

GURU NANAK INSTITUTE OF TECHNOLOGY

157/F, Nilgunj Road, Sodepur, Kolkata-114

Minutes of the Meeting of Board of Studies (BOS) to form “MCA Curriculum & Syllabus (Regulation 20) under Autonomy”

Date of Meeting : 06/11/2020

Time: 11:00 AM

Venue: The meeting was conducted online due to COVID-19 pandemic situation

The meeting of **Board of Studies (BOS)** of **Department of Computer Applications, Guru Nanak Institute of Technology** to design the **Curriculum & Syllabus of MCA (Regulation 20)** under **Autonomy** was held on 06th November, 2020. The meeting was conducted online due to COVID-19 pandemic situation.

The meeting was attended by the following members.

Sl	Name	Designation	Department
1	Dr. Kaushik Roy	Professor & Head	Dept. of Computer Science, West Bengal State University, Barasat
2	Prof. Devadatta Sinha	Professor (Former)	Dept. of Computer Science and Engineering, University of Calcutta
3	Mr. Chiranjib Dutta	Assistant Professor & Head	Department of Computer Applications, Guru Nanak Institute of Technology
4	Ms. Rupa Saha	Assistant Professor & TIC	Department of Computer Applications, Narula Institute of Technology
5	Ms. Debrupa Pal	Assistant Professor	Department of Computer Applications, Narula Institute of Technology
6	Ms. Subhasree Bhattacharjee	Assistant Professor	Department of Computer Applications, Narula Institute of Technology
7	Ms. Somalina Chowdhury	Assistant Professor	Department of Computer Applications, Guru Nanak Institute of Technology
8	Ms. Dola Saha	Assistant Professor	Department of Computer Applications, Guru Nanak Institute of Technology

In the meeting the following agenda were discussed:

AGENDA:

1. Review of existing curriculum and syllabus of MCA under autonomy (Regulation 16)
2. Formation of new curriculum and syllabus for MCA of 2 years duration (Regulation 20) under Autonomy

3. Miscellaneous

RESOLUTIONS

Agenda-1: Review of existing curriculum and syllabus of MCA under autonomy

(Regulation 16)

The existing syllabus was prepared for MCA course of 3 years duration (6 semesters). This syllabus is applicable for the batches till the session 2019-20.

Agenda-2: Formation of new curriculum and syllabus for MCA of 2 years duration

(Regulation 20) under Autonomy

1. AICTE has announced (**vide F. No. AICTE/AB/MCA/2020-21, Dated 03.07.2020**) change in the duration of MCA Program from 3 Years to 2 Years with effect from academic session 2020-21.
2. Due to the change in the duration of MCA Programme, from 3 Years to 2 Years w.e.f. 2020-21 regulation, the curriculum and syllabus for MCA is required to be revised accordingly.
3. It was also observed that, MAKAUT has not yet published any updated curriculum for MCA for 2 years duration or any guidelines to form the curriculum.
4. Under such situation, the BOS members present in the meeting decided to propose the curriculum of MCA.

The proposed curriculum is as follows –

MCA 1st Semester (R20_MCA)							
Sl. No.	Course Code	Course Name	Contact Hours/Week				Credits
			L	T	P	Total	
THEORY							
1	MCA 101	Computer Organization & Architecture	3	1	-	4	4
2	MCA 102	Software Engineering and TQM	3	1	-	4	4
3	MCA 103	Programming in C	3	1	-	4	4
4	MCA 104	Discrete Mathematics & Graph Theory	3	1	-	4	4
5	HU 101	Business English & Communication	3	1	-	4	4
PRACTICAL							
6	MCA 191	Computer Organization & Architecture Lab	-	-	4	4	3
7	MCA 193	Basics of Programming and Software Engineering Lab	-	-	4	4	3
8	HU 191	Business English & Communication Lab	-	-	4	4	3
		Total				32	29
MCA 2nd Semester (R20_MCA)							
SN	Course Code	Course Name	Contact Hours/Week				Credits
			L	T	P	Total	
THEORY							
1	MCA 201	Data Structure & Algorithms	3	1	-	4	4
2	MCA 202	Operating Systems	3	1	-	4	4
3	MCA 203	Data Communication & Computer Networks	3	1	-	4	4
4	MCA 204	Statistical & Numerical Methods	3	1	-	4	4
5	MBA 201	Management & Accountancy	3	1	-	4	4
PRACTICAL							
6	MCA 291	Data Structure & Algorithm (using C++) Lab	-	-	4	4	3
7	MCA 292	Operating System Lab	-	-	4	4	3
8	MCA 294	Statistical & Numerical Methods Lab	-	-	4	4	3
		Total				32	29

MCA 3rd Semester (R20_MCA)

SN	Course Code	Course Name	Contact Hours/Week				Credits
			L	T	P	Total	
THEORY							
1	MCA 301	Artificial Intelligence	3	1	-	4	4
2	MCA 302	Database Management System	3	1	-	4	4
3	MCA 303	Object Oriented Programming System	3	1	-	4	4
4	MCA E304 A/B/C	Elective – 1	3	1	-	4	4
5	HU 301	Values & Ethics	3	1	-	4	4
PRACTICAL							
6	MCA 391	UNIX & Shell Programming Lab	-	-	4	4	3
7	MCA 392	Database Management System Lab	-	-	4	4	3
8	MCA 393	OOPS (using Java) Lab	-	-	4	4	3
9	MCA 395	Minor Project	-	-	8	8	6
		Total				40	35

MCA 4th Semester (R20_MCA)

SN	Course Code	Course Name	Contact Hours/Week				Credits
			L	T	P	Total	
THEORY							
1	MCA E401 A/B/C	Elective – 2	3	1	-	4	4
2	MCAE402 A/B/C	Elective – 3	3	1	-	4	4
PRACTICAL							
1	MCA 491	Major Project	-	-	24	24	24
2	MCA 492	Grand Viva	-	-	-	-	4
		Total				32	36

Elective Papers		
Elective Number	Paper Code	Paper Name
1	MCAE 304A	Python Programming
	MCAE 304B	Compiler Design
	MCAE 304C	Mobile Computing
2	MCAE 401A	Network Security & Cryptography
	MCAE 401B	Machine Learning
	MCAE 401C	Image Processing
3	MCAE 402A	Internet of Things
	MCAE 402B	E-commerce & Cyber-Law
	MCAE 402C	Big Data

Semester	Credits
Semester-I	29
Semester-II	29
Semester-III	35
Semester-IV	36
Total	129

Agenda-3: Miscellaneous

The credit points of individual papers, total credit points for the semesters, number of lectures and tutorials are subject to change to comply with the guidelines of AICTE and MAKAUT.

It was suggested by the BOS members that students doing final semester projects from outside may be allowed to study Elective-2 and Elective-3 from online academic platforms (e.g. NPTEL/SWAYAM etc.). This is subject to approval from Academic Council of the college.

The meeting was ended with vote of thanks by the HOD, Dept. of CA, GNIT.

Mr Chiranjib Dutta

Assistant Professor & HOD

Department of Computer Applications

Guru Nanak Institute of Technology