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

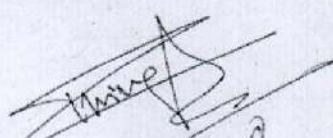## COLLEGE OF COMPUTING SCIENCES AND INFORMATION TECHNOLOGY
TEERTHANKER MAHAVEER UNIVERSITY
DELHI ROAD, MORADABAD
Minutes of Meeting
Board of Studies

Date:	09th June 2018
Time:	11:00 AM – 1:00 PM
Venue:	Principal Office, CCSIT
Agenda:	To discuss and elaborate:

To discuss and elaborate:
- Approval of syllabus of all programs running in CCSIT for session 2018-19 onwards
- Information regarding the progress of all research scholars (M.Tech. and Ph.D.)
- Syllabus approval of collaborative program of IBM for session 2018-19 onwards
- Syllabus approval of I-nurture, BCA(Cloud Technology and Information Security) and B.Tech.(Internet Of Things) for session 2018-19 onwards
- Evaluation scheme for new session i.e. 2018-19
- Discussion of research proposal of Rohaila Naaz for Ph.d in computer science and Engineering
- Approval of summer short-term industry oriented programs for incorporating university credit based framework

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

1. Ms. Rashmi Jain presented the detailed observations & recommendations in the various programs running in CCSIT. The suggestions given by her are attached with minutes of meeting.
2. Mrs. Anu Sharma, M.Tech. Course-coordinator presented the proposed syllabi of M.Tech. (CSE) program w.e.f. 2018-19.

Program Name	Master of Technology M.Tech. (CSE)
Suggestion/corrections:	
1.	Data mining & data warehousing tool, WEKA has to be added in MCS111.
2.	Revision of computer algorithm MCS101 is required.
3.	Artificial Intelligence lab should be replaced with MATLAB in 3rd semester. Also the specific module of MATLAB to be used must be specified.
4.	Revision of elective 2 is required in 1st semester.
5.	Seminar can have defined template of guidelines to be followed and the same can separately be uploaded on TMU website.
6.	Artificial Intelligence, Cloud technology, Big data & cyber security/information security in core subjects.

Suggestion/corrections by BOS

Program Name	Master of Technology M.Tech. (CSE)
Suggestion/corrections:	
1.	MCS101 renamed as Advanced data structure and Algorithm.
2.	MCS 106/104/110 required revision
3.	MCS203 should be shifted to 3rd semester
4.	MCS301 and MCS340 should be merged and add a corresponding lab.
5.	Credits of 3rd semester will be reviewed

3. Mr. Rupal Gupta, B.Tech. Course-coordinator presented the proposed syllabi of B.Tech. (CSE) program w.e.f. 2018-19.

Program Name	Bachelor of Technology B.Tech. (CSE)
Suggestion/corrections:	
1.	Courses of ECS301 &ECS 405 are suggested to be merged and to be discussed in BOS. Also to be discussed about the continuation of ECS301 in BOS.
2.	Placement team could be deployed for evaluation of EGP from 3rd semester onwards.
3.	ECS401 and ECS 501 could be merged and to be discussed in BOS.
4.	Mobile communication (ECS507) should be the core subject.
5.	ECS709 should be the core subject.
6.	In the course of ECS601, addition of LISP and other AI tools could be included.
7.	Revision of ECS853 should be merged with ECS899 and ECS804 could be removed.
8.	Big data and Analytics should be added as core subjects.

Suggestion/corrections by BOS

Program Name	Bachelor of Technology B.Tech. (CSE)
Suggestion/corrections:	
1.	EAS 301 will not be removed but redundancy should be removed with ECS301 and ECS405
2.	Remove the redundancy part of EEC 111 from EEC 302 and if necessary add some portion of ECS502 make ECS 502 as elective with name advanced computer architecture *ECS502 can be swapped with ECS405*
3.	Reduce the credit of EAS403 to 2 only
4.	Mobile communication (ECS507) should be the core subject and ECS506 should be elective
5.	ECS709 should be the core subject.
6.	Software engineering lab should be included
7.	Software testing should included as a elective subject
8.	EHM302 Should be shifted to 4th or 5th semester
9.	Remove the tutorial from ECS704(SPM) and its should be an elective
10.	ECS803(DIP) should be shifted to 7th semester and Elective 3 papers ECS711/712/706 should be the elcetives in 8th semester
11.	Revision of ECS853 should be merged with ECS899 and ECS804 could be removed.
12.	Big data and Analytics-ECS611 should be added as core subjects.
13.	Add R-programming content with ECS801

14.	ECS804 can be removed
15.	ECS453(CBNST lab) should have 1 credit only
16.	ECS 704 and software engineering should merged
17.	Logical reasoning and aptitude should be included in 5th and 6th semester
18.	EME503 can be removed or can be included as elective
19.	English communication and soft skills will be taught only from 1st to 4th semester
20.	There should be uniformity of credits in all semesters of English communication and Soft Skills

4. Dr. Danish Ather, B.Sc. (H) CS Course-coordinator presented the proposed syllabi of B.Sc. (H) CS program w.e.f. 2018-19.

Program Name	B. Sc. (Hons.) Computer Science
Suggestions/Corrections:	
1.	The course of C-programming should be shifted from 2nd semester to 1st semester.
2.	Addition of contents (SEO & Digital marketing) is needed in web designing.
3.	The course of Mathematical Reasoning should be shifted from 1st semester to some later semester.
4.	Operating System lab should be replaced with the Data Structure lab in 3rd semester.
5.	The courses of 5th and 6th semesters will be discussed in BOS.

Suggestions/Corrections by BOS

Program Name	B. Sc. (Hons.) Computer Science
Suggestions/Corrections:	
1.	Total credits of the programme should be between 140-160 for honours degree
2.	Re-assign the credits of all technical papers L-3 T-01 P-0 T=4
3.	Digital logic and basics of computer organization (3 units of Digital electronics and two units of computer organization)
4.	Discrete Mathematics should be replaced by Discrete Mathematics & Graph Theory.
5.	Project based learning should be provided for digital electronics
6.	Content of Introduction to web design should contain animation tools
7.	Industrial training should be shifted to 5th semester and seminar should be added in 3rd semester
8.	Elective should be arranged in buckets of similar category.
9.	Drop elective and make Mobile Computing as mandatory course in VI semester.
10.	Drop elective and make Big Data Analysis as mandatory course in VI semester.
11.	Drop elective and make Cloud Computing as mandatory course in VI semester.
12.	Syllabus of Cloud Computing, Big Data Analysis, Mobile computing should contain practical learning of respective tools.
13.	Operating System lab should be incorporated
14.	Domain wise set has to be created
15.	Programming based problem solving paper content need to be revised

5. Dr. Ambuj Kumar Agarwal, BCA Course-coordinator presented the proposed syllabi of BCA program w.e.f. 2018-19.

Program Name	Bachelor of Computer Application (BCA)
Suggestion/corrections:	
1.	One elective course should be added in 3rd semester.

2.	Retail management & Digital marketing should be included in 4th semester.
3.	Linux internal (BCA501) syllabus needs to be revised with fundamental & system admin.

Suggestion/corrections by BOS

Program Name	Bachelor of Computer Application (BCA)
Suggestion/corrections:	
1.	Remove the elective comment from 1st semester.
2.	Add the table of elective at the end of matrix.

6. Ms. Kanika Agarwal, B.Sc. (Animation) Course-coordinator presented the proposed syllabi of B.Sc. (Animation) program w.e.f. 2018-19.

Program Name	Bachelor of Science (Animation)
Suggestion/corrections:	
1.	Management paper should be added in first semester.
2.	Configuration management should be added.
3.	Animation projects need to be message oriented.
4.	Industrial visits need to be included.

Suggestion/corrections by BOS

Program Name	Bachelor of Science (Animation)
Suggestion/corrections:	
1.	BOS was agree with the suggestions given by CRC

7. Mr. Vinay Prakash, B.Tech. (IBM) Course-coordinator presented the proposed syllabi of B.Tech. (IBM) program w.e.f. 2018-19.

Program Name	B.Tech (CSE) with specialization in Cloud and mobile based applications and B.Tech (CSE) with specialization in Big data analytics from IBM
Suggestions/Corrections:	
1.	Course contents of IBD111 needs to be revised and students' input is required.
3.	The courses of 8th semester should be revised.
4.	The contents of Mathematics III (EAS301) have been suggested to be adjusted in Mathematics 1 & 2 (EAS116 & EAS211).
5.	Concept of IOT should be added.
6.	ECS853 (MIS) can be merged with project work.
7.	One new course of Big data analytics should be added.
8.	Uniform format should be followed for course matrix.

Suggestions/Corrections by BOS

Program Name	B.Tech (CSE) with specialization in Cloud and mobile based applications and B.Tech (CSE) with specialization in Big data analytics from IBM
Suggestions/Corrections:	
1.	EAS115 should have 3 credits
3.	Tutorial should be removed from IBD111.
4.	Uniformity should be there in the credits of English and soft skills papers
5.	IBD 611 should renamed as foundation course in Big data Analytics using Hadoop.

8. Mr. Pramod Vishwakarma, i-Nurture Course-coordinator presented the proposed syllabi of BCA (CTIS) and B.Tech. (IOT) programs w.e.f. 2018-19.

Program Name	Bachelor of Computer Applications (BCA) with specialization in Cloud Technology & Information Security from i-Nurture	Bachelor of Technology (B.Tech.) with specialization in Internet of Things from i-Nurture
Suggestions/Corrections:		
1.	Some courses of B.Tech. (IOT) can be included in BCA (CTIS).	The total credits of B.Tech. (IOT) should be same as other B.Tech. Programs.
2.	English language, communication skills and soft skills are important from the very beginning and should be included in first semester. Courses of ICI 101 & ICI106 should be merged in first semester.	From 3rd semester onwards, one optional paper should be included.
3.	At least one elective from forth semester and two elective from fifth & sixth semester.	ICS703 should be taught prior to ICS604.
4.	Repetition of contents in different courses should be removed.	Software Engineering (ICS801) should be placed either in 4th or 5th semester.
5.	ICI406 & ICI405 labs are suggested to be merged.	Case studies should be incorporated in 8th semester.
6.	There are too many courses in this program. The combination of 5 theory course and two lab courses has to be followed.	The course code ICS7010 must be corrected as ICA710.
7.	The course contents of ICI501 and ICI551 need to be justified.	
8.	The total credits of BCA (CTIS) should be same as other BCA Programs.	
9.	In the course of ICI451 lab details are required.	
10.	Many courses are common in BCA(MAWT) and BCA(CTIS). Justification is needed.	
11.	In 5th semester there are 10 courses. It should follow 5 theory and 2 labs combination semester wise.	
12.	Few courses to be added with respect to cloud technology implementation.	

Suggestions/Corrections by BOS

Program Name	Bachelor of Computer Applications (BCA) with specialization in Cloud Technology & Information Security from i-Nurture	Bachelor of Technology (B.Tech.) with specialization in Internet of Things from i-Nurture
Suggestions/Corrections:		
1.	All three courses are to be reframed and reorganized and should be connected to each other ICI102/106/201	Content of ICS202 is same as ICI 303 and degree of difficulty should be as per engineering
2.	Objective and learning outcome should be included for every course	ICS201 and ICS304 should be swapped
3.	ICI 102 should have engineering math content and course content be revised	In 5th semester add VLSI design as a course
4.	ICI202 should be shifted to 3rd semester	Content of ICS 505 should be revised
5.	ICI303 should be renamed as fundamental of information security and need revision	
6.	Semester 5th need revision .	

9. Mr. Shambhu Bhardwaj presented the proposed syllabi of Short-term programs w.e.f. 2018-19.

Program Name	Short Term Programs
Suggestion/corrections:	
1.	Six new short term programs have been introduced from session 2018-19.
2.	CRC has suggested to remove point no. 11 from the proposed document related to the consideration of short term programs credits to be awarded to the students.

Suggestion/corrections by BOS

Program Name	Short Term Programs
Suggestion/corrections:	
1.	BOS has advised that skill based value added programs offered by CCSIT,TMU (in-house) and also offered by IT industries cannot be the replacement of core /non-core papers of any program. However additional credits can be awarded to pass the program

10. Mr. Priyank Singhal, MCA Course-coordinator presented the proposed syllabi of MCA program w.e.f. 2018-19.

Program Name	Master of Computer Applications (MCA)
Suggestion/corrections:	
1.	MCA 109 has been suggested to be put in later semester.
2.	MCA 111 course outcome has been suggested for revision.
3.	MCA 110 course has been suggested to be dropped; instead a new course can be introduced.
4.	MCA 358 (Seminar I) and MCA 458 (Seminar II) can have defined template of guidelines to be followed and the same can separately be uploaded on TMU website.
5.	MCA 554 and MCA 602 should be indicated in syllabus specifically to follow the project template available on TMU website.

| 6. | It has been suggested to relook into marking various courses as core and non-core. |

Suggestion/corrections by BOS

Program Name	Master of Computer Applications (MCA)
Suggestion/corrections:	
1.	MCA 109 has been suggested to be put in later semester as a compulsory course.
2.	MCA 106 should be revised and renamed as Digital electronics and computer organization.
3.	Digital marketing should be included as a subject.
4.	MCA 524 and MCA 519 should be taught in separate semesters.
5.	MCA 522 should be made a compulsory paper.
6.	MCA 514 should be revised by including content of MCA 513 and MCA 515. Also the identity of MCA 513 and MCA 515 should be dropped
7.	Elective should be introduced from 3rd semester onwards
8.	MCA 213 credits should be reduced to 2 credits.
9.	English communication and soft skills will be taught only from 1st to 4th semester

11. Dr. Sandeep Verma presented the proposed syllabi of English Communication & Soft Skills w.e.f. 2018-19.

Program Name	English Communication & Soft Skills
Suggestion/corrections:	
1.	The proposed syllabi of English Communication & Soft Skills for all UG and PG programs have been accepted (except B.Tech.-CSE- Ist and IInd semesters) and to be put in BOS for further approval.

Suggestion/corrections by BOS

Program Name	English Communication & Soft Skills
Suggestion/corrections:	
1.	The proposed syllabi of English Communication & Soft Skills for all UG and PG programs have been accepted (except B.Tech.-CSE- Ist and IInd semesters).

12. Mr. Vikram Raina, Placement Officer suggested that there should be one class of communication, aptitude, reasoning and personality development. He has also suggested student's interaction with him every 15 days.

13. Dr. Parag Agarwal, Deputy Coordinator (CRC) presented the status report of Ph. D. scholars. One Ph.D. degree in Computer applications has been awarded to Mr. Amit Jain. The Oral defense committee of Ms. Shikha Gupta was conducted on 26 March, 2018 and the thesis has to be submitted in exam cell. Ms. Rohilla Naaz, a new research scholar has not yet submitted her research proposal.

14. Mrs. Anu Sharma, M.Tech. (CSE) Course Coordinator informed that 7 students have been awarded with their M.Tech. Degree.

15. The B.Tech. IBM fee has been revised. The supporting notification released by joint registrar gas been attached.

16. The following general points were recommended in the meeting:

a. ARC has recommended that first semester of each and every programme should be kept simple and easy.

b. It is strongly recommended that paid projects must be discouraged for internship.

c. It is suggested that combination of 5 theory and 2 practical should be followed semester wise in each programme.

d. Proper header and footer along with page number must be included in the syllabus document of each programme. Document header will include college name and footer will include programme name.

e. For each programme syllabus, proper L T P C must be included for each course.

f. Proper subject code mechanism must be followed.

g. Promotion for setting the ground for patenting with respect to good research projects and student projects.

h. Each programme must have core and non-core subject category.

i. Two industrial visits in a year should be arranged for the students of each programme. The report of each visit must be submitted by student coordinator and the programme coordinator.

j. Few application based courses should be incorporated.

k. Repetition of the contents in courses of each programme should be avoided.

l. The courses that have a dedicated lab should not have tutorial credit.

m. Project Phase 1 should have 4 credits and project phase phase2 should have 8 credits.

n. In case of iNurture in the meeting of BOS Academic Head must be present

Principal
CCSIT
Prof.(Dr.) Rakesh kumar Dwivedi
Principal CCSIT Moradabad

Dr. S.K.Gupta
External member-BOS

Dr. Parmanand Aste
External member-BOS

Encl.

1. Attendance Sheet
2. Recommendations by Ms. Rashmi jain
3. IBM revised fee structure
4. Feedback by course coordinators
5. Old and revised course matrix of all courses

CCSIT – College of Computing Sciences and Information Technology, TMU

Minutes of Meeting

Date / Time / Venue: 11th August, 2017 / 11:00 am – 12:40 pm / Principal's Office

Presided By: Prof (Dr) R. K. Dwivedi (Principal)

Agenda: BOS Meeting

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

1- There should be 4 credits in course matrix of B. Tech. programmes instead of 3.5. It is suggested that credits should be in integral form.

2- The load of tutorial should be counted full (1 for each tutorial) in all subjects, because the class is not divided into two groups.

3- B. Tech (CSE), the credit of course code EAS115- Environment Studies, will be of 2 credits, bifurcated as (L-1 T-1 P-0).

4- The credit of DGP (Discipline and General Proficiency), is approved for 1 credit in each semester of B. Tech (CSE) with the load bifurcation as (L-1 T-0 P-0) and is being evaluated internally as per the given evaluation scheme.

5- The syllabus of English Communication and Soft Skills- III (EHM363) will be run in III Sem admitted in the batch 2016-17 of B. Tech (CSE) and the syllabus of English Communication and Soft Skills- IV (EHM563) will be run in V Sem for batch 2016-17 of B. Tech (CSE).

6- The syllabus of English Communication Lab for IV Sem. and the syllabus of Soft Skills and Personality Development for VI sem. for B. Tech (CSE) program have been proposed and approved by the members of BOS. The syllabus of English Communication and Soft Skills for MCA programme from I to III semester will be the same as it is in B Tech I –III Sem and for the IV Sem the syllabus of Soft Skills and Personality Development has been proposed and approved. The provided syllabi of semester I-IV for B Tech and MCA are to be corrected and revised.

7- The other syllabi of four semesters of English Communication and Soft Skills for BCA, B.Sc.(H) CS, B.Sc. Animation have been proposed and approved by the members of BOS.

8- The credit of English Communication and Soft Skills for B. Tech (CSE), BCA, B.SC (H) CS, B.SC. Animation and MCA will be counted only 2, bifurcated as (L-1 T-0 P-2).

[BCA(MAWT) i-nurture point]

9- Operating system (IMW105) is to be moved to third semester along with its Lab (IMW152) as agreed upon the BOS meeting.

10- System configuration and maintenance (IMW206) will be moved in first semester.

11- System configuration and maintenance (IMW206) will have Lab and also redirected to iNurture team to propose the design.

12- RDBMS (IMW304) will be shifted in second semester along with it's Lab.

13- In subject noSQL databases (IMW401), 2 units will be merged together and Hadoop Architecture should be introduced in unit V.

14- There will not be any repetition of topics in syllabus.

15- Project will be in two parts in BCA VIth semester, Part I should start in semester V and Part II will be in semester VI. (Instead of keeping project work (IMW651)only in 6th sem)

16- It has been observed that the nomenclature is not justified i.e. (Mobile Application and Web Technology). Suggested to add the subjects related to mobile application and development.

17- Only android programming is introduced. There will be more mobile programming such as IOS and Windows.

Suggestions in B.Tech. (CTIS) i-nurture

18- In B. Tech CTIS, the credit system will be same as of B.Tech TMU, 1st year.

19- Tutorial should be changed from 2 to 1 in B. Tech also.

20- Credit must be according to contact hours.

21- Nomenclature should be technology specific i.e. server operating system- II(ICS702) should be changed.

22- In B.Tech 8th semester, there should be more elective subject.

23- As the B.Tech. (CTIS) suggest cloud technology and information security, however the paper related with cloud security/Information Security and cloud deployment is found missing.
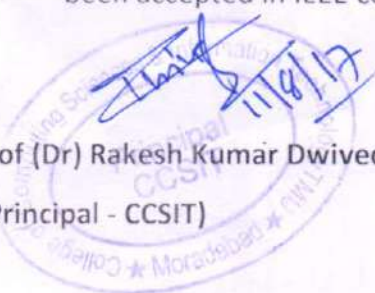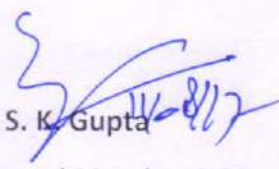
24- The name of the subject code ICS502 should be changed to Fundamentals of Storage and Recovery in place of Fundamentals of Storage in 5th sem

25- The name of the subject code ICS602 (Server Operating System – I) should be changed as per content of the syllabus.(This will be given by Sh. Sukhvir Singh, AH IT, iNurture)

26- The name of the subject code ICS702 should be changed to based on Technology.

27- There should not be overlapping in syllabus of ICS502, ICS504 and ICS506. Recovery contents are overlapping. It is suggested that overlapped content should be removed.

28- Add more elective subject in B.Tech semester VIII.

29- Project should be divided into two parts in B.Tech also:

I part of the project should start in Semester VII and second part of the project should start in semester VIII.

30- In IBM syllabus of both the specialization program subject code ECS502 is suggested to swap with ECS406.

31- In IBM syllabus, Project page 1 and 2 is suggested to distribute the credit into 4 and 8 credits respectively.

32- In IBM syllabus, elective subject need to be introduced in semester V, VI and VII with minimum of 3-5 subject. It also optimizes total credits in these semesters.

33- In IBM syllabus, it is suggested to modify credits in VII semester which is very high.

34- In MCA course the English syllabus will be executed for 1st year and 2nd year. The suggestions proposed in BOS meeting to be included in the syllabus. The credit for English in each semester will be 2 (L-1 T-0 P-2).

35- For replacement of subject with MOOC/NPTEL courses, it has been proposed that only replacement will be given for theory subjects.

36- The NPTEL course opted by the students must be approved by college CRC.

37- For NPTEL course, the credits will be awarded as follows: Four weeks course (2 credit), Eight weeks course (3 credit) and Twelve weeks course (5 credit). Students will be provided some assignments and/or tutorial with respect to these courses.

38- For replacement of subject with Short Term courses, it has been proposed that Evaluation will be done as per TMU examination norms or MCQ exam can also be conducted.
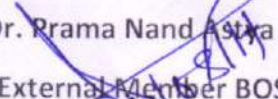
39- M.Tech. (2015-16) dissertation reports are OK.

40- For English syllabus (n-1) year syllabus applicability is suggested.

41- BOS is also suggesting to limit total credit under 150 for 3 years programme and total credit under 200 for 4 year programme

42- In B.Tech (iNurture) 5th semester ICS-502, ICS-504 and ICS-506 is having overlapping in syllabus content that should be removed.

43- In B.Tech(CSE) programme including collaborative one should have 12 credits for project which in turn divided in 4 credit for 7 semester wherein project proposal has to be finalized. Further in 8th semester implementation part has to be executed.

44- PhD candidate related information (2016-17) has been presented and approved.

45- Ph.D has been awarded to Ms. Nirmla Sharma. The publication in SCI journal has been appreciated.

46- Seven Ph.D thesis has been submitted for review.

47- Information regarded M.Tech (CSE) awardees of (2016-17) batch have been presented by Course Coordinator. It has been appreciated by BOS members that all student papers has been accepted in IEEE conference.

Prof (Dr) Rakesh Kumar Dwivedi   Dr. S. K. Gupta   Dr. Prama Nand Astya

(Principal - CCSIT)   External Member BOS   External Member BOS