by Dr Ashendra Kumar Saxena** Dr Ashendra Kumar Saxena informed the BOS that SMART 2021 will be held on 10-11 December-2021. Till date we have received more than 350 papers from various domains. Out of these, 90 research papers are accepted after peer review. He informed that we have received research papers from six countries and the presentations will be held in blended mode.
	1.6	**Status of Psychomotor Skills by Dr Ashendra Kumar Saxena** Dr Ashendra Kumar Saxena informed the BOS that Psychomotor Skills have been submitted to the Vice-Chancellor. It is implementing in all final year programs. Students will be benefitted in placements after acquiring the psychomotor skills.
	1.7	**S & T Review Status by Dr. Arpit Jain** Dr. Arpit Jain informed the BOS that the college has released the Volume 6, Issue 1 of the S &

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		T Review that is a peer refereed journal. Very soon by the end of December, College will release the Volume 6, Issue 2 of S & T review as we have received good number of papers.
	1.8	**Course Allocation and Faculty load by Mr. Namit Gupta** As Mr. Namit Gupta was absent, Dr Ashendra Kumar Saxena informed the BOS that all courses have been allocated to the faculties. The timetable has been established and is being followed.
	1.9	**Status of Gate class execution by Mr. Rupal Gupta** Mr. Rupal Gupta informed that the time table has been floated for the gate classes. Gate classes are under execution. More than 50 students are registered for Gate classes. He also informed the BOS that 8 students had qualified GATE exam in the last year.
	1.10	**IIT Bombay Spoken tutorial progress by Dr. Gopal Kr. Gupta** Dr. Gopal Kr. Gupta presented the status of registered students in the Spoken Tutorial Project by IIT Bombay in association with Teerthanker Mahaveer University, Moradabad. In the academic session 2020-2021 more than 2000 Students from FOE and CCSIT students get registered in the this project and get trained from 42 different software courses. Each student was appeared in exam for a max of 6 courses and out of these, almost 70% students have been qualified in the exam conducted by IIT B for the spoken tutorial project in online mode.
	1.11	**Short term value added course status by Mr. Rajendra Prasad Panday** Mr. Rajendra Prasad Panday informed that all short term course syllabus have been completed in online mode and project has been assigned to the students and SRS has been submitted. Short term course certificate will distribute in SMART 2021.
	1.12	**Status of NVIDIA lab establishment by Dr. Pankaj Goswami** Dr. Pankaj Goswami informed the BOS that with the help of NVIDIA MOU; the students, faculty members and beneficiaries of Teerthanker Mahaveer University will be trained for AI and deep learning change in every industry across the globe. The establishment of NVIDIA Centre of Excellence is under progress.

Action Taken Report (ATR) on the minutes of the last meeting

2.1	The two years MCA program with specializations has been started from session 2020-21.
2.2	The program B. Tech.-CSE-specialization in Data Science (In collaboration with TCS iON) has been started from session 2021-22.

Items for Discussion & Decision

| 3.1 | Proposed 2nd year onwards curriculum and syllabi for the Program B. Tech.-CSE-specialization in Data Science (In collaboration with TCS iON) commencing from session 2021-22 by Mr. Vivek Kumar.

Mr. Vivek Kumar, Program Coordinator, B. Tech.-CSE-specialization in Data Science (In collaboration with TCS iON) presented the proposed course matrix of this program for 2nd year onwards. He informed the BOS that the curriculum of B.Tech. first year is common for all the B.Tech. programs. Therefore he has proposed the course matrix of the B.Tech. program (Data Science) from second year onwards. In addition to this, a new course business English [Course Code: EDS201] in the course category of HSMC-8 of credit 3, is introduced in second semester by TCS iON. The Board of Study has approved the program code, EDSXXX for the proposed program. The external experts have suggested to remove program elective courses (PEC): Natural Language Processing (EAI 706), Reinforcement Learning (EAI 804) and Data Science using R Programming (EAI 709) as they are already in core courses. The external experts also suggested to add Big Data Analytics (EAI 603), Digital Image Processing & Computer Vision (ECS 716) and Block Chain Technology (ECS 814) in program elective courses (PEC). It is also a suggestion from the external experts that overlapping of course contents should be taken in consideration while finalizing the course matrix for the program. The Board of Study has approved the proposed course matrix in the present form commencing from session 2022-23, after incorporating all these suggestions.   [Annexure 3] |
|---|---|

Items for Approval

4.1	Approval of the curriculum and syllabi of the programs B.Sc. Cognitive Science, B.C.A. program with specialization courses commencing from session 2022-23 and of 2nd year onwards curriculum and syllabi for the Program B. Tech.-CSE-specialization in Data Science

	(In collaboration with TCS iON) commenced from session 2021-22
	The Board of Study has approved the course matrix of the programs; B.C.A. with specialization courses commencing from session 2022-23 and 2nd year onwards course matrix of B. Tech.-CSE-specialization in Data Science (In collaboration with TCS iON) commenced from session 2021-22. Since the course matrix of B.Sc. Cognitive Science is under discussion with stake holders, it will be put-up for approval in next BOS.
	BOS has approved to start the programs; B.C.A. with specialization courses and B.Sc. Cognitive Science from session 2022-23.
4.2	List of Examiners for external practical exams in all programs running in the college for the odd semester 2021-22.
	The list of examiners for external practical exams in all programs running in the college for the odd semester 2021-22 has been proposed by Mr. Mohan Vishal Gupta, Coordinator of lab Review Committee. He proposed name of 93 examiners for external practicals. The list was approved by the Board of Study for the odd semester 2021-22.

Prof. Rakesh Kr. Dwivedi
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9. External Experts through e-mail