



तीर्थकर महावीर विश्वविद्यालय
Teerthanker Mahaveer University
An Ultimate Destination for World Class Education

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

Ref: TMU/CCSIT/CRC/23-24/EVEN/03

Date: June 06, 2024

To,
All the Esteemed Members
Board of Study
College of Computing Sciences & Information Technology,
Teerthanker Mahaveer University
Moradabad

Subject: Minutes of meeting of the BOS.

Sir/Madam,

We express our sincere gratitude for attending the meeting of BOS held on June 6th, 2024 and giving your valuable contributions to the development of the college.

We are sending the minutes of the meeting of BOS with request to kindly send (if any) your comments with-in the period of seven days from the date of issue of this letter.

Once again, we express our thanks and look forward for your kind support in the future endeavors of the University.

Thanking you,
With kind regards,

Prof. Rakesh Kr. Dwivedi
(Principal, CCSIT)



Copy to:

1. OSD to the Vice-Chancellor for kind information of the Hon'ble Vice-Chancellor
2. Registrar for kind information
3. Dean-Academics for kind information
4. Controller of Examination
5. HOD and all faculty members of CCSIT through e-mail
6. External Experts through e-mail

**COLLEGE OF COMPUTING SCIENCES AND INFORMATION
TECHNOLOGY**

MINUTES OF THE MEETING OF BOARD OF STUDIES (BOS)

Date: 06th June, 2024 (Thursday)

Time: 10:30 A.M.

Venue: Principal office, CCSIT, TMU



**TEERTHANKER MAHAVEER UNIVERSITY
MORADABAD**

[Handwritten signature]
P
V

[Handwritten signature] *[Handwritten signature]*

MINUTES OF THE MEETING OF THE BOARD OF STUDY HELD ON THURSDAY, JUNE 6th, 2024 AT 10:30 A.M. IN PRINCIPAL OFFICE

A meeting of Board of studies was held on June 6th, 2024 at 10:30 A.M. in Principal office.

The Following members were present in the meeting:

- Prof. R. K. Dwivedi (Principal, CCSIT and Chairperson, Board of Study)
- Prof. M. N. Hoda (Professor, Bharti Vidyapeeth's Institute of Computer Applications and Management, New Delhi; External Expert)
- Prof. S. K. Gupta (Professor, Bundelkhand Institute of Engineering & Technology, Jhansi, U.P.)
- Prof. R. C. Tripathi (Member)
- Prof. Ashendra Kumar Saxena (Member)
- Prof. Pradeep Kumar (Member)
- Dr. Shambhu Bhardwaj (Member)
- Dr. Parag Agarwal (Member & Coordinator, BOS)
- Dr. Anil Kumar Singh (Member)
- Dr. Priyank Singhal (Member)
- Dr. Nuparam Chauhan (Member)
- Dr. Namit Gupta (Member)
- Dr. Ranjana Sharma (Member & Program Coordinator, B.C.A.)
- Dr. Neeraj Kumari (Member & Program Coordinator, B. Sc. (H) CS)
- Mr. Rupal Gupta (Program Coordinator, B.Tech.-CSE)
- Dr. Gulista Khan (Principal Nominee)
- Mr. Amit Kumar Vishnoi (Member, CRC)

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:



List of Agenda Items

Item No.	Particulars
Items for Ratification/Reporting	
1.1	<p>Confirmation of the minutes of the last meeting. The minutes of previous meeting of BOS held on 17th July, 2023 were circulated to all the members vide letter number TMU/CCSIT/CRC/22-23/ EVEN/07. Since no comments were received, the Board of Study was requested to confirm the minutes of the last meeting. The motion was seconded by BOS. The minutes of previous BOS meeting was also approved by BOF, Academic Council and Executive Council. RESOLVED THAT THE MINUTES OF THE PREVIOUS MEETING AS ABOVE ARE CONFIRMED. [Annexure 1]</p>
1.2	<p>Ratification of short term courses for session 2024-25 Mr. Rajendra Prasad Panday, Short Term Program Coordinator, CCSIT proposed the list of short term value added courses for the session 2024-25. BOS has recommended the proposed short term value added courses. BOS has suggested that the duration of the course must be mapped with the academic calendar of the University. [Annexure 2]</p>
1.3	<p>Ratification of MOOC courses in all programs for session 2024-25 Mr. Rupal Gupta, Program Coordinator, B.Tech. (CSE) and B.Tech. CSE-Specialization in Artificial Intelligence, Machine Learning & Deep Learning presented the proposed MOOC courses for the session 2024-25. The MOOC courses are being opted by students in three programs (i) B.Tech. CSE (in Collaboration with IBM) Application Development using Cloud and Analytics Platforms (ii) B.Tech. CSE-Specialization in Artificial Intelligence, Machine Learning & Deep Learning (iii) B.Tech. Computer Science & Engineering BOS has approved the proposed courses. [Annexure 3]</p>
1.4	<p>Ratification of the open elective courses in all programs for session 2024-25 Prof. Ashendra Kumar Saxena, Vice-Principal, CCSIT proposed the open elective courses by CCSIT for session 2024-25. BOS has approved the proposed list of open elective courses. [Annexure 4]</p>
1.5	<p>Ratification of the list of examiners for external practical exams in all programs running in the college for the session 2024-25 Mr. Mohan Vishal Gupta, Coordinator, Lab Review Committee, CCSIT proposed the list of examiners for external practical exams in all programs running in the college for the odd semester 2024-25. BOS has approved the proposed list of examiners. [Annexure 5]</p>
1.6	<p>Status of Syllabus Feedback from the Stakeholders Mr. Abhilash Kumar presented the detailed feedback analysis on the syllabi of different program's by their stakeholders. Special feedback forms in the form of questionnaires were designed to obtain feedback from the stake holders like faculty members, alumni and professional from industry and academic. Feedback is taken both offline and online mode. The feedback forms and detailed analysis is attached in annexure 6. [Annexure 6]</p>
1.7	<p>CRC Progress Report Dr. Parag Agarwal, Coordinator of College Research Committee informed the BOS that since last BOS, 19 new research scholars are registered in the Ph.D. program in the college and one</p>

	thesis of Ms. Jaishree Jain has been awarded for Ph.D.
1.8	Status of internal and external Lab Practical for the even semester 2023-24 Mr. Mohan Vishal Gupta, Coordinator, Lab Review Committee, CCSIT informed the BOS that the internal practical are successfully completed while end date of external practical is 11th June 2024.
1.9	Status of spoken tutorial IIT-Bombay Examination for the even semester 2023-24 Dr. Alok Gahlot, Coordinator, IIT Spoken Tutorial Program informed the BOS that 2303 student were registered, 1724 participated and 1583 students qualified the exam. [Annexure 7]
1.10	Status of external and internal examination for the even semester 2023-24 Mr. Jitendra Varshnay, Examination Incharge, CCSIT informed the BOS that the external theory examination are going on and it will be completed on 12 June, 2024.
1.11	Project Report Submission Status of B. Tech. (CSE) VIII Sem, B. Tech. (CSE) with AI+ML+DL VIII Sem, B.Tech. (CSE) - In association with IBM with specializations in Application Development using Cloud and Analytics Platforms VII Sem, MCA IV Sem, BCA VI Sem, B.Sc (H) Computer Science VI Sem Mr. Rajendra Prasad Panday, Project Coordinator, CCSIT informed the BOS that internal and external project exam of all UG programs were completed and the external project presentation of MCA and M.Tech.(CSE) are scheduled on 08 June, 2024.
1.12	Project Report Submission Status of B.Sc. (Animation) VI Sem Mr. Jyoti Ranjan Labh, informed the BOS that in B.sc animation final year, 7 project submitted by students. The team size was 4 to 5 students, the total number of students were 31. The project was evaluated in three phase to enhance the quality of projects.
1.13	M.Tech-CSE Dissertation status for the session 2023-24 Ms. Sukriti Jain; Program Coordinator, M. Tech. (CSE) informed the BOS that internal project exam of all UG programs were completed and the external project presentation of M.Tech.(CSE) is scheduled on 08 June, 2024.
1.14	Status of Exit test of MCA Programme Dr. Shambhu Bharadwaj, Head of the Department, CCSIT presented the MCA Exit test statistics. MCA Exit test was of University driven activity. BOS experts have not given any comment on this agenda, as it is beyond the scope of BOS. [Annexure 8]
1.15	TSS execution status Dr. Shambhu Bhardwaj informed the BOS about the statistics of students participated in TMU Student Societies. BOS experts suggested to run these societies with in college. There must be a technical society to fulfill educational requirements of computer science and computer applications students. [Annexure 9]
1.16	Status of implementation of LPBEI [Learning by project-based entrepreneurial initiatives] course (ECSLP): Dr. Vivek Kumar, LPBEI coordinator informed the BOS that Learning by Project Based Entrepreneurial Initiative (LPBEI) is a TMU initiative. Total 1465 students were registered for this course in this semester. BOS appreciated the initiative and suggested that the interdisciplinary faculties can be connected as project guide.
1.17	Status of student's certification in B.Tech. (CSE) Industry Honor Program (IHP)

	<p>Specialization in Data Science Under Industry Honor Program (IHP) in collaboration with TCS iON</p> <p>Dr. Vivek Kumar, Program coordinator informed the BOS that TMU in collaboration with TCSiON executes 9 courses in online mode. The Certification Status is given below: Total certifications: 99 for 2021-22 admitted batch Total certifications: 19 for 2022-23 admitted batch</p>
1.18	<p>Status of student's certification in B.Tech. (CSE) - In association with IBM with specializations in Application Development using Cloud and Analytics Platforms</p> <p>Mr. Amit Singh, Program Coordinator informed the BOS that TMU in collaboration with IBM executes 9 courses in online mode. The Certification Status is given below: Total 259 certification done in 23-24 session by IBM students in following courses Name of Certification 1:- Software foundation in C Programming. 2:- Java Fundamentals 3:- Cloud Application Development 4:- Advanced RDBMS 5:- Spring Framework 6:- Artificial Intelligence 7:- Basic of information Management 8:- Agile Development 9:- Big data Engineer</p>
1.19	<p>Status of implementation of Quality Circle for the session 2023-24</p> <p>Dr. Nupa Ram, Facilitator of CCSIT Quality Circle has been set-up in CCSIT. Initially there is only one group of Quality Circle headed by Prof. Ashok Kumar. The main objective of the Quality Circle is to improve the quality of the BCA Project.</p>
1.20	<p>Status of placement for the session 2023-24</p> <p>Mr. Umesh Kumar informed the BOS that out of 613 students in CCSIT, 184 students were placed in different companies. The detail report is attached in annexure 10. [Annexure 10]</p>
1.21	<p>Status of e-content submission-</p> <p>Prof. Pradeep Kumar informed the BOS that e-Content has been prepared by faculty members for all courses of even semester and disseminate to the students through whatsapp and email. e-content verification of CCSIT faculties was conducted by the committee constituted by Principal-CCSIT in three phases from Feb-2024 to April-2024 for the subjects/courses of even semesters. Purpose of this task was to ensure that faculties should have e-contents of respective subject/course according to perspective of both faculty and student. In the 1st phase, e-content of first two units of the respective subject(s) was verified. Suggestions were provided wherever required. In the 2nd phase, e-content of next two units was verified. Suggestions were provided wherever required. In the 3rd phase, e-content of whole syllabus with inclusion of suggestions provided during previous phases was verified. BOS expert suggested that e-content should be disseminated to students by their respective TMU ERP portal. They also suggested that e-content should not be a copyright material.</p>
1.22	<p>Status of implementation of Deep Reading Course (ECSDR201)</p> <p>Prof. Ashendra Kumar Saxena, Vice Principal, CCSIT informed the BOS that deep reading course has been implemented in all B.Tech. CSE programs. This course is designed to enhance</p>

	the reading capability of students in English language. The internal assessment of the same has been completed.
1.23	<p>Any other agenda with the permission of chair</p> <p>-NBA accreditation renewal</p> <p>Prof. RC Tripathi, NBA coordinator, CCSIT informed the BOS that NBA accreditation renewal committee has been made. Compliance report needs to be submitted to NBA. Hon'ble Vice Chancellor Sir has given his approval to submit fee renewal. Prof. M. N. Hoda suggested to go through the NBA report carefully and to do preparation accordingly.</p>
Action Taken Report (ATR) on the minutes of the last meeting	
2.1	The curriculum and syllabi for the 4 years Bachelor of Science (Hons./Hons. with Research)-Computer Science program has been implemented as per NEP commencing from session 2023-24
2.2	The curriculum and syllabi for the 4 years Bachelor of Computer Applications (Honours/Honours with Research) program has been implemented as per NEP commencing from session 2023-24
2.3	The curriculum and syllabi for the 4 years Bachelor of Computer Applications – Specialization in Mobile Application and Web Technology (Honors/Honors with Research) has been implemented as per NEP commencing from session 2023-24.
2.4	The curriculum and syllabi for the 4 years Bachelor of Computer Applications - Specialization in Cloud Technology and Information Security (Honors/Honors with Research) has been implemented as per NEP commencing from session 2023-24.
2.5	Modification in admission eligibility criteria of BCA program from session 2023-24 has been implemented.
2.6	The curriculum and syllabi of proposed program M.Tech. (CSE) with specializations has been implemented from session 2023-24.
2.7	The revision in the curriculum and syllabi of the program B.Tech. (CSE) in Collaboration with IBM has been implemented from session 2023-24.
2.8	The course 'English Communication II' in the program B.Tech. (Data Science) in collaboration with TCSiON has been removed from session 2023-24.
2.9	The approved MOOC/edX courses for session 2023-24 were opted and completed by the students.
3.0	The approved open elective courses for session 2023-24 were opted and completed by the students.
Items for Discussion & Consideration	
3.1	<p>Discussion and consideration of the restructuring of curriculum and syllabi for the 4 years Bachelor of Science (Hons./Hons. with Research)-Computer Science program as per NEP commencing from session 2024-25</p> <p>Dr. Neeraj Kumari presented the revised curriculum and syllabi for the 4 years Bachelor of Science- Computer Science (Hons./Hons. with Research) program as per NEP commencing from session 2024-25 and it has been approved by BOS.</p> <p>The following 7 specializations have been included in course matrix of B.Sc.-Computer Science (Hons./Hons. with Research):</p> <ul style="list-style-type: none"> (i) AI and Data Science (AD) (ii) Block chain Technology (BT) (iii) Data Engineering(DE)

	<p>(iv) Full Stack Development (FD)</p> <p>(v) Cloud Technology and IoT (CI)</p> <p>(vi) Information Security (IS)</p> <p>(vii) Cognitive Science (CS)</p> <p>[Annexure 11]</p>
3.2	<p>Discussion and consideration of the restructuring of curriculum and syllabi for the 4 years B.C.A. (Hons./Hons. with Research) program as per NEP commencing from session 2024-25</p> <p>Dr. Ranjana Sharama presented the revised curriculum and syllabi for the 4 years Bachelor of Computer Applications (Honours/Honours with Research) program as per NEP commencing from session 2024-25 and it has been approved by BOS. Prof. M.N. Hoda referred a book 'How to solve it by computer' by R. G. Dromey; published by Pearson publication for programming fundamental with ISBN: 8131705625.</p> <p>The following 10 specializations have been included in course matrix of BCA:</p> <p>(i) Artificial Intelligence (AI)</p> <p>(ii) Data Analytics (DA)</p> <p>(iii) Cyber security (CS)</p> <p>(iv) Full Stack (FS)</p> <p>(v) Web Applications (WA)</p> <p>(vi) Software Engineering & Quality Testing (ST)</p> <p>(vii) Cloud Computing and IOT (CI)</p> <p>(viii) Digital Marketing (DM)</p> <p>(ix) Cloud Technology and Information Security (CTIS)</p> <p>(x) Mobile Application and Web Technology (MAWT)</p> <p>[Annexure 12]</p>
3.3	<p>Discussion and consideration of syllabus of curriculum and syllabi for the 2 years M.Sc (Artificial Intelligence Engineering) and M.Sc (Data Engineering) programs in collaboration with Aivancity School for Technology, Business & Society, France commencing from session 2024-25</p> <p>Prof Ashendra Kumar Saxena presented the curriculum for the 2 years M.Sc (Artificial Intelligence Engineering) and M.Sc (Data Engineering) programs in collaboration with Aivancity School for Technology, Business & Society, France commencing from session 2024-25. It was informed by him that Program matrix will be finalized after mutual discussion of TMU and Aivancity School for Technology, Business & Society, France. BOS suggested that the French language should not be a mandatory course for students in the proposed program. BOS has approved the rest of the course matrix. [Annexure 13]</p>
3.4	<p>Discussion and consideration of syllabus modification in the course Java Programming (ECS407) in the program B. Tech. (CSE) and B. Tech. (CSE) with specialization in AI+ML+DL</p> <p>Mr. Rupal Gupta presented some minor modification (less than 20 %) in the syllabus in the course Java Programming (ECS407) in the program B. Tech. (CSE) and B. Tech. (CSE) with specialization in AI+ML+DL. BOS has approved the changes. [Annexure 14]</p>

3.5	<p>Discussion and consideration of the curriculum and syllabi for the 4 years B.Sc. Animation program as per NEP commencing from session 2024-25</p> <p>Mr. Jyoti Ranjan Labh presented the curriculum and syllabi for the 4 years Bachelor of Science-Animation (Honours/Honours with Research) program as per NEP commencing from session 2024-25 and it has been approved by BOS.</p> <p>The following 5 specializations have been included in course matrix of B.Sc. Animation program:</p> <ul style="list-style-type: none"> (i) Product Designing (ii) UI/UX Designing (iii) Graphics Designing (iv) VFX (v) Game Designing <p>[Annexure 15]</p>
Agenda Added with the permission of Chair:	
3.6	<p>Discontinuation of collaboration of i-Nurture with TMU</p> <p>Prof. Ashendra Kumar Saxena informed the BOS about the discontinuation of collaboration of i-Nurture with TMU.</p> <p>The following programs have been discontinued with the collaboration of i-Nurture with TMU</p> <ul style="list-style-type: none"> (i) Bachelor of Computer Applications – Specialization in Mobile Application and Web Technology (Honors/Honors with Research) [BCA-002], (ii) Bachelor of Computer Applications – Specialization in Cloud Technology and Information Security (Honors/Honors with Research) [BCA-004] (iii) Bachelor of Technology (CSE) with Specialization in Data Science (iv) Bachelor of Technology (CSE) with Specialization in Cloud Technology and Information Security <p>The specializations of BCA programs that were running in collaboration with i-Nurture (CTIS & MAWT) have been included in BCA program [BCA-001] run by CCSIT, TMU</p> <p>The program B.Tech. (CSE) with Specialization in Data Science & CTIS will now run under CCSIT, TMU affiliation.</p> <p>BOS has approved the informed changes.</p>
3.7	<p>Removal of deep reading, CCA and CEP courses from all programs from session 2024-25.</p> <p>All program chairs have suggested to remove the deep reading (DR), Co-Curricular Activity CCA and Community Engagement Program (CEP) courses from the syllabus of all programs (As applicable) for the students admitted in the session 2023-24 and also for the students admitted in the session 2024-25 (As applicable). These courses have been removed from the session 2024-25 as per new guidelines about the curriculum structure received from the University. [Annexure 16]</p>
3.8	<p>Discussion and consideration of syllabus modification in the course Engineering Physics (EAS112/EAS212) and Engineering Physics Lab (EAS162/EAS262) in all B.Tech. program</p> <p>Dr. Parag Agarwal presented some minor modification (20 %) in the syllabus of the course Engineering Physics (EAS112/EAS212) and major modification in the syllabus of the course Engineering Physics Lab (EAS162/EAS262) in all B.Tech. program. The modification in EAS112/EAS212 is proposed due to overlapping of one unit of Engineering Physics with the course Basic Electronics. The modification in Engineering Physics lab was proposed due to</p>

	inclusion of experiments to do mapping with the Engineering Physics. BOS has approved the changes. [Annexure 17]
3.9	<p>Merger of B.Tech. (CSE) with Specialization in Data Science second year students batch with B.Tech. (CSE) Industry Honor Program (IHP) Specialization in Data Science Under Industry Honor Program (IHP) in collaboration with TCS iON batch.</p> <p>Since the collaboration of i-Nurture with TMU is discontinued from session 2024-25, the students of batch 2023-24 of B.Tech. (CSE) with Specialization in Data Science is proposed to enrolled with B.Tech. (CSE) Specialization in Data Science in collaboration with TCS iON.</p>
Items for Approval	
4.1	<p>Approval of the restructuring of curriculum and syllabi for the 4 years B.Sc. –CS (Honors/Honors with Research) program as per NEP commencing from session 2024-25.</p> <p>The restructuring of curriculum and syllabi for the 4 years B.Sc. –CS (Honors/Honors with Research) program as per NEP commencing from session 2024-25 has been approved by BOS.</p>
4.2	<p>Approval and consideration of the restructuring of curriculum and syllabi for the 4 years B.C.A. (Honors/Honors with Research) program as per NEP commencing from session 2024-25.</p> <p>The restructuring of curriculum and syllabi for the 4 years B.C.A. (Honors/Honors with Research) program as per NEP commencing from session 2024-25 has been approved by BOS.</p>
4.3	<p>Approval of syllabus of curriculum and syllabi for the 2 years M.Sc (Artificial Intelligence Engineering) and M.Sc (Data Engineering) programs in collaboration with Aivancity School for Technology, Business & Society, France commencing from session 2024-25</p> <p>The curriculum and syllabi for the 2 years M.Sc (Artificial Intelligence Engineering) and M.Sc (Data Engineering) programs in collaboration with Aivancity School for Technology, Business & Society, France commencing from session 2024-25 has been approved by BOS.</p>
4.4	<p>Approval of syllabus modification in the course Java Programming (ECS407) in the program B.Tech. (CSE) and B.Tech. (CSE) with specialization in AI+ML+DL commencing from session 2024-25.</p> <p>The syllabus modification in the course Java Programming (ECS407) in the program B.Tech. (CSE) and B.Tech. (CSE) with specialization in AI+ML+DL commencing from session 2024-25 has been approved by BOS.</p>
4.5	<p>Approval of the curriculum and syllabi for the 4 years B.Sc. (Animation) program as per NEP commencing from session 2024-25</p> <p>The curriculum and syllabi for the 4 years B.Sc. (Animation) program as per NEP commencing from session 2024-25 has been approved by BOS.</p>
4.6	<p>Approval of short term courses for session 2024-25</p> <p>The short term courses for session 2024-25 has been approved by BOS.</p>
4.7	<p>Approval of MOOC courses in all programs for session 2024-25</p> <p>The MOOC courses have been approved by BOS in all programs for session 2024-25.</p>
4.8	<p>Approval of open elective courses in all programs for session 2024-25</p> <p>The open elective courses in all programs for session 2024-25 has been approved by BOS.</p>
4.9	<p>Approval of examiners for external practical exams in all programs running in the college for the odd semester 2024-25</p> <p>The list of examiners has been approved by BOS for external practical exams in all programs</p>

	running in the college for the odd semester 2024-25.
4.10	Approval of Removal of deep reading, Co-Curricular Activity (CCA) and Community Engagement Program (CEP) courses from all programs Removal of deep reading, CCA and CEP courses from all programs has been approved by BOS.
4.11	Approval of syllabus modification in the course Engineering Physics (EAS112/EAS212) and Engineering Physics Lab (EAS162/EAS262) in all B.Tech. program The syllabus modification in the course Engineering Physics (EAS112/EAS212) and Engineering Physics Lab (EAS162/EAS262) in all B.Tech. program has been approved by BOS.

The meeting ended with vote of thanks by Prof. R. K. Dwivedi to all the members.

Prof. Rakesh Kr. Dwivedi
(Principal, CCSIT)



Copy to:

1. OSD to the Vice-Chancellor for kind information of the Hon'ble Vice-Chancellor
2. Dean-Academics for kind information
3. Registrar for kind information
4. Controller of Examination
5. External Experts through e-mail
6. HOD and all faculty members of CCSIT through e-mail

[Handwritten signatures and initials at the bottom of the page]