Report on CBCS syllabus to be effective from 2020-21

Sl No	Name of Program	Prepared by	Applicable to	Upload Status
1	BBA (Accountancy, Taxation & Auditing)	BoS MAKAUT	Affiliated Colleges	Uploaded
2	B. Sc. In IT	BoS MAKAUT	Affiliated Colleges	Uploaded
3	B.SC. (Physiotherapy Management & Healthcare Science)	BoS MAKAUT	Affiliated Colleges	Uploaded
4	BBA (Heritage Tourism)	BoS MAKAUT	Affiliated Colleges	Structure & 1st year
	NSHM			
5	B.Sc in Fashion Design & Management	BoS NSHM	Affiliated Colleges	Uploaded
6	B.Sc in Behavioral Sc & Applied Psychology	BoS NSHM	Affiliated Colleges	Uploaded
7	B.Sc in Gaming & Mobile Application Development	BoS NSHM	Affiliated Colleges	Uploaded
8	B.Sc in Yoga	BoS NSHM	Affiliated Colleges	Uploaded
9	B.Sc Medical Lab Technology	BoS NSHM	Affiliated Colleges	Uploaded
10	B.Sc In Multimedia Animation & Graphics	BoS NSHM	Affiliated Colleges	Uploaded
11	B.Sc Film & Television	BoS NSHM	Affiliated Colleges	Uploaded
12	B.Sc Cyber Security	BoS NSHM	Affiliated Colleges	Uploaded
13	B.Sc Culinary Science	BoS NSHM	Affiliated Colleges	Uploaded
14	BBA (Sports Management)	BoS NSHM	Affiliated Colleges	Uploaded
15	BBA (Global Business)	BoS NSHM	Affiliated Colleges	Uploaded
	Management			
16	BBA	BoS MAKAUT	In House & Colleges	Structure & 1st Sem
17	BBA (Business Analytics)	BoS MAKAUT	In House & Colleges	Structure & 1st Sem
18	BBA (Travel and Tourism)	BoS MAKAUT	In House & Colleges	Structure & 1st Sem
19	BBA (Digital Marketing)	BoS MAKAUT	In House	Structure & 1st Sem
20	BBA (HOSPITAL MANAGEMENT)	BoS MAKAUT	In House & Colleges	Structure & 1st Sem
21	BBA (Banking & Financial Services)	BoS MAKAUT	BSE Institute Ltd	Received
	Information Technology			
22	B.Sc In IT (Artificial Intelligence)	BoS MAKAUT	In House	YES
23	B.SC In IT (Big Data Analytics)	BoS MAKAUT	In House	YES
24	B.Sc. in IT (Data Science)	BoS MAKAUT	In House	YES
25	B.Sc. in IT (Cyber Security)	BoS MAKAUT	In House	YES
26	BCA	BoS MAKAUT	In House & Colleges	YES
	Bio- technology			
27	B.Sc. in Biotechnology	BoS MAKAUT	In House	Received
	Bio- Informatics			
28	B.Sc. In Bioinformatics	BoS MAKAUT	In House	Draft syllabus UPLOAD Not in format
	Material Science and Technology			
29	B.Sc in Materials Science	BoS MAKAUT	In House	Received
30	M.Sc. in Applied Statistics	BoS MAKAUT	In House	NOT DONE
31	M.Sc. in Applied Chemistry	BoS MAKAUT	In House	Draft received
	Applied Science			
32	B.Sc with Mathematics and Computer Applications	BoS MAKAUT	In House	Structure & 1st year
	Forensic Science			
33	B.Sc In Forensic Science	BoS MAKAUT	In House	Received
	Food Science & Technology			
34	B.Sc In Food Science & Technology	BoS MAKAUT	In House	Draft Received Not n format
	Media Science			
35	B. Sc in Robotics & 3D Printing	BoS MAKAUT	In House	Structure Received
36	B.Sc. In Animation, Film Making, Gb.Sc. In Animation, Film Making, Graphics & VFX	BoS MAKAUT	In House	Received
37	B.Sc in Media Science	BoS MAKAUT	In House	Received
38	M.Sc in Media Science	BoS MAKAUT	In House	Received
	Forensic Science			
39	M.Sc In Forensic Science	BoS MAKAUT	In House	Received

Report by Head, Department of Information Technology Dr. Somdatta Chakravortty

The Department of Information Technology has already initiated B. Sc in IT programs with specialisation in Artificial Intelligence, Data Science, Cyber-security and Big Data Analytics from the 2019-2020 academic session. The Department has also initiated BCA program fom the same session.

It has been noted that there is demand for initiating post graduate courses (M.Sc. and MCA) on the above mentioned subjects on behalf of in-house University students as well as student from outside. This is to request to kindly allow the Department to initiate the following programs:

- M.Sc. in Information Technology (sp. in Artificial Intelligence)
- M.Sc. in Information Technology (sp. in Data Science)
- M.Sc. in Information Technology (sp. in Cyber-security)
- M.Sc. in Information Technology (sp. in Big Data Analytics)
- M.Sc. in Information Technology (sp. in IoT)
- M.Sc. in Information Technology (sp. in Cryptography & Network Security)
- M.Sc. in Information Technology (sp. in Block chain Technology)
- MCA

Sd/-

Dr. Somdatta Chakravortty,
Head, Dept. of IT, MAKAUT, WB.

02

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(Formerly WEST BENGAL UNIVERSITY OF TECHNOLOGY)
Main Campus: NH 12, Haringhata, Post Office - Simhat, Police Station – Haringhata, Pin - 741249
City Campus: BF-142, Sector -I, Salt Lake, Kolkata -700 064

Minutes of the Emergent Academic Council Meeting held on 28th September, 2020 through Zoom App

Members who attended the meeting held through Zoom App in the pandemic condition arising out of the COVID-19 amidst lockdown:

1.	Prof. (Dr.) Saikat Maitra	Chairman	Vice-Chancellor, MAKAUT, WB
2.	Dr. Partha Pratim Lahiri	Secretary	Registrar, MAKAUT, WB
3.	Prof. Bikash K. Chakraborty	Member	Emeritus Professor, Saha Institute of Nuclear Physics
4.	Prof. Bijan Sarkar	Member	Professor, Dept. of Production Engineering, Jadavpur University.
5.	Dr. Dipankar Sarkar	Member	Principal, Dream Institute of Technology
6.	Dr. Agnibha Dasgupta	Member	Teacher, Netaji Subhas Engineering College
7.	Prof. Debashis De	Member	Director, School of Computational Sciences, MAKAUT, WB
8.	Prof. Raja Banerjee	Member	Director, School of Biological Sciences, MAKAUT, WB
9.	Dr. Indranil Mukherjee	Member	Director, School of Management Sciences, MAKAUT, WB
10.	Dr. Somdatta Chakravortty	Member	Director, IQAC & Head, Dept. Of IT, MAKAUT, WB
11.	Dr. Suparna Biswas	Member	Asso. Prof. & Head, Dept. of CSE, MAKAUT, WB
12.	Dr. Jaya Bandyopadhyay	Member	Asso. Prof. & Head, Dept. Of Biotechnology, MAKAUT, WB
13.	Dr. Madhumita DasSarkar	Member	Asso. Prof. & Head, Dept. of VLSI and Microelectronics
14.	Dr. Smarajit Das	Member	Asst. Prof. & Head, Dept. of Bioinformatics, MAKAUT, WB.
15.	Sri Bivash Mallick	Member	Asst. Prof. & Head, Dept. Of Industrial Engineering Management, MAKAUT, WB
16.	Dr. Sabyasachi Bagchi	Member	Teacher, Netaji Subhas Engineering College
17.	Prof. Sibamay Dasgupta	Invitee	Director, School of Engineering Sciences, MAKAUT, WB.
18.	Prof. Sukhendu Samajdar	Invitee	Director, School of Natural & Applied Sciences, MAKAUT, WB.

19.	Prof. Pranabesh Chakraborty	Invitee	Director, School of Food, Pharmaceutical and Medical Science & Technology, MAKAUT, WB.
20.	Prof. Tapan Kumar Parya	Invitee	Director, School of Energy & Environmental Sciences, MAKAUT, WB.
21.	Prof. Amitabha Sinha	Invitee	Director-Academic Reforms and OSD (Internal Examinations)
22.	Prof. Arup Mukherjee	Invitee	Head, Dept. of Forensic Sciences, MAKAUT, WB.
23.	Prof. Radha Ballabh Bhar	Invitee	Head, Dept. of Applied Sciences, MAKAUT, WB.
24.	Prof. Sujit Mukherjee	Invitee	Professor, Dept. of Management Sciences
25.	Dr. Ananta Kumar Das	Invitee	Professor (Contractual), Environmental Sciences, MAKAUT, WB.
26.	Dr. C. M. Hossain	Invitee	Head, Dept. of Pharmaceutical Science & Tech. MAKAUT, WB.
27.	Sri J. P. Shaw	Invitee	Head, Dept. Of Travel & Tourism, MAKAUT, WB.
28.	Sri Sujoy Mitra	Invitee	Coordinator – Academic Activities, Dept. of Forensic Sciences, MAKAUT, WB
29.	Sri Krishnendu Saha	Invitee	Head, Dept. Of Media Science, MAKAUT, WB
30.	Sri Anil Prasad	Invitee	Assistant Controller of Examinations, MAKAUT, WB
31.	Dr. Swapan Kumar Maity	Invitee	Inspector of Colleges, MAKAUT, WB
32.	Dr. Subhashis Datta	Invitee	Controller of Examinations, MAKAUT, WB

The following were granted leave of absence:

| 1. | Prof. Pingal Venugopal | Member | Professor, XLRI Jamshedpur |
| 2. | Dr. Arup Dasgupta | Member | Teacher, Netaji Subhas Engineering College |

The meeting was chaired by Hon'ble Vice-Chancellor Prof. (Dr.) Saikat Maitra.

The meeting was called on an emergency basis particularly to discuss on the holding of the Intermediate Examinations for students based on the Advisory from State Government and to finalize the date of the commencement of the next academic year 2020-2021.

I. *Agenda No.1: Confirmation of the minutes of the Academic Council Meeting held on 21st August, 2020 through Zoom App.*

The minutes of the Academic Council Meeting held on 21st August, 2020 through Zoom App was placed in the meeting for confirmation by Registrar (Minutes was already circulated to the members).

Resolved: The minutes of the Academic Council Meeting held on 21st August through Zoom App was accepted for confirmation with the following amendment:

" With respect to Agenda No.6: Report on the introduction of new courses in the academic session 2020-21, the renaming of the School of Natural & Applied Sciences shall be as School of Natural, Applied and Social Sciences instead of School of Natural, Applied and Behavioural Sciences".

II. **Agenda No.2:** *Placed for consideration the report on holding of the Intermediate Examinations for students.*

The report on holding of the Intermediate Examinations for students was placed in the meeting by Controller of Examinations (Annexure-I). The salient features of the report being:

1. **Regular students of intermediate semesters:**
   a. The assessment process of the intermediate students would be initiated from 29th Sept 2020 and carried out as per following schedule.

29/09/2020: Availability of forms and submission of application form by the regular and Back Paper candidates
03/10/2020: Last date for the students for online submission of the forms.
06/10/2020: Last date for confirmation/ verification by the colleges for eligibility of the students.
08/10/2020: Last date for submission of the Fee online by the students or colleges.
10/10/2020: Tentative date for generation of admit Cards.
12-17/10/2020: Dates for submission of assignment (out of 20 marks), Practical final (out of 60), sessional /grand viva/ project (out of 100) marks in university portal.

   b. 20% marks would be awarded based on 'assignment based evaluation'. Colleges would to submit marks for the intermediate semester students based on assessment of assignments of the intermediate semester already done/ through different suitable modes following Covid-19 norms. The marks would be submitted in the university portal after form fill-up process. Colleges would keep records of the assignments which need to be made available to the University after Covid-19 situation gets normalized, if required.

   80% marks would be awarded based on continuous assessment and attendance. 75% marks would be taken from best three of four continuous assessments already submitted in the examination portal. 5% marks would be awarded based on attendance. Imposition of lockdown would be treated as 'classes attended'.

   c. If a student wishes to appear in a formal examination instead of 'alternate evaluation method', he/she would be given an opportunity to apply for the same which would be held only after Covid-19 situation gets normalized.
   The final result would be revised as per student's performance in the special examinations, irrespective of whether a student secures more or less marks than what is awarded to him/her through the 'alternate evaluation method'.

2. **Students of intermediate semesters with back papers in earlier semester and special supplementary:**

   a. All such students of intermediate semesters, who have back paper in earlier semester(s) in one or more subjects, would appear in conventional examination process for 70 marks in offline mode as and when situation would be permissible.
   b. Special supplementary examinations for final year would also be conducted along with the other back paper candidates of intermediate semesters in a similar process.
   c. However form fill up for all such candidates would be completed with the form fill up process of regular candidates.

Resolved: The report was accepted unanimously on holding of the Intermediate examinations for the students and following steps as proposed were accepted for implementation:

   a. The process would be intimated to the HED, Govt. of WB for appraisal on 28.09.2020 itself.
   b. The execution process would be notified for all concerned as approved on 29.09.2020.
   c. Colleges would be directed to complete the process of assignment based evaluation to evaluate out of 20 marks for the students of intermediate semester through different suitable modes following Covid-19 norms. They may consider the assignments already given to the students in the current semester or can exercise now, if not done so far through different suitable modes following Covid-19 norms.
   d. Application/form fill up process for 'alternate evaluation method' would be initiated through online examination portal for all intermediate, back paper & special supplementary students immediately and would be completed by 8th October 2020.
   e. Admit card for eligibility for alternate evaluation method would be issued within 10th October 2020.
   f. Marks for assignments, practical and sessional subjects would be collected during 12th to 17th October 2020 through online examination portal.
   g. Processing of marks and publication of result preferably would be within 31st October 2020
   a. Admit card for back paper and special supplementary candidates would be issued only after finalization of schedule of offline examinations depending on the Covid-19 pandemic situation and government advisories regarding reopening of institutions.

III. *Agenda No.3: Placed for consideration the report to finalize the date of commencement of the next Academic Session.*

The report on the commencement of the next academic year 2020-2021 was placed in the meeting by the Controller of Examinations which is as follows:

   a. Academic Year 2021 would commence from November 2020 in online/offline / blended mode. However physical attendance of the students in the institutions is advised only after appropriate order of the Government based on Covid-19 pandemic situation.
   b. Odd Semester for all programs would commence from **02.11.2020** and continue till **20.02.2021** (sixteen weeks).

c. Examinations to be completed within **27.03.202**.
d. Evan Semester to commence from **29.03.2021** and continue till **17.07.2021** (sixteen weeks).
e. Evan Semester Examinations to be completed within **14.08.2021**.
f. All above dates are tentative and would depend upon Covid-19 pandemic situation and advisories of Govt and statutory bodies.
g. Credit transfer from MOOCs platforms would be available.
h. Pattern of continuous assessment and end semester examinations would be decided based on the intensity of Covid-19 pandemic situation and government advisories in this matter.

Resolved: The report on the commencement of next academic year 2020-2021 as placed in the meeting by the Controller of Examinations was unanimously accepted for necessary implementation.

IV. *Agenda No.4: To place for consideration the progress in credit Transfer Schemes in different MOOC's Platform.*

Controller of Examinations reported in the meeting regarding strategic alliance with Coursera for credit transfer schemes in different MOOC's Platform. He stated based on the decisions of earlier meetings, a list of mapped courses from NPTEL/SWAYAM platform for AICTE programs has already been published for credit transfer scheme.

Strategic alliance with Coursera has been made so that students of University and affiliated colleges can get the Coursera licenses at a very low rate and take MOOCs courses on Coursera for the purpose of credit transfer, academic improvement, skill development, taking course for MAR, MOOCs for Honours purpose and online project.

Some of the affiliated colleges have already signed order form and some are in progress.

To implement credit transfer, the colleges may submit the list of courses for credit transfer scheme to the office of CoE and through appropriate process, the same would be allowed from the academic year 2020-21.

Resolved:
(i) The report was accepted for implementation.
(ii) Further resolved that for university to take a decision on the courses for which licenses to be acquired for Coursera, Controller of Examinations to hold a meeting with the Directors of different Schools and Heads of the different Departments for finalizing.

Miscellaneous placed on the table with permission from the chair:

V. *Agenda No.5: Placed for consideration a reporting on the Entrance Examinations being conducted in the University for Admission to various courses for the academic year 2020-2021.*

A report was placed in the meeting on the holding of the CET, JEMAT & PGET by Controller of Examinations. It was stated that two Common Entrance Test (CET)s for Non AICTE UG & PG courses, two JEMATs for Management courses and one PGET for admission in M Tech courses were conducted as per following details.

	Exam Date	Result Date	No of Candidates
CET 1:	07.08.20	10.08.20	5923
JEMAT 1:	07.08.20	10.08.20	984
PGET:	08.09.20	14.09.20	1495
CET 2:	14.09.20	18.09.20	8470
JEMAT 2:	14.09.20	18.09.20	679

Applications were received online. Examinations were conducted online. Students appeared form their preferred places in proctored environment. During application, a list of preferential choices was taken for allotment of seat. On publication of results, both rank card and allotment letter were provided together. Colleges were provided with details of allotted students to complete admission process.

Resolved:

(i)   The report on holding of the entrance examinations by University for admission in different courses in the academic year 2020-2021 was accepted and recommended for further progress and implementation.

(ii)   For increase in intake the necessary enhancement to be made as per requirement maintaining norms and to be reported in the subsequent meeting of the Academic Council.

(iii) For admission through PGET like previous years a notification may be issued by Registrar inviting applications for direct admission maintaining norms immediately after the admission process through PGET examinations ends on 6th October, 2020.

(iv)   The notification for holding of CET-III & JEMAT-III to be published end of September and as proposed applications may be seeked from 1st October, 2020 till 12th October, 2020 and examinations can be held on 15th October, 2020 and results by 18th October, 2020 keeping in the backdrop that the admission process be completed by 31st October, 2020 as the new session is commencing from 1st November, 2020.

VI.   *Agenda No.6: Placed for consideration the report on BOS approved minutes in B. Tech IT, B. Sc & M.Sc IT with specialization, BCA & MCA and M. Tech in IT, AI, Data Science, IOT and Geo-informatics.*

The report of the BOS Minutes of the Meeting (annexure-II) was placed in the meeting by Head, Information Technology on the following programs :

- B.Tech in IT
- B. Sc and M. Sc Programs in IT with specialization in Cybersecurity, Artificial Intelligence , Data Science, Big Data Analytics, Inter of Things, Cryptography & Network Security and Blockchain
- BCA and MCA
- M.Tech Programs in Information Technology, Artificial Intelligence, Data Science, Internet of Things and Geo-informatics.

Resolved:

(i) As BOS has approved, the minutes of the meeting in the programs as proposed was accepted for implementation.

(ii) Hence forth the same approved syllabus to be followed for analogous courses applicable for the affiliated colleges also.

VII. **Agenda No.7:** *Reporting on the AICTE approval for departments for AICTE Doctoral Fellowship.*

Placed in the meeting the letter from AICTE on the subject "Approval for Departments for AICTE Doctoral Fellowship" (annexure-III). As per the letter university has been allotted 10 seats for AICTE doctoral fellow from the academic year 2020-21. The departments being:

(i) Computer Science & Engineering
(ii) Information Technology
(iii) Biotechnology
(iv) Bioinformatics
(v) Microelectronics & VLSI Technology

Resolved:

(i) Prof. Debashis De to act as Coordinator for successful implementation of the proposal.
(ii) All the HoD's and Directors of the concerned School to be intimated about the proposal.
(iii) Through a meeting in the presence of the Competent Authority, the distribution of the fellowship amongst the Departments to be taken.
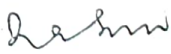(iv) A draft of the advertisement to be published is to be sent to the Registrar for publication.

VIII. **Agenda no.8:** *Placed for consideration on holding a webinar on inducing sports enthusiasm amongst students*

Registrar placed in the meeting a proposal by Tennis player Jaidip Mukherjea on holding of a webinar.

Resolved: The webinar to be held with the participation of eminent sportsperson belonging to other fields of sports as cricket, football also. Sri Jay Prakash Shaw and Dr. Sukhendu Samajder to coordinate the same.

The meeting ended with thanks to the chair.

Prof.(Dr.) Saikat Maitra
Vice-Chancellor & Chairman, Academic Council
MAKAUT, WB.

Dr. Partha Pratim Lahiri
Registrar & Secretary, Academic Council
MAKAUT, WB.