

Board of Studies, Department of Hospitality and Tourism Management, AdtU.	DATE	Time
	11/10/2022	12:50PM

Meeting No. : 14

NAME OF MEMBERS

SIGNATURE

1. Chairperson

Dr. Bhola Chourasia

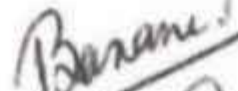


2. Members Present

Dr. Santosh K. Upadhyay



Ms. Banani Saikia



Mr. Ritwick Goswami



Mr. Mridu Pawan Rabha

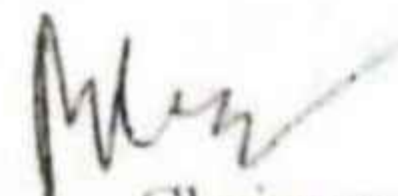


Mr. Jyotirmay Choudhury



AGENDA OF THE MEETING

Item	Resolution
1. Approval of New course-code from the session 2022-23 for BHMCT Programme.	A discussion was held among the members of the committee regarding the reconstitution of the BOS committee as per NEP 2020 guidelines. Accordingly it is decided to restructure BHMCT course from the academic session 2022-23 as per the Memo no-AdtU/DRA-II/2022/12 dated 10/10/2022.


Chairperson

0/11



Assam down town University

Office of the Deputy Registrar (Academic)

Gandhinagar, Panikhaiti, Guwahati-26

(Permission Granted Via The ASSAM ACT. NO. VIII OF 2010, Gazette No. LGL9/2010/11)

An ISO 9001:2015 certified & NAAC accredited University

Memo No: AdtU/ DRA-II/2022/12

Date: 10/10/2022

Notification

Introduction of New Course code from the session 2022-23

This is to inform all concerned that, the new course code format and proposed codes for all the courses under various UG and PG degree programme commenced from this **academic year (2022-23) is attached as Annexure I**. All concerned are informed to revise the course code as per the new format and complete the course registration for the entrant batch students (2022-23) at the earliest. This will also be placed as an agenda item in the upcoming academic council meeting scheduled to be held on 12-10-2022 and subsequent modification will be notified (if any).

This shall come into force with immediate effect.

Issued with due approval of the competent authority.

Dr. Ruhit Jyoti Konwar)
Deputy Registrar (Academics),
Assam down town University.

Copy for favour of their information to:

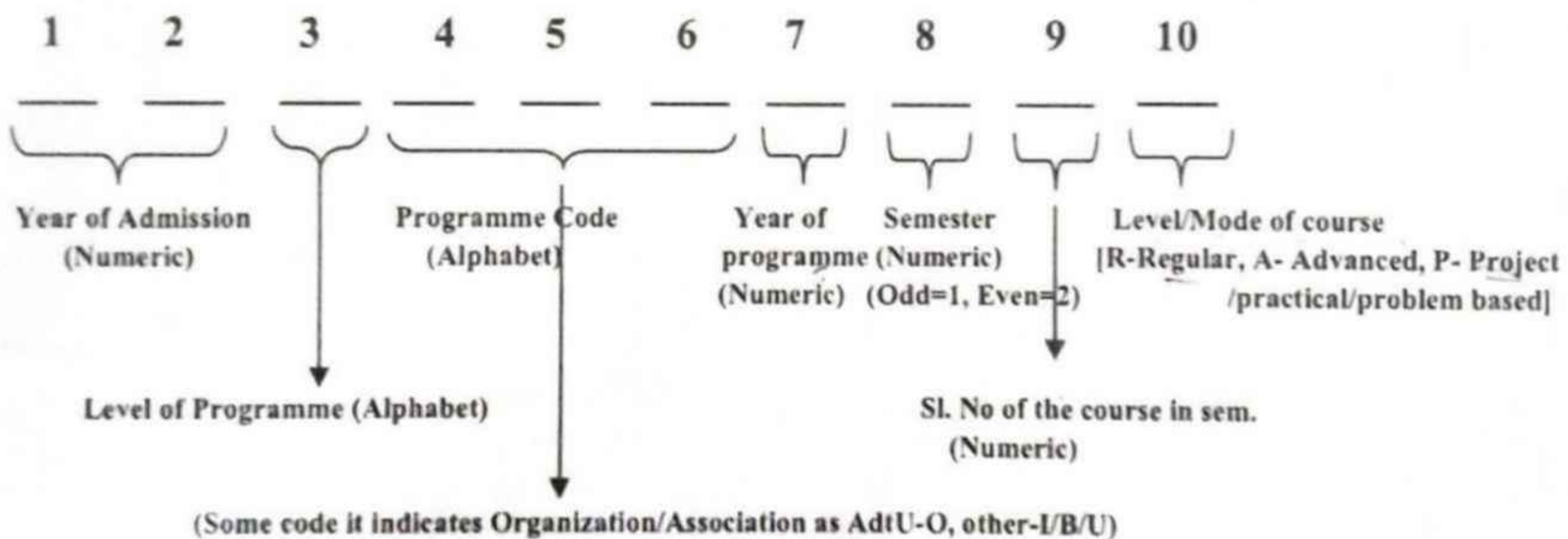
1. OSD to Vice Chancellor, AdtU
2. OSD to Pro Vice Chancellor, AdtU
3. P.S. to Dean of Studies, AdtU
4. P.S to Managing Trustee, dtCT
5. P.S to Resident Trustee, dtCT
6. Chairperson/Dean/Director/Associate Dean/ HoD (For circulation)
7. Office of the Controller of Examinations, AdtU
8. All Officers (Admin/Academic/IT/Accounts/Admission/Marketing/Legal/Placement/
Library/T&D)
9. HR Office
12. IQAC
13. Notice Boards/Message Desk (For display)
14. Office file (for record)

Annexure -I: Proposed Course Code Details

1. Abbreviation used to represent different levels of the Programmes

Sl No	Level of the Programme	Stream	Abbreviation
1	Doctor of Philosophy	PhD	PH
2	Post Graduate Level	Science	MS
		Arts	MA
		Management/Paramedical/Humanities/Pharmacy/ Nursing	M
		Engineering and Technology	MT
3	Under Graduate Level	Science	BS
		Arts	BA
		Management/Paramedical/Humanities/Pharmacy/ Nursing	B
		Engineering and Technology	BT
4	Diploma	Nursing/Pharmacy/Paramedical	D

2. Format of the Proposed Course Code



Eg: 22BTCS111R

Here,

Year of Admission = 22 (2022)

Level of Programme=B (Bachelor of)

Programme Code = TCS (Technology in Computer Science and Engineering) , Some code it indicates Organization/Association as AdtU-O, other-I/U/B (I-iNurture, U-Upgrade, B-Special programmes offered for students of Bangladesh)

Year = 1 ('1' for 1st Year of the Programme)

Semester = 1 ('1' for ODD semester and '2' for EVEN Semester within an Academic Year)

Course Serial No = 1 (1st Course)

R = Regular Course

	BCS	B.Tech. in Computer Science and Engineering	BCS	BTCS	
	BSL	Bachelor of Arts in Sociology	BSL	BASO	
	BPY	Bachelor of Arts in Psychology	BPY	BAPS	
	BMB	Bachelor of Science in Microbiology	BMB	BSMB	
9	BOP	Bachelor of Optometry	BOP	BOPT	
0	BDL	Bachelor of Dialysis Technology	BDL	BDIT	
21	BPA	Bachelor of Arts in Performing Arts	BPA	BAPA	
22	BHMCT	Bachelor of Hotel Management and Catering Technology	BHMCT	BHMC	
23	BSCCICT	Bachelor of Critical and Intensive Care Technology	BSCCICT	BCIC	
24	BCASP	Bachelor of Computer Application	BCASP	BCAO	
25	BCS(B)	B.Tech. in Computer Science and Engineering (B)	BCS(B)	BCSB	
26	BME(B)	B.Tech. in Mechanical Engineering (B)	BME(B)	BMEB	
27	BCE(B)	B.Tech. in Civil Engineering (B)	BCE(B)	BCEB	
28	BBA(I)	Bachelor of Business Administration (I)	BBA(I)	BBAI	
29	BCS(I)	B.Tech. in Computer Science and Engineering on Cloud Technology and Information Security	BCS(I)	BCSI	

SEMESTER WISE DISTRIBUTION OF COURSE

Total Credit -175

Semester I

S. No.	Course Code	Course Title	Course Category					
				L	T	P	S	C
1	22BHMC111R	Foundation in Food Production -I	Core Theory	2	1	0	0	3
2	22BHMC111R	Foundation in Food Production -I (Practical)	Core Practical	0	0	2	0	2
3	22BHMC112R	Foundation in Food & Beverage Service -I	Core Theory	2	1	0	0	3
4	22BHMC112R	Foundation in Food & Beverage Service -I (Practical)	Core Practical	0	0	2	0	2
5	22BHMC113R	Foundation in Front Office Operations - I	Core Theory	2	1	0	0	3
6	22BHMC113R	Foundation in Front Office Operations Foundation- I (Practical)	Core Practical	0	0	2	0	2
7	22BHMC114R	Foundation in Accommodation Operation - I	Core Theory	2	1	0	0	3
8	22BHMC114R	Foundation in Accommodation Operation -I (Practical)	Core Practical	0	0	2	0	2
9	22BHMC115R	PDP 1	PDP	0	0	4	0	2
10	22BHMC116R	MOOC	MOOCs	0	0	0	0	1
11	22BHMC117R	Co-Curricular	Co-curricular	0	0	0	4	1
12	22BHMC118R	Extra-curricular	Extra-curricular	0	0	0	4	1
Total								25



Minutes of BOS Meeting No: 21
Programme of Mechanical Engineering
Faculty of Engineering and Technology
Assam down town University

Date:	Time	Venue
03/03/2022	11:00 AM	Dean's Office

The following members were present in the meeting:

Members Present	Designation
1. Dr. Arnob Bormudoi	Chairman
2. Dr. Mala Dutta	Member
3. Mr. Biswajyoti Das	Member Secretary
4. Dr. Sanjib Kr Rajbongshi	Member
5. Mr. Manash Jyoti Borah	Member
6. Mr. Pulakesh Chetia	Member
7. Mr. Raktutpal Borah	Member

In the meeting, the following agendas are discussed, resolved, and forwarded to AC for further action.

Item/Agenda	Discussion	Resolution	Action Required
1. Selection of Professional Elective subjects and Open Elective subjects for 8 th Semester	Discussion took place in relation to the offering new Professional Elective and Open Elective subjects for 8 th semester ME as per AICTE Model syllabus	Resolved that ME is going to offer the following Professional Elective and Open Elective subjects for 8 th Sem. ME: Professional Elective: i. Principle of Management (PEC-MEL431) ii. Total Quality Management (PEC-MEL434) Open Elective i. Economics for Engineers (OEEL301)	FAC is requested to initiate the inclusion of Open Elective Course and Professional Elective Course for 8 th semester ME students. Professional Elective: i. Principle of Management (PEC-MEL431) ii. Total Quality Management (PEC-MEL434) Open Elective Economics for Engineers (OEEL301)
1. Approval of	Members discussed	Members resolved to	FAC is requested to

- 1 Prof. Ananta Choudhury
- 2 Dr. Nayan Talukdar
- 3 Mr. Ratul Goswami
- 4 Mr. Prabhavan Baruah
- 5 Prof. Manashi Sengupta
- 6 Mr. Nweke Michael
- 7 Mr. Techl Pehi
- 8 Ms. Masuma Akter Borbhuyan
- 9 Mr. Sumit Choudhury

MEETING AGENDA

- 1 Discussion and approval of new curriculum of B. Tech (Civil Engg) year 2023-27
- 2 Discussion regarding syllabus of 1st and 2nd Semester
- 3 Any other matter

S.N.	Agenda	Discussion	Resolution
1.	Discussion and approval of new curriculum of B. Tech (Civil Engg) year 2023-27	Comments and suggestion from the experts: 1. Mr. Parikh Nath (PN) 2. Prof. M. Ali (PM) 3. Prof. Parthajit Roy (PR) 4. Mr. Rajib Talukdar (RT)	All the valuable comments and suggestions from the expert members are highly appreciated and amended in the curriculum and syllabus
		Include courses related to sales and marketing – PN	
		How many exams for SEE? (PM)	Only 1 final exam (SEE) + sessional exams - 2
		For internal assessment 50:50 I have some reservation (PM)	It is not taken from the progressive universities
		The internal assessment is ok for 50, if there are enough faculty members to conduct it. (PM)	
		How many courses in English you have? Total 6 courses in English is good, but are you not compromising with the technical courses. (PM)	They are added as a additional components, other universities are incorporating a lot of English
		How many course of highway engg. and transportation engg.? (PM)	In 4 th SEM transporation engg. and 5 th SEM pavement materials. Add something like adv. Pavement materials
		How many courses on structural analysis (SA)? (PM)	In 5 th SEM one course on structural analysis (SA) is added
		Do you think one course of SA of 4 credit is enough for civil	Two courses of SA should be added.

<p>AWS Courses under Skill Builder Portal for batches 2021-25 onwards.</p>	<p>the AWS Courses to be offered under Skill Builder Portal for batches 2021-25 onwards.</p>	<p>approve the following AWS Courses to be offered under Skill Builder Portal for batches 2021-25 onwards:</p> <ul style="list-style-type: none"> a) Cloud Foundation Learning Plan b) Machine Learning Plan c) Data Analytics Plan d) IoT Learning Plan e) Storage Learning Plan: Block Storage f) Storage Learning Plan: Object Storage g) Database Learning Plan: AWS Relational Database Services h) Database Learning Plan: AWS NoSQL Database Services <p>Details are available in Annexure-I.</p>	<p>take the necessary action for the approval of the same.</p>
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Amob Bormudoi
02/02/2022

Dr. Amob Bormudoi
Chairman
BoS, Mechanical Engineering
AdU

Biswajyoti Das
03/03/2022

Mr. Biswajyoti Das
Member Secretary
BoS, Mechanical Engineering
AdU

M. D. S.
3/3/2022

Biswajyoti Das
3/3/2022

Pratima
02/03/2022

[Signature]
03.03.2022

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2/3/22

Amob Bormudoi
02/02/2022

COMMITTEE NAME	DATE	TIME
BOARD OF STUDIES(BOS)	15/3/2022	2.00PM

MEETING NO.: FPMS/BOS/2022/001

The following members were present in the meeting:

1. Dr. Pratap Chandra Sarma, Advisor
2. Prof(Dr.) Gitumoni Konwar, Chairperson
3. Dr. Himamoni Deka (External Expert)
4. Dr. Tarini Kanta Das, Member
5. Dr. Abhijit Dutta, Member
6. Mr. Ram Prasad Bhattarai, Member
7. Mr. Arnabjyoti Deva Sarma, Member Secretary
8. Dr. Kangkana Dutta Phukan
9. Rakibul Hasan Khan
10. Mrs. Shila Kumari Singh
11. Mrs. Deepa Choudhury

ITEM NO.:

RESOLUTION NO.:

1: The Programme co-coordinator of BPT, BRAIT, OPTOMETRY, DIALYSIS, MLT, OT, TEDM proposed for Revision of syllabus and standardize the format of syllabus for upcoming session (August/2022)

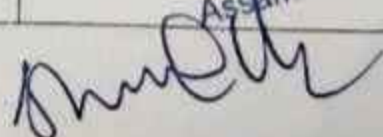
1. The Board has agreed the proposal for revision & standardization and recommended for academic council approval.

2. By following NAAC criteria Proposal for implementation of new courses in all the Programmes or in some of the Undergraduate Programmes of Paramedical Sciences having :-

2. The Board has decided not to introduce any new such kind of courses in the entire programmes. As few similar courses are already run by each programme within the faculty of studies.

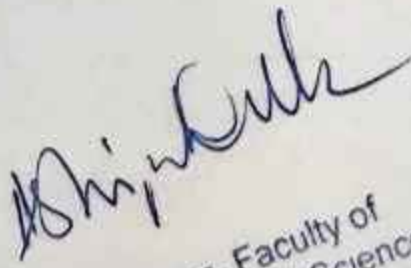
1. employability/ entrepreneurship/ skill development
2. CBCS/elective course
3. Institution integrates cross-cutting issues relevant to Professional Ethics ,Gender, Human Values, Environment and Sustainability
4. value-added courses for imparting transferable and life skills

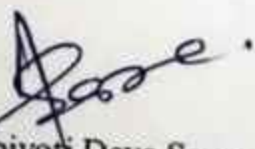
Dean, Faculty of
Paramedical Science
Assam down town University



3. Introduction of CBCS process in Diploma Programmes	3. The Board has agreed the proposal and recommended for academic council approval.
4. Introduction of the new courses for the session 2022 entrant batch as per 2022 superstructure. (List enclosed)	5. The Board has agreed the proposal and recommended for academic council approval.
5. Any other issues	6. NIL

*As there were no points to discuss the meeting ended with a vote of thanks to the Chair.


Dean, Faculty of
Paramedical Science
Assam down town University


Arunabjoti Deva Sarma
Member Secretary, BOS

BOARD OF STUDIES (BoS) Meeting	DATE: 20-01-2023	TIME: 11:30 AM		
Department of Management. AdtU	MEETING NO: 43			
Members of the BoS				
<u>Name</u>	<u>Designation</u>	<u>Email ID</u>	<u>Signature</u>	<u>Meeting 1 20-01-2023</u>
Dr Seema Sharma,	Chair Person - Dean FCM AdtU	seemasharma1322@gmail.com	<i>Seema</i>	Present
Subject Experts				
Prof. P. K. Jain	Deptt. Of Business Admin Gauhati Univ	pkjain@gauhati.ac.in	Online	Present
Prof. Sunil Saikia	Director MBA Gauhati Commerce College	-		
Dr.Gobinda Deka	KK Handique State Open Univ	dr.gobinda.deka@kkshou.in		
One Representative from Associate Prof				
Dr.Samannoy Baruah	Associate Professor	sam_baruah@yahoo.co.in	<i>S. Baruah</i>	Present
One Representative from Assistant Prof				
Dr. Rishi Chakravarty	Assistant Professor	rishi.chakravarty2020@gmail.com	<i>Rishi</i>	Present
Member Nominated by the Chancellor				
Dr.Kangkana Dutta	Associate Professor	-	<i>Kyke</i>	Present
Member Nominated by the Vice Chancellor				
Dr.Prateeti Barman	Dean Faculty of HSS	prateeti.barman@yahoo.com, dean.hss@adtU.in	<i>Prateeti B.</i>	Present
Member Nominated by the Dean of Studies				
Dr. G. K. Upadhyay	Dean FET	gkupadhyay2003@yahoo.com		Resigned
Member Nominated by the Pro Vice Chancellor				
Dr. Mala Dutta	Associate Professor FET	maladuttasid@gmail.com mala.dutta@adtU.in	<i>Mala</i>	Present
Representative of Alumni				
Mr. Arindom Bhattacharya		arrybonlyn@gmail.com		
Mr. Sanjib NarolaChetry			Online	Present

Mr. Shakti Karki			Online	Present
Representative of Students				
Mr. Parag Moni Das	MBA IV	paragdas822@gmail.com	Paragman Das	Present
Ms. Ragini Kalita	MHM IV	raginikalita1999@gmail.com		Present
Ms. Umashree Devi	MHM II	umashreesharma2018@gmail.com	Umashree Devi	Present
Ms. Nibedita Bordoloi	MBA II	nebiditabordoloi33@gmail.com	Nibedita B.	Present
Ms. Bipasha Devi		bipashadevi09@gmail.com	Bipasha	Present
Mr. Asif Shah		mdasifshah567@gmail.com		
Faculty Representative from concerned allied subject				
Dr. Manas P Kashyap	Associate Professor - Faculty of Science	mpk.stat@gmail.com		
Dr. Sagarika Mahanta Das				Present
Industry Experts				
Dr. Samir Baruah	Corporate Gen. Manager (Retd.) Indian Overseas Bank	samir.baruah@gmail.com		
Mr. Pankaj Gogoi	Founder Redelmon Technologies & President Satrup Assam	pankajgogoi666@gmail.com	Online	Present
Mr. Aklanta Pratim Dutta	Regional Head - Reliance Life	protim2002@yahoo.com		
Mr. Atma Godara	HR BP Netflix	godara.ar@gmail.com		
Mr. Tanvinder Singh Bindra	HR Lead Cremica	tanvinder.singh@bectorfoods.com	Online	Present
Dr. Sudhanshu Verma,	Professor	sudhanshu.verma@adtu.in		Present
		Grand Total		20
		Necessary for Complete Quorum		2/3 of GT
		Total Members Present		18
		Quorum Completed		

Agenda of the Meeting

S. No.	Item	Resolution
1	Welcome of all the members of BoS by Chairperson.	<ul style="list-style-type: none"> - Members were duly welcomed by the chairperson Prof. Dr. Seema Sharma Dean FCM
2	Introduction of New Course Curriculum in MBA Programme.	<ul style="list-style-type: none"> - Courses were approved by all the members present, unanimously and the course content and structure appreciated by all the members present. - Prof. P. K. Jain suggested that course credits should be displayed in the course code. - Latest tools of Financial Planning were suggested by Mr. Tanvinder Singh Bindra to be incorporated in Financial Management (22MBAO123R) and Personal Financial Planning (22UUFL202R). The members were informed by the member secretary, that the latest tools, applications and supporting software have already been incorporated in Computational System & Digital World (22UUDL103R) and Techno Professional skills. - Labour Law or Labour Legislation should be incorporated as part of MBA HR Specialization was suggested by Prof. P. K. Jain, and the members were informed by the member secretary that Labour Law or Labour Legislation are already a part of Ethics, Law and Business (22MBAO116R), Human Resource Management (22MBAO125R), Compensation Management (22MBAO227R), and New & Evolving HR Practices (22MBAO226R)
3	Introduction of New courses in MBA in Health care.	<ul style="list-style-type: none"> - Courses were approved by all the members present, unanimously and the course content and structure appreciated by all the members present. - Mr. Tanvinder Singh Bindra emphasized that MBA in Healthcare students should have regular interaction with Healthcare industry professional. The Members were informed that weekly visits to hospitals, interaction with healthcare professionals and practical exposure of work conditions to the students is a necessary part of MBA in Healthcare Programme
4	Introduction of New courses in BBA Programme.	<ul style="list-style-type: none"> - Courses were approved by all the members present, unanimously and the course content and structure appreciated by all the members present. - Prof. P. K. Jain suggested that the university should take necessary steps to convert the present 3 Year BBA programme into a 4 year BBA Programme. The members were informed that university has already started planning and course construction is well on its way, It shall soon be implemented.
5	Any further issues, as directed by the chairperson.	<ul style="list-style-type: none"> - Mr. Sanjib Narola Chetry suggested that the university should start courses in emotional Intelligence and Stress Management for all the Programmes as these courses can help the students in handling their professional and personal issues. The members were informed that university is already running multiple student counselling and mentoring sessions to help the students and his suggestions would be placed for considerations in DAC.

BOARD OF STUDIES, FACULTY OF PARAMEDICAL SCIENCES	4.12.2020	11.30AM
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MEETING NO-7

The following members were present in the meeting:

1. Dr. P. C. Sarma
2. Dr. B. C. Sarma
3. Dr. Abhijit Dutta
4. Dr. Trishna Srikra Barua (PT)
5. Ms. Rakibul Hassan Khan
6. Ms. Shila Kumari Singh
7. Dr. Wankupate Wankar
8. Zosangliani
9. Agnib Musthaq
- 10.
- 11.
- 12.

ITEM NO:	RESOLUTION NO:
1. Proposal to start 3 years B.Sc. with 1 year Internship ⁱⁿ Emergency & Intensive Care Technology under the Department of Emergency & Critical Care (ECC) from the next Academic Session.	After reviewing the Syllabus and nomenclature namely B.Sc in Emergency & Intensive Care Technology, The committee members of B.O.S. has decided to forward it to the Academic Council for further approval.
2. Few of the member of the B.O.S. Committee has left the University.	As per discussion with B.O.S. committee, two new members are added. (Dr. Siben Dutta, from down town Hospital and Dr. Navjyot Trivedi from Faculty of Paramedical Sciences).

Jemma

FACULTY OF ENGINEERING AND TECHNOLOGY
Programme- B.Tech CSE and BCA
BOARD OF STUDIES (BOS)

MINUTES OF MEETING

COMMITTEE NAME	DATE	TIME
Board Of Studies(BOS) Programme – B.Tech and BCA Faculty of Engineering and Technology	17/05/2022	11.00 am

MEETING NO 28

The following members were present in the meeting, which was held in hybrid mode:

Sl. No	Name	Designation	External /Internal
1	Prof. G K Upadhyay	Chairperson Executive	Chairperson
2	Dr. Debsshis Dev Misra	Member Secretary BoS	Internal
3	Dr. Mala Dutta	Member	Internal
4	Dr. Manoj Kumar Sarma	Member	Internal
5	Mr. Ankur Pan Saikia	Member	Internal
6	Mr. Purba P Borah	Member	Internal
7	Dr. Anjana Kakoti Mahanta	Member	External
8	Dr. Subhrojyoti Bordoloi	Member	External
9	Dr. Nayan Talukdar	Member, Allied Faculty	Internal
10	Mr. Durlav Rajkonwar	Member Industry	Special Invitee
11	Mr. Sayed Mahfazul Mazid	Member Industry	Special Invitee

Total Members Present-11


Quorum Fulfilled - Yes


MEETING AGENDA

1. Approval of respective 1st to 8th semester curriculum for the batches 2018, 2019, 2020, 2021 of B.Tech CSE
2. Subject Interchange between 3rd semester and 4th semester 2021 batches of B.Tech CSE
3. Revision of syllabus of DSA for 2021-2025 batch of B.Tech CSE
4. Revision of DBMS syllabus for the 2020 batch in the 5th sem of B.Tech CSE
5. Approval BCA curriculum for the batch 2021 and 2022 batch

S.N.	AGENDA	DISCUSSION	RESOLUTION
1.	Approval of respective 1 st to 8 th semester curriculum for the batches 2018, 2019, 2020, 2021 of B.Tech CSE	Discussion was done regarding some modifications to the curriculum and the detailed syllabi was perused	The modifications to the curriculum as listed in curriculum have been adopted and the detailed curriculum has been approved.

2.	Subject Interchange between 3 rd semester and 4 th semester 2021 batches of B.Tech CSE	Discussion took place over OOP and Discrete Mathematics subject interchange between 3 rd and 4 th semester	The BoS has resolved that Discrete Mathematics can be taught in 3 rd semester and differential calculus will be shifted to 4 th semester. OOP can be offered in the 3 rd semester
3.	Revision of syllabus of DSA for 2021-2025 batch of B.Tech CSE	Discussion of syllabus revision of DSA [22BTCS213R] has been taken place	The modification of the new revised syllabus has been listed in Annexure A and it have been adopted and the detailed curriculum has been approved.
4.	Revision of DBMS[22BTCS312R] syllabus for the 2020 batch in the 5 th sem of B.Tech CSE	Discussion of syllabus revision of DBMS [22BTCS312R] has been taken place	The modification of the new revised syllabus has been listed in Annexure A and it have been adopted and the detailed curriculum has been approved.
5.	Approval BCA curriculum for the batch 2021 and 2022 batch	Discussion was done regarding some modifications to the curriculum and the detailed syllabi was perused	The modifications to the curriculum as listed in curriculum have been adopted and the detailed curriculum has been approved.


 Dr. Prof. G. K. Upadhyay
 Prof. (Dr.) G. K. Upadhyay
 Chairperson (Executive)
 Faculty of Engg & Tech.
 AdTU


 Dr. Debashis De. Misra
 Member Secretary, BoS
 Computer Science and Engineering
 Faculty of Engg & Tech. AdTU

Annexure I

Semester	Paper Code	Paper Name	Topic Removed	Topic Added
2	DSA [22BTCS213R]	DSA	NA	Graph: Basic Terminologies and Representations, Graph search and traversal algorithms and complexity analysis.
2	DBMS [22BTCS312R]	DBMS	NA	Graph: Basic Terminologies and Representations, Graph search and traversal algorithms and complexity analysis. Advanced topics: Object oriented and object relational databases, Logical databases, Web databases, Distributed databases, Data warehousing and data mining

COMMITTEE NAME	DATE	TIME AND VENUE
Board of Studies, Faculty Of Humanities and Social Sciences	12/11/2022	3.30 PM : Office Room of Dean i/c
MEETING NO.: 16		
The following members attended the meeting:		
1. Chairperson	Dr Prateeti Barman, Dean i/c	
2. Member-	Dr Mrinal Kanti Deb, Assoc Dean	
3. Member-	Dr. Sagarika Mahanta Das , English	
4. Member-	Dr Suparna Dhar, Sociology	
5. Member-	Dr. Bijoy Das, Social Work	
6. Member-	Ms Nibedita Baishya, Performing Arts	
7. Subject Experts-	Prof M. Tineshwori Devi, Social Work Dr Manideepa Das, Psychology	
8. Member Secretary-	Dr Manjusha Deka Saikia, Psychology	
Member Absent :		
Dr Lanu Devi		
<u>AGENDA</u>		
1. Discussion on the New Syllabus 2. Revision of Syllabus		
MINUTES AND ACTION TAKEN REPORT OF THE BOARD OF STUDIES MEETING NO. HELD ON .		
ITEMS:	DISCUSSIONS & RESOLUTIONS:	ACTION TAKEN:
1: Confirmation of minutes of the 14th Board of Studies Meeting held on 16/9/2021	1: Minutes confirmed.	1: Minutes circulated.
2: New Superstructure was introduced for all the Programmes	2: The Programme Co-ordinators prepared the Course Structures with the help of the mentors and concerned teachers of Programme of Social Work Programme of Sociology Programme of Psychology Programme of Performing Arts	2: Recorded in minutes

3 : Revision of Syllabus	3 : Syllabus was revised according to New Course Structure with Programme Outcomes , Programme Specific Outcomes, Programme Educational Executives, Course Outcomes. The Syllabus incorporated LTPSRO according to the New Course structure and it was presented and approved by all the subject experts and all members present .	Recorded in minutes
4. Addition of New Courses :	New courses were introduced such as UHV, Research Methodology, PDP, Value Added Courses, Moocs, These courses were recommended by all the Programmes and the members and the experts agreed to the Introduction of these courses.	Recorded in minutes

The meeting ended with a vote of thanks to and from the Chair.

Manjusha Deka Saikia

Dr Manjusha Deka Saikia
Member Secretary

2023 January

COMMITTEE NAME	DATE	TIME
BOARD OF STUDIES (BOS), FACULTY OF PARAMEDICAL SCIENCES	09/01/2023	11.00 AM
MEETING NO.: FPMS/BOS/2023/001		
<p>The following members were present in the meeting held in a hybrid mode:</p> <ol style="list-style-type: none"> 1. Dr. Pratap Chandra Sarma, Chairperson - Off line 2. Prof. (Dr) Abhijit Dutta, Member - Off line 3. Dr. Himamoni Deka (Subject Expert), External Member - On line 4. Dr. Binoy Kr. Choudhury, (Subject Expert), External Member - On line 5. Mr. Jibon Sharma, (Subject Expert), External Member - Off line 6. Dr. Biju Dutta Choudhury (Industry Expert) External Member- On line 7. Dr. Imliwati Longkumar (Industry Expert), External Member - On line 8. Dr. Manabendra Nayak, External Member (Member nominated by Hon'ble Chancellor) - Off line 9. Mr. Purba Prasad Borah, External Member (Member nominated by Hon'ble Pro-Vice Chancellor) - Off line 10. Mr. Aqib Mustaq, Member (Member nominated by Hon'ble Vice-Chancellor) - Off line 11. Mr. Rakibul Hasan Khan, Member - Off line 12. Dr. Kangkana Dutta Phukan, Member Secretary - Off line 13. Dr. Nayan Talukdar, Special Invitee - Off line 14. Mrs. Varsha Patwary, Special Invitee - Off line 15. Mr. Prasenjit Deb, Alumni (Special Invitee) - On line 16. Miss Mayuri Gogoi, Alumni (Special Invitee) - On line 		
Agenda	Discussion	Resolution
<p>A. Syllabus overview as per the revised curriculum for under graduate & post graduate programmes of Faculty of Paramedical Sciences (FPMS).</p>	<p>A.</p> <p>I) Discussion on the revised course curriculum and course super structure was done in detail of all the programmes of FPMS viz -</p> <p>Under Graduate Courses:</p> <ol style="list-style-type: none"> a) Bachelor of Medical Laboratory Technology b) Bachelor of Dialysis Technology c) Bachelor of Operation Theatre Technology d) Bachelor of Optometry e) Bachelor of Radiography & Advanced Imaging Technology. f) Bachelor of Trauma, Emergency & Disaster Management g) Bachelor of Critical and Intensive Care Technology <p>Post Graduate Courses:</p> <ol style="list-style-type: none"> a) Master in Medical Laboratory Technology b) Master in Emergency & Critical Care <p>II) In Post Graduation syllabus of Masters in Emergency and Critical Care there has been a duplication of a Course in 2nd Semester. The course - "Research Methodology" (22MECC125R) which is a Programme Core with 3</p>	<p>A.</p> <p>I) The Board of Studies approved the revised course curriculum and course superstructure from the session 2022-2023 with the following minor changes:-</p> <ol style="list-style-type: none"> 1. In all the syllabi, changes were suggested to be made in the knowledge level column in accordance to the Blooms Taxonomy. 2. All the courses should have Uniform Units from 1 to 5. 3. The Course outcome should be specific and should reflect the course units. 4. Learning resources mentioned against each course should be reviewed mentioning the name of the book, chapters, edition, publication etc. The internet links and websites should also be authenticated and written following the Vancouver's style of writing. 5. Uniform format of font style and size is to be maintained. <p>II) It has been resolved that since both the courses are more than 90% similar in content, the programme core course (Research Methodology) can be omitted from the 2nd Semester Syllabus.</p>

[Signature]
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Credits is coinciding with the course - **"Research Methodology & Statistical Analysis"** (22UMRM121R) which is a University Core.

III) In the second semester of post graduate MLT, the following changes in the courses were discussed in perspective to the modified syllabus :-

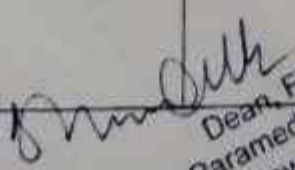
- a) Decrease of credit from 3 credits to 2 credits for the theory course " Biomedical Technique And Lab Management"(22MMLT121R)
- b) Decrease of credit from 3 credits to 2 credits for the theory course " Hematology"(22MMLT122R)
- c) Decrease of credit from 3 credits to 2 credits for the theory course " Introduction To Blood Bank" (22MMLT123R)
- d) Decrease of credit from 3 credits to 2 credits for the theory course " Microbiology And Immunology" (22MMLT124R)
- e) Decrease of credit from 2 credits to 1 credit for the practical course " Molecular Biology" (22MMLT125R)

III) It has been resolved that since with the introduction of the techno professional skills, few practical oriented topics could be shifted from the respective theory courses and placed under the techno professional skills. Moreover certain preliminary basic topics that were already a part of the undergraduate curriculum were summarized to avoid repetition.

B. Approval of syllabi for the Techno Professional Skill Courses under various programmes

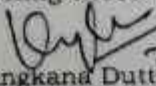
B. The Industry Experts and Subject Experts present in the meeting discussed in detail on the syllabi of the different techno professional skills included under the different programmes and gave suggestions on the same.


- B.**
1. Suggestion was made to include "Artificial Intelligence" as a part of the Techno Professional Skill Course of Radiology Programmes.
 2. For the Techno Professional Skill Course under Bachelor of Medical Laboratory Technology Programme, suggestion was made on inclusion of quality management system, vaccination of technician and post exposure prophylaxis.
 3. Under the department of Emergency & Critical Care all the programmes were asked to include proper and complete syllabus of the Techno Professional Skill Courses with special emphasis on special medical conditions.


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		4. The Techno Professional Skills Syllabus for bachelor of Dialysis Technology was recommended to be written elaborately. Dialysis in Bleeding Disorders was advised to be included in the syllabus.
C. Induction of Industrial Visit in 1 st Semester of each of the programmes.	C. Discussion was done regarding the importance of exposure of newly admitted students to their future work environment.	C. The Committee has resolved to include at least one industrial visit at the starting of the 1 st semester.
D. Inclusion of the word "Unit" in the existing programme name of Bachelor of Critical & Intensive Care Technology	D. As per the request of the National & International students, the Marketing Management of the University had requested the Faculty of Paramedical Sciences, AdtU for the inclusion of the word "Unit" in the existing programme name of Bachelor of Critical & Intensive Care Technology. According to the Marketing division the present nomenclature will have better acceptance in the industry.	D. It has been suggested that the word "Unit" can be included with the new nomenclature being - "Bachelor of Critical & Intensive Care Unit Technology" .

The meeting ended with a vote of thanks to the Chair.



 (Dr. Kangkana Dutta Phukan)
 Member Secretary, BOS
 Faculty of Paramedical Sciences
 Assam down town University


 (Dr. Pratap Chandra Sarma)
 Chairperson, BOS
 Faculty of Paramedical Sciences
 Assam down town University

Copy to:

1. OSD to Vice Chancellor, AdtU.
2. OSD to Pro Vice Chancellor, AdtU.
3. PS to Dean of Studies, AdtU.
4. The Resident Trustee, AdtU.
5. Mr. Nitul Jyoti Das, Dy Registrar (Academic), AdtU.
6. Mr. Ruhit Jyoti Konwar, Dy. Registrar (Academic), AdtU.
7. IQAC, AdtU.
8. All the Members
9. Office File.


 Chairperson


 Dean, Faculty of
 Paramedical Science
 Assam down town University

COMMITTEE NAME	DATE	TIME
BOARD OF STUDIES (BOS)	09.01.2023	11am - 1pm
MEETING NO: 1		
The following members were present in the meeting:		
<u>OFFLINE</u>		
<ol style="list-style-type: none"> 1. Dr . P.C. Sarma 2. Prof. Abhijit Dutta 3. Mr. Rakibul Hassan Khan 4. Mr. Aquib Mustaq 5. Mr. Purba Prasad Borah 6. Dr. Kangkana Dutta Phukan 7. Ms. Varsha Patwary 8. Dr. Nayan Talukdar 		
<u>ONLINE</u>		
<ol style="list-style-type: none"> 1. Dr. Himamoni Deka 2. Mr. Jibon Sharma 3. Dr. Binoy Kr. Choudhury 4. Dr. Manabendra Nayak 5. Dr. Biju Dutta Choudhury 6. Dr. Imliwati Longkumer 		
REPORT:		
<ol style="list-style-type: none"> 1. The meeting started with an introduction by the Chairperson Dr. P.C. Sarma, highlighting the proposed agendas. 2. The syllabus submitted by the Programme Coordinators (PCs) under various programs to the Board of Studies were checked for all the new additional courses and techno professional skills syllabus by the committee members and modifications as per needed were advised. 3. 'Critical and Intensive Care Technology' under the Emergency Critical Care (ECC) programme proposed to change from its present name to 'Critical and Intensive Care Unit'. 4. Discuss about induction of industrial visit in the 1st semester of each of the programs 		

Kangkana Dutta Phukan
Member Secretary

Dr. Kangkana Dutta Phukan

Dr. Manabendra Nayak

Dean, Faculty of
Paramedical Science
Assam down town University



**PROPOSED AGENDA FOR FIRST BOARD OF STUDIES MEETING OF
FACULTY OF PARAMEDICAL SCIENCES FOR THE YEAR 2023**

I. ITEMS FOR APPROVAL

1. Introduction by chair person
2. Syllabus as per revised curriculum for undergraduate and post graduate programs of FPMS
3. Syllabus for techno professional skills under various programs
4. Induction of industrial visit in the 1st semester of each of the programs

II. ITEMS FOR REPORTING

1. MoU with different hospitals of Guwahati city for the clinical postings of the various programs

**III. OTHER AGENDA ITEMS IF ANY WITH THE PERMISSION OF
THE CHAIR**

down town University

OFFICE OF THE REGISTRAR

Gandhinagar, Panikhaiti, Guwahati-26

(Permission Granted Via The ASSAM ACT, NO. VIII OF 2010, Gazette No. LGL9/2010/11)
An ISO 9001:2015 certified & NAAC accredited University

Memo No: AdtU/R/2022/703

Date: 21/12/2022

Notification

Reconstitution of Board of Studies for Faculty of Paramedical Sciences

As directed by the competent authority and reference to the notification No: AdtU/ DRA-II/2022/14 dated 20/10/2022 this is to notify all concerned that the Board of Studies, for Faculty of Paramedical Sciences has been reconstituted with the following members for the academic year 2022-23 and 2023-24.

Sl. No.	Name	Designation	Designation in the BoS Committee
1	Dr. P.C. Sarma	Chairperson, Faculty of Sciences & Paramedical Sciences	Chairperson
	Prof. Abhijit Dutta	Professor and Dean, Faculty of Paramedical Sciences	Member
Subject Expert:			
1	Dr. Himamoni Deka	Asso. Prof., Deptt. of Anatomy, GMC	Member
2	Mr. Jibon Sharma	Sr. Medical Physicist cum RSO, State Cancer Institute, GMC	Member
3	Dr. Binoy Kr. Choudhury	Prof. & HoD, Radiodiagnosis BBCL, Guwahati	Member
One representative from associate Professor:			
One representative from Asstt. Professor:			
1	Mr. Rakibul Hassan Khan	Assistant Professor, Faculty of Paramedical Sciences	Member
Member nominated by the Chancellor:			
1	Dr. Manabendra Nayak	Dy. Superintendent, down town hospital	Member
Member nominated by the Vice Chancellor:			
1	Mr. Aquib Mustaq	Assistant Prof., Faculty of Paramedical Sciences	Member
Member nominated by the Dean of Studies:			
1	Dr. Swapnav Borthakur	Dy. Superintendent, down town hospital	Member
Member nominated by the Pro-Vice Chancellor:			
1	Mr. Purba Prasad Borah	Dy. Director, IQAC, AdtU	Member
Member Secretary:			
1	Dr. Kangkana Dutta Phukan	Associate Professor, Faculty of Paramedical Sciences	Member Secretary
Representative of Alumni:			
1	Mr. Prasenjit Deb	Assistant Professor, ICFAI University Tripura	Special invitee
2	Ms. Mayuri Gogoi	Radiographer, Fakaruddin Ali Ahmed Cancer Hospital Barpeta Assam	Special invitee

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Representative of students:

1	Mr. Dhiraj Deka	Student, 5 th Sem., Deptt. of Radiology, AdtU	Special invitee
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Faculty representative from the concerned allied subject as applicable:

1	Ms. Varsha Patwary	Training & Development, AdtU	Special invitee
2	Dr. Nayan Talukdar	Asstt. Prof. Faculty of Science (Physics) AdtU	Special invitee

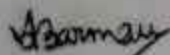
Industry Expert:

1	Dr. Nirod Medhi	Managing Director, PRIMUS	Special invitee
2	Dr. Biju Dutta Choudhury	Academic Director, Health City Hospital	Special invitee
3	Dr. Imliwati Longkumer	Biochemist, NECHRI	Special invitee

Terms of Reference-

- The terms of reference of the BOS as per the circular issued vide Memo No: AdtU/DRA/2021/164 Dated 11/11/2021.
- The constitution of the BOS is as per notification No: AdtU/ DRA-II/2022/14 dated 20/10/2022
- The quorum for the BOS is 2/3.
- The meeting of BOS will be conducted in Hybrid mode.

Issued with due approval of the competent authority.



(Ashim Barman)

Additional Registrar (Administration),
Assam down town University.

Copy for favour of their information to:

1. OSD to Vice Chancellor, AdtU
2. OSD to Pro Vice Chancellor, AdtU
3. P.S. to Dean of Studies, AdtU
4. P.S to Managing Trustee, dtCT
5. P.S to Resident Trustee, dtCT
6. Chairperson /Dean/Member Secretary (For circulation and necessary information to all the members)
7. Office of the Controller of Examinations, AdtU
8. All Officers (Admin/Academic/IT/Accounts/Admission/Marketing/Legal/Placement/Library/T&D)
9. HR Office
10. IQAC
11. Notice Boards/Message Desk (For display)
12. Office file (for record)

Minutes of the 9th BoS meeting held on date 17/08/2022 at 10.00 AM in the office of the Dean, Faculty of Science, Assam down town University.

The following members were present:

Prof. L N Kakati	Dean, Faculty of Science	Chairman
Dr. Suresh Deka	Advisor, Faculty of Science	Member
Prof. M. C. Kalita	Department of Biotechnology, Gauhati University	External Expert
Prof. Rajeev Sarmah	Professor, Biotechnology, Faculty of Science.	Member
Dr. Minakshi Bhattacharjee	Associate Professor, Biotechnology, Faculty of Science	Member
Dr. Nayan Talukdar	Associate Professor, Biotechnology, Faculty of Science	Member
Dr. Devabrata Saikia	Assistant Professor, Biotechnology, Faculty of Science	Member
Dr. Partha Pratim Kalita	Assistant Professor, Biotechnology, Faculty of Science	Member
Dr. Laishram Shantikumar. Singh	Associate Professor, Biotechnology, Faculty of Science	Member
Dr. Anjan Kumar Sarma	Assistant Professor, Botany, Faculty of Science	Member Secretary

Welcome address by Chairman

The Chairman welcomed all the members and declared the meeting opened.

Item No 1: To consider the syllabus of M. Sc. Biotechnology and B. Sc. Biotechnology

The course structure containing PO's & CO's was presented by the Program Coordinator of Biotechnology before the committee. The structure of the program along with detailed syllabus was discussed thoroughly. The omission and commission as suggested by expert were executed in the same meeting. The recommended course PO's, CO's and the course layout are for the session 2022-2023; the newly introduced courses are highlighted as below. The omission and

Rajeev Sarmah
RAJEEV SARMAH
Dr. Anjan Kumar Sarma

commission in the content are highlighted and the detailed syllabus is included in the syllabus file of 2022-2023. The committee members unanimously recommended the PO's, CO's and the course layout including detailed syllabus for AC approval.

SEMESTER WISE COURSE DISTRIBUTION

B. Sc. Biotechnology

S. N.	Course Code	Course Title	Category	Engagement							Maximum Marks				
				L	T	P	S	R	O	C	IA	SEE	PE	Total	
Semester I	1. 22BSBT111R	Cell biology	DC	3	0	2	0	0	0	0	4	40	60	100	200
	2. 22BSBT112R	General microbiology	DC	3	0	2	0	0	0	0	4	40	60	100	200
	3. 22BSBT113R	Bio-molecules	DC	3	0	2	0	0	0	0	4	40	60	100	200
	4. 22BSBT114R	Basic chemistry	DC	3	0	0	0	0	0	0	3	40	60	0	100
	5. 22UBPD113R	Introductory English	UE	0	0	4	0	0	0	0	2	0	0	100	100
	6. 22UBEC111	Ex-curricular (non-CGPA)	UC	0	0	0	4	0	0	0	1	0	0	0	0
Total											18				800

S. N.	Course Code	Course Title	Category	Engagement							Maximum Marks				
				L	T	P	S	R	O	C	IA	SEE	PE	Total	
Semester II	1. 22BSBT121R	Genetics	DC	3	0	2	0	0	0	0	4	40	60	100	200
	2. 22BSBT122R	Applied biochemistry	DC	3	0	2	0	0	0	0	4	40	60	100	200
	3. 22BSBT123R	Biophysical chemistry	DC	3	0	0	0	0	0	0	3	40	60	0	100
	4. 22BSBT124R	Bioinstrumentation	DC	2	0	2	0	0	0	0	3	40	60	0	100
	5. 22UBES101R	Environmental Studies	UE	2	0	0	0	0	0	0	2	40	60	0	100
	6. 22UBPD123R	Implicative English	UE	0	0	4	0	0	0	0	2	0	0	100	100
	7. 22UBCC121	Co-curricular (non-CGPA)	UC	0	0	0	4	0	0	0	1	0	0	0	0
	8. 22UBEC121	Ex-curricular (non-CGPA)	UC	0	0	0	4	0	0	0	1	0	0	0	0
	9. 22BSBT125R	TP skill-I	PC	0	0	2	0	0	0	0	1	0	0	100	100
	10. 22BSCE111R	MOOCs I	FE	0	0	4	0	0	0	0	2	0	0	100	100
	11. 22UCDL103R	Computational Systems and Digital World	UE	0	0	2	0	0	0	0	1	0	0	100	100
	12. 22UUF1202R	Personal Financial planning	UE	0	0	2	0	0	0	0	1	0	0	100	100
Total											24				1100

Semester	S. N.	Course Code	Course Title	Category	Engagement							Maximum Marks			
					L	T	P	S	R	O	C	IA	SEE	PE	Total

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Dean
Faculty of Science
Jawahar Education Society's
University

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1.	22BSBT211 R	Immunology	PC	3	0	4	0	0	0	0	5	40	60	100	200
2	22BSBT212 R	Molecular biology	PC	3	0	2	0	0	0	0	4	40	60	100	200
3	22BSBT213 R	Developmental biology	PC	3	0	0	0	0	0	0	3	40	60	0	100
4	22UBPD213 R	Proficient communication	UE	0	0	4	0	0	0	0	2	0	0	100	100
5	22UBCC211	Co-curricular (non-CGPA)	UC	0	0	0	4	0	0	0	1	0	0	0	0
6	22UBEC211	Ex-curricular (non-CGPA)	UC	0	0	0	4	0	0	0	1	0	0	0	0
7	22UUHV10 1R	UHV+professional ethics	UC	1	0	2	0	0	0	0	2	40	60	100	200
8	22BSBT219 R	TP skill-II	PC	0	0	2	0	0	0	0	1	0	0	100	100
9	22BSBT211 0R	Generic elective	UE	2	0	0	0	0	0	0	2	40	60	0	100
10	22UULS202 R	Basic lifesaving skills (BLSS)	UE	1	0	2	0	0	0	0	1	0	0	100	100
Total											22				1200

S. N.	Course Code	Course Title	Category	Engagement							Maximum Marks				
				L	T	P	S	R	O	C	IA	SEE	PE	Total	
1	22BSBT221 R	Genetic engineering	PC	3	0	4	0	0	0	0	5	40	60	100	200
2	22BSBT222 R	Biostatistics	PC	3	0	0	0	0	0	0	3	40	60	0	100
3	22BSBT223 R	Bioinformatics and computer applications	PC	2	0	2	0	0	0	0	3	40	60	100	200
4	22UBPD21 3R	Campus to Corporate	UE	0	0	4	0	0	0	0	2	0	0	100	100
5	22UBCC22 1	Co-curricular (non-CGPA)	UC	0	0	0	4	0	0	0	1	0	0	0	100
6	22UBEC22 1	Ex-curricular (non-CGPA)	UC	0	0	0	4	0	0	0	1	0	0	0	100
7	22BSBT224 R	TP skill-III	PC	0	0	2	0	0	0	0	1	40	60	0	100
8	22BSBT225 R	Generic elective	UE	2	0	0	0	0	0	0	2	40	60	0	100
9	22BSCE221 R	MOOCs-II	FE	0	0	4	0	0	0	0	2	0	0	100	100
10	22UULS201 R	BASIC ACCLIMATIZING SKILLS (BAS)	UE	0	0	2	0	0	0	0	1	0	0	100	100
Total											22				1300

S. N.	Course Code	Course Title	Category	Engagement							Maximum Marks				
				L	T	P	S	R	O	C	IA	SEE	PE	Total	
1.	22BSBT311 R	Medical Biotechnology	PC	3	0	4	0	0	0	0	5	40	60	100	200
2	22BSBT312 R	Industrial Biotechnology	PC	3	0	2	0	0	0	0	4	40	60	100	200
3	22BSBT313 R	Animal Biotechnology	PC	3	0	2	0	0	0	0	4	40	60	100	200
4	22BSBT314 R	Plant and agriculture biotechnology	PC	3	0	4	0	0	0	0	5	40	60	100	200

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5	22BSBT315 R	Research project part I	PC	0	0	0	0	12	0	2	0	0	0	100
6	22BSBT316 R	TP skill-IV	UC	0	0	0	4	0	0	1	0	0	0	100
7	22BSCE311 R	MOOCs-III	FE	0	0	4	0	0	0	2	0	0	100	100
Total										24				1100

S. Course Code N.	Course Title	Category	Engagement							Maximum Marks			Total	
			L	T	P	S	R	C	C	IA	SEE	PE		
1. 22BSBT321R	Research methodology, bioethics and IPR	PC	4	0	0	0	0	0	0	4	40	60	0	100
2. 22BSBT322R	Research project part II	PC	0	0	0	0	36	0	6	0	0	0	100	
4. 22BSCE321R	MOOCs-IV	FE	0	0	4	0	0	0	2	0	0	100	100	
Total										12				300

M. Sc. Biotechnology

S. N.	Course Code	Course Title	Course Category	Engagement							Maximum Marks for			
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22MSBT111R	Bioinstrumentation	PC	3	0	2	0	0	0	4	40	60	100	200
2.	22MSBT112R	Biochemistry	PC	3	0	2	0	0	0	4	40	60	100	200
3.	22MSBT113R	Cell biology	PC	3	0	2	0	0	0	4	40	60	100	200
4.	22MSBT114R	Microbiome and microbial techniques	PC	3	0	2	0	0	0	4	40	60	100	200
5.	22UMFS111R	Fundamental of Statistics	UC	2	0	2	0	0	0	3	40	60	100	200
6.	22MSBT115R	Mini Research - R1	UC	0	0	0	4	6	0	2	50	0	50	100
7.	22UMPD111R	Effective English	UE	0	0	4	0	0	0	2	50	0	50	100
8.	22MSCE111R	MOOCs-I	FE	2	0	0	0	0	0	2	0	0	100	100
Total										25				1300

S. No.	Course Code	Course Title	Course Category	Engagement							Maximum Marks for			
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22MSBT121R	Immunology	PC	3	0	2	0	0	0	4	40	60	100	200

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2	22MSBT122 R	Molecular biology, genomics and genetic engineering	PC	3	0	2	0	0	0	4	40	60	100	200
3	22MSBT123 R	Bioinformatics	PC	2	0	2	0	0	0	3	40	60	100	200
4	22MSBT124 R	Generic elective	UE	2	0	0	0	0	0	2	40	60	0	100
5	22MSBT125 R	Techno-professional skill-I	PC	0	0	4	0	0	0	2	0	0	100	100
6	22MSCE121 R	MOOCs-II	FE	2	0	0	0	0	0	2	0	0	100	100
7	22UMRM121 R	Research methodology and Statistical Analysis	UC	1	0	4	0	0	0	2	40	60	100	200
8	22MSBT127 R	Mini Research (Research gap analysis-R2)	UC	0	0	0	4	6	0	2	50	00	50	100
9	22UHV101 R	Universal Human Values	UC	1	0	2	0	0	0	2	40	60	100	200
10	22UMPD121 R	Communication Mastery	UE	0	0	4	0	0	0	2	50	0	50	100
11	22UCDL103 R	Computational systems and digital world	UE	0	0	2	0	0	0	1	0	0	100	100
12	22UUFL202R	Personal financial planning	UE	0	0	2	0	0	0	1	0	0	100	100
Total										27				1600

S. No.	Course Code	Course Title	Course Category	Engagement							Maximum Marks for			
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
				1.	22MSBT214 R	Techno-Professional Skills II	PC	0	0	4	0	0	0	2
2	22MSCE211 R	MOOCs-III	PC	2	0	0	0	0	0	2	0	0	100	100
3	22MSCE212 R	MOOCs-IV	PC	2	0	0	0	0	0	2	0	0	100	100
4	22MSBT216 R	Generic elective	UE	2	0	0	0	0	0	2	0	0	100	100
5	22UMRE211 R	Research Ethics	UC	0	0	0	4	0	0	1	50	0	50	100
6	22UMPD211 R	Corporate Competency	UE	0	0	4	0	0	0	2	50	0	50	100

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7	22MSBT215 R	MINI RESEARCH (SURVEY/EXPERIMENTS)-R3	PC	0	0	6	4	0	0	4	50	0	50	100
8	22UUFL202R	PERSONAL FINANCIAL PLANNING	UC	0	0	2	0	0	0	1	0	0	100	100
6	Discipline specific elective (DSE): Student has to take any three													
7	22MSBT211 R	Plant and Animal Biotechnology	PC	3	0	2	0	0	0	4	40	60	100	200
8	22MSBT212 R	Medical Biotechnology	PC	3	0	2	0	0	0	4	40	60	100	200
9	22MSBT213 R	Bioprocess and Fermentation Technology	PC	3	0	2	0	0	0	4	40	60	100	200
10	22MSBT214 R	Food Biotechnology	PC	3	0	2	0	0	0	4	40	60	100	200
Total										23				1200

S. N.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for				
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1	22MSBT223 R	Research/data analysis/documentatio n-R4)	PC	0	0	20	8	6	0	13	50	0	50	100
Elective course: Student has to take any two														
2	22MSBT221 R	Organic farming	PC	3	0	2	0	0	0	4	40	60	100	200
3	22MSBT224 R	Agriculture Biotechnology	PC	3	0	2	0	0	0	4	40	60	100	200
4	22MSBT222 R	Environmental Biotechnology	PC	3	0	2	0	0	0	4	40	60	100	200
Total										21				500

Member Secretary

Chairman

Dean

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Minutes of the 11th BOS meeting held on date 22/08/2022 at 10.00 AM in the office of the Dean, Faculty of Science, Assam down town University.

The following members were present:

Prof. L. N. Kakati	Dean, Faculty of Science	Chairman
Prof. Suresh Deka	Advisor, Faculty of Science	Member
Prof. D. K. Jha	Department Of Microbiology, Gauhati University	External Expert
Dr. Manash Pratim Sarma	Associate Professor, Faculty of Science	Member
Dr. Prasenjit Bhagawati	Assistant Professor, Botany, Faculty of Science	Member
Dr. Seydur Rahman	Assistant Professor, Zoology, Faculty of Science	Member
Dr. Anjan Kumar Sarma	Assistant Professor, Zoology, Faculty of Science	Member
Dr. Mrinal Kuman Das	Assistant Professor, Zoology, Faculty of Science	Member Secretary

Welcome address by Chairman

The Chairman welcomed all the members and declared the meeting opened.

Item No 1: To consider the syllabus of M. Sc. Botany

The course structure containing PO's & CO's was presented by the Program Coordinator of Botany before the committee. The structure of the program along with detailed syllabus was discussed thoroughly. The omission and commission as suggested by expert were executed in the same



meeting. The recommended course PO's, CO's and the course layout are for the session 2022-2023; the newly introduced courses are highlighted as below. The omission and commission in the content are highlighted and the detailed syllabus is included in the syllabus file of 2022-2023. The committee members unanimously recommended the PO's, CO's and the course layout including detailed syllabus for AC approval.

Faculty of Study		Faculty of Science														
Programme Name		Master of Botany														
Session		2022-24														
Semester		I														
Sl. No	Course Title	Course Code	Category I	Category II	Category III	Credit	L	T	P	S	R	O	ISA [Theory]	ESA [Theory]	Max End Sem Practical Marks	Total Marks
1	Plant Diversity-I	22MSBO111R	PC	-	-	4	3	0	2	0	0	0	40	60	100	200
2	Plant Diversity-II	22MSBO112R	PC	-	-	4	3	0	2	0	0	0	40	60	100	200
3	Plant Ecology and Phytogeography	22MSBO113R	PC	-	-	4	3	0	2	0	0	0	40	60	100	200
4	Histoinstrumentation	22MSBO114R	PC	-	-	2	2	0	0	0	0	0	40	60		100
5	Field study-I	22MSBO115R	PC	-	-	2	0	0	0	4	8	0	0	0	100	100
6	Mini Research (Review of literature-R1)	22MSBO116R	UC	VAC	SEC	2	0	0	0	4	8	0	0	0	100	100
7	Fundamental of Statistics	22UMFS111R	EC	VAC	SEC	3	2	0	2	0	0	0	40	60	100	200

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8	PDP-I	22UMPD111R	UE	AEC	SEC	2	0	0	4	0	0	0	-	-	100	100	
9	MOOCs-CEI	22MSCE111R	FE			2	0	0	4	0	0	0	0	0	100	100	
		Total Credits	25				Total Marks										1300

Faculty of Study		Faculty of Science														
Programme Name		Master of Botany														
Session		2022-24														
Semester		2														
Sl. No	Course Title	Course Code	Category I	Category II	Category III	Credit	L	T	P	S	R	O	ISA [Theory]	ESA [Theory]	Max EndSem Practical Marks	Total Marks
1	Plant cell, Genetics and Plant Breeding	22MSBO121R	PC			4	3	0	2	0	0	0	40	60	100	200
2	Microbiology and Plant Pathology	22MSBO122R	PC			4	3	0	2	0	0	0	40	60	100	200
3	Plant Physiology and Biochemistry	22MSBO123R	PC			4	3	0	2	0	0	0	40	60	100	200
4	Techno-Professional Skills I	22MSBO124R	PC	AEC	AECC	2	0	0	4	0	0	0	0	0	100	100
5	Mini Research (Research gap analysis-R2)	22MSBO125R	UC	VAC	SEC	3	0	0	0	4	0	16	0	0	100	100
6	Generic Elective		UE			2	2	0	0	0	0	0	40	60		100

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7	Research methodology and Statistical Analysis	22UMRM121R	UC	VAC	SEC	2	1	0	0	4	0	0	40	60	100	200
8	Universal Human Values	22UHV101R	UC	VAC	SEC	2	1	0	2	0	0	0	40	60	100	200
9	PDP-II	22UMPD121R	UE	AEC	SEC	2	0	0	4	0	0	0	0	0	100	100
10	MOOCS-CE II	22MSCE121R	FE			2	2	0	0	0	0	0	40	60	0	100
11	Computational systems and Digital World	22UCDL103R	UC	VAC	SEC	1	0	0	2	0	0	0	0	0	100	100
Total Credits						28	Total Marks									1600

Faculty of Study		Faculty of Science														
Programme Name		Master of Botany														
Session		2022-24														
Semester		3														
Sl. No.	Course Title	Course Code	Category I	Category II	Category III	Credit	L	T	P	S	R	O	ISA Marks [Theory]	ESA Marks [Theory]	Max End Sem Practical Marks	Total Marks
1	MOOCS-CE III	22MSCE211R	FE	-	-	2	2	0	0	0	0	0	40	60	0	100
2	MOOCS-CE IV	22MSCE212R	FE	-	-	2	0	0	4	0	0	0	40	60	0	100
3	Techno-Professional Skills II	22MSBO211R	PC	AEC	AECC	2	0	0	4	0	0	0	0	0	100	100
4	Generic Elective		UE			2	2	0	0	0	0	0	40	60	0	100

5	Research Ethics	22UMRM211R	UC	VAC	SEC	2	2	0	0	0	0	0	0	40	60	0	100
6	Mini-Research (Survey/experiments)-R3	22MSBO212R	UC	VAC	SEC	4	0	0	6	4	0	0	0	0	0	100	100
7	PDF-III	22UMPD211R	UE	AEC	SEC	2	0	0	4	0	0	0	0	0	0	100	100
Choose 3 nos. of courses from the following																	
8	Floral morphology, Embryology and palynology	22MSBO213R	DE			4	3	0	2	0	0	0	0	40	60	100	200
9	Economic Botany and Pharmacognosy	22MSBO214R	DE			4	3	0	2	0	0	0	0	40	60	100	200
10	Plant Molecular Biology and Biotechnology	22MSBO215R	DE			4	3	0	2	0	0	0	0	40	60	100	200
11	Plant anatomy, microtechnique & evolution	22MSBO216R	DE			4	3	0	2	0	0	0	0	40	60	100	200
Total Credit						28										Total Marks	1300

Faculty of Study	Faculty Science																
Programme Name	Master of Botany																
Session	2022-24																
Semester	4																
SN	Course Title	Course Code	Category I	Category II	Category III	Credit	L	T	P	S	R	O	ISA [Theory]	ESA [Theory]	Max End Sem Practical Marks	Total Marks	

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1	Research/data analysis/documentation -R4)	22MSBO221 R	UC			12	0	0	20	8	4	0	0	0	100	100
Elective Papers (Choose any one of the following)																
Group 1 Elective Papers																
1	Microbiology -I	22MSBO222 R	PE			4	3	0	2	0	0	0	40	60	100	200
2	Microbiology -II	22MSBO223 R	PE			2	2	0	0	0	0	0	40	60	0	100
Group 2 Elective Papers																
1	Plant Ecology-I	22MSBO222 R	PE			4	3	0	2	0	0	0	40	60	100	200
2	Plant Ecology-II	22MSBO223 R	PE			2	2	0	0	0	0	0	40	60	0	100
Group 3 Elective Papers																
1	Angiosperm Taxonomy - I	22MSBO222 R	PE			4	3	0	2	0	0	0	40	60	100	200
2	Angiosperm Taxonomy - II	22MSBO223 R	PE			2	2	0	0	0	0	0	40	60	0	100
						Total credit							18	Total Marks		400

Member Secretary



Chairman

Minutes of the 10th BOS meeting held on date 18/08/2022 at 10.00 AM in the office of the Dean, Faculty of Science, Assam down town University.

Prof. L N Kakati	Chairperson	Chairman
Prof. Suresh Deka	Advisor, Faculty of Science	Member
Prof. Mamoni Das	Professor, Assam Agricultural University	External Expert
Prof. Rajeev Sarmah	Professor, Biotechnology, Faculty of Science	Member
Dr. Devabrata Saikia	Assistant Professor, Biotechnology, Faculty of Science	Member
Dr. Vivekanandini Devi	Assistant Professor, FND, Faculty of Science	Member
Dr. Prasenjit Bhagawati	Assistant Professor, Botany, Faculty of Science	Member
Miss. Daisy Sharma	Assistant Professor, FND, Faculty of Science	Member
Miss Jasmine Islam	Assistant Professor, FND, Faculty of Science	Member
Dr. Radali Duarah	Assistant Professor, FND, Faculty of Science	Member Secretary

Welcome address by Chairman

The Chairman welcomed all the members and declared the meeting opened.

Item No 1: To consider the syllabus of B. Sc, FND and M. Sc. FND

The course structure containing PO's & CO's was presented by the Program Coordinator of FND before the committee. The structure of the program along with detailed syllabus was discussed thoroughly. The omission and commission as suggested by expert were executed in the same meeting. The recommended course PO's, CO's and the course layout are for the session 2022-2023; the newly introduced courses

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are highlighted as below. The omission and commission in the content are highlighted and the detailed syllabus is included in the syllabus file of 2022-2023. The committee members unanimously recommended the PO's, CO's and the course layout including detailed syllabus for AC approval.

M Sc. FND

S. N.	Course Code	Course Title	Course Category	Engagement							C	Maximum Marks for			Total
				L	T	P	S	R	O	IA*		SEE*	PE*		
Semester I	1.	22MSFD111R	MACRONUTRIENTS	PC	3	0	0	0	0	0	3	40	60	0	100
	2	22MSFD112R	HUMAN PHYSIOLOGY	PC	3	0	0	0	0	0	3	40	60	0	100
	3	22MSFD113R	NUTRITIONAL BIOCHEMISTRY I	PC	3	0	0	0	0	0	3	40	60	0	100
	4	22MSFD114R	ADVANCE FOOD SCIENCE	PC	3	0	2	0	0	0	3+1	40	60	100	200
	5	22MSFDCE111R	MOOCS-CE I	FE	0	0	4	0	0	0	2	0	0	100	100
	6	22UMFS111R	FUNDAMENTAL OF STATISTICS	UC	2	0	2	0	0	0	3	40	60	100	200
	7	22MSFD115R	MINI RESEARCH (R1)	PC	0	0	0	4	8	0	2	0	0	0	100
	8	22UMPD111R		UE	0	0	4	0	0	0	2	0	0	0	100
Total										22					
S. No.	Course Code	Course Title	Course Category	Engagement							C	Maximum Marks for			Total
				L	T	P	S	R	O	IA*		SEE*	PE*		
Semester II	1.	22MSFD121R	MICRONUTRIENTS	PC	3	0	0	0	0	0	3	40	60	0	100
	2	22MSFD122R	NUTRITIONAL BIOCHEMISTRY II	PC	3	0	2	0	0	0	3+1	40	60	100	200
	3	22MSFD123R	PUBLIC NUTRITION	PC	3	0	2	0	0	0	3+1	40	60	100	200
	4	22MSFD124R	FOOD MICROBIOLOGY AND FOOD SAFETY	PC	3	0	0	0	0	0	3	40	60	0	100
	5	22MSFD125R	PACKAGING TECHNOLOGY	PC	0	0	2	0	0	0	1	0	0	100	100
	6	22UMPD121R	COMMUNICATION MASTERY (Communicative English & Soft Skills)	UE	0	0	4	0	0	0	2	0	0	0	100
	7	22MSFD126R	GENERIC ELECTRIC	UE	2	0	0	0	0	0	2	40	60	0	100

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8	22UUHV101R	UNIVERSAL HUMAN VALUES	UC	0	0	0	4	0	0	1	0	0	0	100
9	22UMRM121R	RESEARCH METHODOLOGY AND STATISTICAL ANALYSIS	UC	1	0	0	4	0	0	2	40	60	0	200
10	22MSFDCE121R	MOOCS-CE II	FE	0	4	0	0	0	0	2	0	0	0	100
11	22MSFD127R	MINI RESEARCH	PC	0	0	0	4	16	0	3	0	0	0	100
12	22UUDL1103R	COMPUTATIONAL SYSTEM AND DIGITAL	UE	0	0	2	0	0	0	4	0	0	0	100
13	22UUFL201R	INTRODUCTION TO FINANCIAL BUDGETING AND	UE	0	0	2	0	0	0	1	0	0	0	100
Total										27				

	Course Code	Course Title	Course Category	Engagement						C	Maximum Marks for			Total
				L	T	P	S	R	O		IA*	SEE*	PE*	
1.	22UMPD211R	CORPORATE PROFICIENCY	UE	0	0	4	0	0	0	2	0	0	0	100
2	22MSFD211R	ADVANCE NUTRITION	PC	2	0	0	0	0	0	2	40	60	0	100
3	22MSFD212R	PRODUCT DEVELOPMENT AND	PC	0	0	2	0	0	0	1	40	60	0	100
4	22MSFDCE211R	MOOCS-III	FE	0	0	4	0	0	0	2	0	50	0	
5	22MSFDCE212R	MOOCS-IV	FE	0	0	4	0	0	0	2	0	50	0	
6	22UMRE211R	RESEARCH ETHICS	UC	1	0	0	0	0	0	1	0	0	0	100
7	22MSFD213R	MINI RESEARCH (SURVEY/EXPERIMENT)	PC	0	0	6	4	0	0	4	0	0	0	100
8	22MSFD214R	GENERIC	UE	2	0	0	0	0	0	2	20	30	0	50
Group I														
9	22MSFD215R	APPLIED NUTRITION	DE	3	0	2	0	0	0	3+1	40	60	100	200
10	22MSFD216R	CLINICAL NUTRITION I	DE	3	0	2	0	0	0	3+1	40	60	100	200
Group II														
	22MSFD217R	APPLIED NUTRITION	DE	3	0	2	0	0	0	3+1	40	60	100	200

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22MSFD218R	CLINICAL NUTRITION II	DE	3	0	2	0	0	0	0	3+1	40	60	100	200
Total										24				

S. N.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for			Total	
				L	T	P	S	R	O	C	IA*	SEE*		PE*
1.	22MSFD221R	INTERNSHIP	PC	0	0	0	24	0	0	6	0	0	100	100
2	22MSFD222R	RESEARCH/DATA ANALYSIS/DOCUMENTATION-R4	UC	0	0	20	4	6	0	12	40	60	0	100
3	22MSFDCE221R	MOOCS-V	FE	3	0	0	0	0	0	3	40	60	0	100
Group I														
Total										21				

B. Sc. FND

S. N.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for				
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22BSFD111R	BASICS OF FOOD SCIENCE	CORE	3	0	2	0	0	0	4	40	60	100	200
2	22BSFD112R	HUMAN NUTRITION	CORE	3	0	0	0	0	0	3	40	60	0	100
3	22BSFD113R	NUTRITION THROUGH LIFE CYCLE	CORE	3	0	0	0	0	0	3	40	60	0	100
4	22BSFD114R	BASICS OF HUMAN PHYSIOLOGY	CORE	3	0	0	0	0	0	3	40	60	0	100
5	22UBPD113R	PDPI	UE	0	0	4	0	0	0	2	0	0	100	100
6	22UBEC111	EXTRA-CURRICULAR	CE	0	0	0	4	0	0	1	0	0	100	100
Total										16				

S. No.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for				
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22BSFD121R	FOOD SANITATION & HYGEINE	CORE	3	0	0	0	0	0	3	60	40	0	100
2	22BSFD122R	APPLIED FOOD SCIENCE	CORE	3	0	2	0	0	0	4	60	40	100	200

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3	22BSFD123R	FOOD PRESERVATION	CORE	3	0	2	0	0	0	4	60	40	100	200
4	22BSFD124R	ADV. HUMAN PHYSIOLOGY	CORE	3	0	0	0	0	0	3	60	40	0	100
5	22BSFD125R	TECHNIQUE OF FOOD PRESERVATION	PC	0	0	2	0	0	0	1	0	0	100	100
6	22UBPD123R	PDP II	UE	0	0	0	4	0	0	1	0	0	100	100
7	22BSFD126R	EVS	UC	2	0	0	0	0	0	2	20	30	0	50
8	22I BCC121	CO-CURRICULAR	UC	0	0	0	0	4	0	1	0	0	0	0
9	22UBEC121	EXTRA-CURRICULAR	UC	0	0	0	0	4	0	1	0	0	0	0
	22SFD127R	MOOCs	SE/FE	1	0	0	0	0	0	1	0	0	0	0
Total										21				

S. No.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for				
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22BSFD211R	INSTITUTIONAL FOOD SERVICE MANAGEMENT	CORE	3	0	0	0	0	0	3	60	40	0	100
2	22BSFD212R	FOOD TECHNOLOGY	CORE	3	0	2	0	0	0	4	60	40	100	200
3	22BSFD213R	NUTRITIONAL BIOCHEMISTRY	CORE	3	0	2	0	0	0	4	60	40	100	200
4	22BSFD214R	FOOD MICROBIOLOGY	CORE	3	0	2	0	0	0	4	60	40	100	200
5	22BSFD215R	BAKERY SCIENCE	PC	0	0	2	0	0	0	1	0	0	100	100
6	22U BPD213R	PDP III	UE	0	0	0	4	0	0	1	0	0	100	100
7	22UBCC211	CO-CURRICULAR	UC	0	0	0	0	4	0	1	0	0	0	0

8	22UUV101R	UHV+PROFESSIONAL ETHICS	UC	1	0	2	0	0	0	2	20	30	100	200
9	22UBEC211	EXTRA-CURRICULAR	UC	0	0	0	0	4	0	1	0	0	0	0
10	0	GENERIC ELECTIVE	UE	2	0	0	0	0	0	2	20	30	0	50
Total										24				

S. No.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for				
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22BSFD221R	ADV. FOOD TECHNOLOGY	CORE	3	0	2	0	0	0	4	60	40	100	200
2	22BSFD222R	BASIC DIETETICS	CORE	3	0	2	0	0	0	4	60	40	100	200
3	22BSFD223R	COMMUNITY NUTRITION	CORE	3	0	2	0	0	0	4	60	40	100	200
4	22BSFD224R	ACADEMIC/RESEARCH AND CAREER COUNSELING	PC	2	0	0	0	0	0	2	20	30	0	50

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5	22BSFD225R	COMMUNITY EXPERIENCE LEARNING (CEL)	PC	0	0	2	0	0	0	1	0	0	100	100
6	22UBPD223R	PDP IV	UE	0	0	0	4	0	0	2	0	0	100	100
7	22UBCC221	CO-CURRICULAR	UC	0	0	0	0	4	0	1	0	0	0	0
8	22UBEC221	EXTRA-CURRICULAR	UC	0	0	0	0	4	0	1	0	0	0	0
9	22BSFD226R	MOOCS	SE/FE	1	0	0	0	0	0	1	20	30	0	50
10	0	GENERIC ELECTIVE	UE	2	0	0	0	0	0	2	20	30	0	50
Total										22				

S. No.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for			Total	
				L	T	P	S	R	O	C	IA*	SEE*		PE*
1.	22BSFD311R	ADV. DIETETICS & COUNSELING	CORE	3	0	2	0	0	0	4	60	40	100	200
2	22BSFD312R	FOOD PRODUCT DEVELOPMENT	CORE	3	0	2	0	0	0	4	60	40	100	200
3	22BSFD313R	ENTREPRENEURSHIP DEVELOPMENT	CORE	3	0	0	0	0	0	3	60	40	0	100
4	22BSFD314R	DIET COUNSELING AND PATIENT CARE	PC	0	0	2	0	0	0	2	0	0	50	50
5	22BSFD315R	RESEARCH PROJECT PART I	PE	0	0	4	0	0	0	2	0	0	50	50
6	22BSFD316R	MOOCS	SE/FE	2	0	0	0	0	0	2	20	30	0	50
7	22BSFD317R	45 DAYS INTERNSHIP ((HOSPITAL/FOOD INDUSTRIES)	PC	0	0	0	0	48	0	6	0	0	100	100
Total										22				

S. No.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for			Total	
				L	T	P	S	R	O	C	IA*	SEE*		PE*
1.	22BSFD321R	GERIATRIC AND PEDIATRIC NUTRITION	CORE	2	0	0	0	0	0	2	20	30	0	50
2	22BSFD322R	45 DAYS INTERNSHIP (HOSPITAL/FOOD INDUSTRIES)	PC	3	0	0	0	0	0	4	60	40	100	200
3	22BSFD323R	RESEARCH PROJECT PART II	PC	0	0	12	0	48	0	6	0	0	0	100
4	22BSFD3224R	MOOCS	PE/FE	1	0	0	0	0	0	1	20	30	0	50
Total										15				

Member Secretary



Chairman

Dean

Faculty of Science

University



Minutes of the 13th BOS meeting held on date 30/09/2022 at 10.00 AM in the office of the Dean,
Faculty of Science, Assam down town University.

The following members were present:

Prof. L N Kakati	Chairperson	Chairman
Dr.Suresh Deka	Dean of Faculty	Advisor, FoS
Sri Athang Singson	Deputy Director	External Expart
Dr.Rajeev Sarmah	Biotechnology	Member
Dr.Seydur Rahman	Associate Prof. Biotechnology	Member
Dr. Manash Pratim Sarma	Associate Prof. Biotechnology	Member
Dr. Laishram Shantikumar Singh	Associate Prof. Microbiology	Invited Member
Dr. Deep Praksh Parasar	Assistant Professor Biotechnology	Member Secretary

Welcome address by Chairman

The Chairman welcomed al the member and declared the meeting opened.

Item No 1: To consider the syllabus of B. Sc. Forensic Science

The course structure containing PO's & CO's was placed by the Program Coordinator of Biotechnology before the committee. The structure of the program along with the syllabus discussed thoroughly including the modification of the syllabus made by the expert committee in the meeting where student representative were also present. Detail syllabus has been placed in front of the committee for the session 2022-23. The committee members unanimously recommended the PO's, CO's and the course layout including detailed syllabus for AC approval.

Course Distribution in Six Semesters (Three Years)

	S. N.	Course Code	Course Title	Category	Engagement						Maximum Marks				
					L	T	P	S	R	O	C	IA	SE E	PE	Total
Semester I	1.	22BSFS111R	Basics Of Forensic Science	PC	3	0	2	0	0	0	4	40	60	100	200
	2	22BSFS112R	Forensic Psychology	PC	3	0	2	0	0	0	4	40	60	100	200
	3	22BSFS113R	Fundamentals of Forensic Biology	PC	3	0	2	0	0	0	4	40	60	100	200
	4	22BSFS114R	Fundamentals of Forensic Physics	PC	3	0	2	0	0	0	4	40	60	0	200
	5	22UBPD112R	PDP (Communicative	UE	0	0	4	0	0	0	2	0	0	100	100

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		English & Soft Skills)												
6	22UBEC111	Extra-Curricular	UC	0	0	0	4	0	0	1	0	0	0	0
Total				12	0	12	4	0	0	19				900

S. Course CodeN.	Course Title	Category	Engagement							Maximum Marks			Total	
			L	T	P	S	R	O	C	IA	SE	PE		
1.	22BSFS121R	Criminal Law	PC	3	0	2	0	0	0	4	40	60	100	200
2	22BSFS122R	Crime And Society	PC	3	0	2	0	0	0	4	40	60	100	200
3	22BSFS123R	Fundamentals of Forensic Botany	PC	3	0	2	0	0	0	4	40	60	100	200
4	22BSFS124R	Forensic Chemistry	PC	3	0	2	0	0	0	4	40	60	100	200
5	22BSFS125R	Evaluation Of Criminal Psychology (Techno-Professional Course)	PC	0	0	2	0	0	0	1	0	0	100	100
6	22UBES101R	Environmental Science	UC	2	0	0	0	0	0	2	40	60	0	100
7	22UBPD122R	Implicit English (Communicative English and Soft Skills)	UE	0	0	4	0	0	0	2	0	0	100	100
8	22UBCC121	Co-Curricular (Non-CGPA)	UC	0	0	0	4	0	0	1	0	0	0	0
9	22UBEC121	Extra-Curricular (Non CGPA)	UC	0	0	0	4	0	0	1	0	0	0	0
10	22BSCE111R	MOOC/ Online (Self Study Mode on Prescribed Online Platforms)	FE	0	0	2	0	0	0	1	0	0	100	100
Total				14	0	16	8	0	0	24				1200

S. Course CodeN.	Course Title	Category	Engagement							Maximum Marks			Total	
			L	T	P	S	R	O	C	IA	SE	PE		
1.	22BSFS211R	Forensic	PC	3	0	2	0	0	0	4	40	60	100	200

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		Dermatoglyphics												
2	22BSFS212R	Instrumental Techniques in Forensic Science	PC	3	0	2	0	0	0	4	40	60	100	200
3	22BSFS213R	Crime Scene Management and Forensic Physics	PC	3	0	2	0	0	0	4	40	60	100	200
4	22BSFS214R	Questioned Documents and Handwriting Identification	PC	3	0	2	0	0	0	4	40	60	100	200
5	22BSFS215R	Crime In Society (Case Study) Techno Professional Course)	UE	0	0	4	0	0	0	2	0	0	100	100
6	22UBPD212R	English Language for Excellence (Communicative English and Soft Skills)	UE	0	0	4	0	0	0	2	0	0	100	100
7	22UBCC211	Co-Curricular (Non-CGPA)	UC	0	0	0	4	0	0	1	0	0	0	0
8	22UBEC211	Extra-Curricular (Non CGPA)	UC	0	0	0	4	0	0	1	0	0	0	0
9	22UUHV101 R	UHV+PROFESSIONAL ETHICS	UC	1	0	2	0	0	0	2	40	60	100	200
10	22BSFS2110 R	Generic Elective	UE	1	0	0	0	0	0	1	40	60	0	100
Total				14	0	18	8	0	0	25				1300

S. N.	Course Code	Course Title	Category	Engagement							Maximum Marks			
				L	T	P	S	R	O	C	IA	SE E	PE	Total
1	22BSFS221R	Forensic Ballistics	PC	3	0	2	0	0	0	4	40	60	100	200
2	22BSFS222R	Forensic Chemistry	PC	3	0	2	0	0	0	4	40	60	100	200
3	22BSFS223R	Cyber & Digital Forensics	PC	3	0	2	0	0	0	4	40	60	100	200
4	22BSFS224R	Forensic Accountancy & Statistics		3	0	2	0	0	0	4	40	60	100	200

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5	22BSFS225R	Techno Professional Course- III	PC	0	0	2	0	0	0	1	0	0	100	100
6	22UBPD222R	English For Employability (Communicative English & Soft Skills)	UE	0	0	4	0	0	0	2	0	0	100	100
7	22UBCC221	CO-CURRICULAR (None-CGPA)	UC	0	0	0	4	0	0	1	0	0	0	0
8	22UBEC221	EXTRA-CURICULAR (None CGPA)	UC	0	0	0	4	0	0	1	0	0	0	0
9	22BSFS2120R	General Elective	UE	2	0	0	0	0	0	2	40	60	0	100
10	22BSCE222R	MOOC II	FE	0	0	4	0	0	0	2	0	0	100	100
11	22UULS221R	Basic Acclimatizing Skills	UC	0	0	2	0	0	0	1	0	0	100	100
12	22BSFS226R	Academic/ Research and Career Counselling	AEC	1	0	0	0	0	0	1	40	60	0	100
Total				15	0	20	8	0	0	27			1400	

S. Course CodeN.	Course Title	Category	Engagement									Maximum Marks		
			L	T	P	S	R	O	C	I A	SE E	PE	Total	
1. 22BSFS311R	Forensic Biology & Serology	PC	3	0	2	0	0	0	0	4	4	60	100	200
2. 22BSFS312R	DNA Forensic	PC	3	0	2	0	0	0	0	4	4	60	100	200
3. 22BSFS313R	Forensic Medicine	PC	3	0	2	0	0	0	0	4	4	60	100	200

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4	22BSFS314R	Wildlife and Environmental Forensic	PC	3	0	2	0	0	0	4	4	60	10	200
5	22BSFS315R	CASE STUDY (Part1)	PC	0	0	8	0	0	0	4	0	0	0	100
6	22BSFS316R	Techno-Professional Course	PC	0	0	2	0	0	0	1	0	0	0	100
7	22BSCE313R	MOOC/ ONLINE) III	FE	0	0	4	0	0	0	2	0	0	10	100
Total				12	0	22	0	0	0	23				1100

S. N.	Course Code	Course Title	Category	Engagement								Maximum Marks			
				L	T	P	S	R	O	C	IA	SEE	PE	Total	
Semester VI	1.	22BSFS321R	Forensic Toxicology	PC	3	0	2	0	0	0	4	40	60	100	200
		22BSFS322R	Forensic Anthropology	PC	3	0	2	0	0	0	4	40	60	100	200
	1.	22BSBT323R	Research methodology, bioethics and IPR	PC											
Total														900	


Member Secretary


Chairman


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Assam down town University

Minutes of the 8th BOS meeting held on date 16/08/2022 at 10.00 AM in room no-J010

Faculty of Science, Assam down town University.

The following members were present:

Prof. L. N. Kakati	Dean of Faculty	Chairman
Prof. Suresh Deka	Advisor, Faculty of Science	Member
Prof.K.Tayung	Professor, Department of Botany, Gauhati University	External Expert
Prof.Rajeev Sarmah	Professor, Biotechnology, Faculty of Science	Member
Dr. L.Shantikumar	Associate Professor, Microbiology	Member
Mr.Bhrianka Bharadwaj	Assistant Professor, Microbiology	Member
Ms.Sangita Boro	Assistant Professor, Microbiology	Member
Dr. Manash Pratim Kashyap	Assistant Professor, Statistics	Member
Miss Shrutika Srabarna Kakaty	Student Alumni	Member
Dr. Nayan Talukdar	Associate Professor, Biotechnology	Member
Dr. Minakshi Bhattacharjee	Associate Professor, Biotechnology	Member
Dr. Anjan Kumar Sarma	Assistant Professor, Botany	Member Secretary

Welcome address by Chairman

The Chairman welcomed all the members and declared the meeting opened.

Item No 1: To consider the syllabus of B. Sc. Microbiology and M. Sc. Microbiology

The course structure containing PO's & CO's was presented by the Program Coordinator of Microbiology before the committee. The structure of the program along with detailed syllabus was discussed thoroughly. The omission and commission as suggested by expert were executed in the same meeting. The recommended course PO's, CO's and the course layout are for the session 2022-2023; the newly introduced courses are highlighted as below. The omission and commission in the content are highlighted and the detailed syllabus is included in the syllabus file of 2022-2023. The committee members unanimously recommended the PO's, CO's and the course layout including detailed syllabus for AC approval.

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B. Sc. Microbiology

Semes	S. No.	Course Code	Course Title	Course Category	Engagement							Maximum Marks for			
					L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
Semester I	1.	22BSMB111R	Principles of Microbiology and Microbial Diversity	PC	3	0	4	0	0	0	5	40	60	100	200
	2	22BSMB112R	Zoology	PC	3	0	2	0	0	0	4	40	60	100	200
	3	22BSMB113R	Principles of Biochemistry	PC	3	0	2	0	0	0	4	40	60	100	200
	4	22BSMB114R	Basic Chemistry	PC	3	0	2	0	0	0	4	40	60	100	200
	5	22UBPD113R	PDP: Introductory English	UE	0	0	4	0	0	0	2	0	0	100	100
	6	22UBEC111	Extra- Curricular	UC	0	0	0	4	0	0	1	0	0	0	0
	Total											20			
Semester II	1.	22BSMB121R	Cell Biology and Microbial Physiology	PC	3	0	4	0	0	0	5	40	60	100	200
	2	22BSMB122R	Biophysical Chemistry	PC	3	0	0	0	0	0	3	40	60	0	100
	3	22BSMB123R	Applied Biochemistry	PC	3	0	2	0	0	0	4	40	60	100	200
	4	22BSMB124R	Bioinstrumentation	PC	2	0	2	0	0	0	3	40	60	100	200
	5	22UBPD123R	PDP: Implicative English	UE	0	0	4	0	0	0	2	0	0	100	100
	6	22UBCC121	Co-Curricular	UC	0	0	0	4	0	0	1	0	0	0	0
	7	22UBEC121	Extra- Curricular	UC	0	0	0	4	0	0	1	0	0	0	0
	8	22UBES101R	Environmental Science	UC	2	0	0	0	0	0	2	40	60	0	100
	9	22BSMB125R	Microbial Culture Techniques	PC	0	0	2	0	0	0	1	0	0	100	100
	10	22BSMB126R	MOOCs	FE	1	0	0	0	0	0	1	0	100	0	100
	11	22UCDL103R	Computational Systems and Digital World	UE	0	0	2	0	0	0	1	0	0	100	100
	Total											24			

1.	22BSMB211R	Immunology	PC	3	0	4	0	0	0	5	40	60	100	200
2	22BSMB212R	Microbial Genetics	PC	3	0	2	0	0	0	4	40	60	100	200
3	22BSMB213R	Tissue Culture	PC	2	0	0	0	0	0	2	40	60	0	100
4	22UBPD213R	PDP: Proficient Communication	UE	0	0	4	0	0	0	2	0	0	100	100
5	22UBCC211	Co-Curricular	UC	0	0	0	4	0	0	1	0	0	0	0
6	22UBEC211	Extra- Curricular	UC	0	0	0	4	0	0	1	0	0	0	0
7	22UUHV101R	Universal Human Value and Professional Ethics	UC	1	0	2	0	0	0	2	40	60	100	200
8	22BSMB214R	Analytical Biochemistry	PC	0	0	2	0	0	0	1	0	0	100	100
9		Generic Elective	UE	2	0	0	0	0	0	2	40	60	0	100
10	22UULS202R	Basic lifesaving skills	UE	1	0	2	0	0	0	1	0	0	100	100
Total										21				1100

S. N.	Course Code	Course Title	Course Category	Engagement							Maximum Marks for			
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22BSMB221R	Molecular Biology and RDT	PC	3	0	2	0	0	0	4	40	60	100	200
2	22BSMB222R	Soil and Agricultural Microbiology	PC	3	0	2	0	0	0	4	40	60	100	200
3	22BSMB223R	Bioinformatics	PC	2	0	2	0	0	0	3	40	60	100	200
4	22UBPD223R	PDP: Campus to Corporate	UE	0	0	4	0	0	0	2	0	0	100	100
5	22UBCC221	Co-Curricular	UC	0	0	0	4	0	0	1	0	0	0	0
6	22UBEC221	Extra- Curricular	UC	0	0	0	4	0	0	1	0	0	0	0
7	22BSMB224R	Composting and Biofertilizer Production	PC	0	0	2	0	0	0	1	0	0	100	100
8		Generic Elective	UE	2	0	0	0	0	0	2	40	60	0	100
9	22BSMB225R	MOOCs	FE	1	0	0	0	0	0	1		100	0	100
10	22UULS201R	BASIC ACCLIMATIZING SKILLS (BAS)	UE	0	0	2	0	0	0	1	0	0	100	100
Total										20				1100

Semester IV

S. N.	Course Code	Course Title	Course Category	Engagement							Maximum Marks for			
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22BSMB311R	Medical Bacteriology and Virology	PC	3	0	4	0	0	0	5	40	60	100	200

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2	22BSMB312R	Medical Mycology and Parasitology	PC	3	0	2	0	0	0	0	4	40	60	100	200
3	22BSMB313R	Biostatistics	PC	3	0	0	0	0	0	0	3	40	60	0	100
4	22BSMB314R	Pharmaceutical Microbiology	PC	3	0	0	0	0	0	0	3	40	60	0	100
5	22BSMB315R	Food and Dairy Microbiology	PC	3	0	2	0	0	0	0	4	40	60	100	200
6	22BSMB316R	Research Project I	PC	0	0	0	0	18	0	0	3	0	0	100	100
7	22BSMB317R	Experimental and Statistical Data analysis	PC	0	0	2	0	0	0	0	1	0	0	100	100
8	22BSMB318R	MOOCs	FE	1	0	0	0	0	0	0	1	0	100	0	100
Total											24				1100

S. N.	Course Code	Course Title	Course Category	Engagement							Maximum Marks for				
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total	
1.	22BSMB321R	Fermentation Technology and Industrial Microbiology	PC	3	0	2	0	0	0	0	4	40	60	100	200
2	22BSMB322R	Research Methodology, Bioethics and IPR	PC	3	0	0	0	0	0	0	3	40	60	0	100
3	22BSMB323R	Research Project II	PC	0	0	0	0	30	0	0	5	0	0	100	100
4	22BSMB324R	MOOCs	FE	1	0	0	0	0	0	0	1	0	100	0	100
Total											13				500
Total for all six semesters											120				5700


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M. Sc. Microbiology

S. N.	Course Code	Course Title	Course Category	Engagement							Maximum Marks for			
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22MSMB111R	Introduction to Microbiology & Microbial Diversity	PC	3	0	2	0	0	0	4	40	60	100	200
2.	22MSMB112R	Microbial Genetics and Physiology	PC	3	0	2	0	0	0	4	40	60	100	200
3.	22MSMB113R	Biochemistry	PC	3	0	2	0	0	0	4	40	60	100	200
4.	22MSMB114R	Bioinstrumentation	PC	3	0	2	0	0	0	4	40	60	100	200
5.	22MSCE111R	MOOCS -I	FE	0	0	0	4	0	0	2	0	100		100
6.	22UMFS111R	Fundamental of Statistics	UC	2	0	2	0	0	0	3	40	60	100	200
7.	22MSMB115R	Mini Research - R1	UC	0	0	0	4	8	0	2	0	0	100	100
8.	22UMPD111R	PDP: Effective English	UE	0	0	4	0	0	0	2	0	0	100	100
Total										25				1300

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S. No.	Course Code	Course Title	Course Category	Engagement						C	Maximum Marks for			
				L	T	P	S	R	O		IA*	SEE*	PE*	Total
1.	22MSMB121R	Immunology	PC	3	0	2	0	0	0	4	40	60	100	200
2.	22MSMB122R	Molecular Biology, Genomics and Genetic Engineering	PC	3	0	2	0	0	0	4	40	60	100	200
3.	22MSMB123R	Bioinformatics	PC	2	0	2	0	0	0	3	40	60	100	200
4.	22MSMB124R	Mushroom Cultivation : Techno-Professional Skill I	PC	0	0	4	0	0	0	2	0	0	100	100
5.	2MSMB125R	Generic Elective: Public health and Hygiene	UE	2	0	0	0	0	0	2	40	60	0	100
6.	22MSCE121R	MOOCS -II	FE	0	0	0	0	0	0	2	0	100	0	100
7.	22UMRM121R	Research Methodology and Statistical Analysis	UC	1	0	0	4	0	0	2	40	60	0	100
8.	22MSMB126R	Mini Research 2 (Research gap Analysis-R2)	UC	0	0	0	4	12		3	0	0	100	100
9.	22UUHV101R	Universal Human Values and Professional Ethics	UC	1	0	2	0	0	0	2	40	60	100	200
10.	22UMPD121R	PDP: Communication Mastery	UE	0	0	4	0	0	0	2	0	0	100	100
11.	22UCBL103R	Computational system and digital world	UE	0	0	2	0	0	0	1	0	0	100	100
12.	22UUFL202R	Personal Financial Planning	UE	0	0	2	0	0	0	1	0	0	100	100
Total										28	Dean		1600	

Semester II

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Semester III

Course No.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for				
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total
1.	22MSMB211R	Biofertilizer Production: (Techno-Professional SkillIII)	PC	0	0	4	0	0	0	2	0	0	100	100
2.	22MSMB212R	Generic Elective - Public health and Hygiene	UE	2	0	0	0	0	0	2	40	60	0	100
3.	22MSCE211R	MOOCS-III	FE	0	0	0	0	0	0	2	0	100	0	100
4.	22MSCE212R	MOOCS-IV	FE	0	0	0	0	0	0	2	0	100	0	100
5.	22UMRE214R	Research Ethics	UC	0	0	2	0	0	0	1	0	0	100	100
6.	22MSMB213R	Mini Research – (Survey/Experiments - R3)	UC	0	0	6	4	0	0	4			100	100
7.	22UMPD211R	PDP: Corporate Proficiency	UE	0	0	4	0	0	0	2	0	0	100	100
Discipline specific Elective (Any three subjects to be selected)														
8.	22MSMB214R	Medical Microbiology	PE	3	0	2	0	0	0	4	40	60	100	200
9.	22MSMB215R	Microbial Ecology and Environmental Microbiology	PE	3	0	2	0	0	0	4	40	60	100	200
10.	22MSMB216R	Soil and Agricultural Microbiology	PE	3	0	2	0	0	0	4	40	60	100	200
11.	22MSMB217R	Clinical and Diagnostic Microbiology	PE	3	0	2	0	0	0	4	40	60	100	200
12.	22MSMB218R	Organic Farming	PE	3	0	2	0	0	0	4	40	60	100	200
Total									27				1300	


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S. N.	Course Code	Course Title	Course Category	Engagement						Maximum Marks for					
				L	T	P	S	R	O	C	IA*	SEE*	PE*	Total	
1.	22MSMB221R	Research/ Data analysis/ documentation -R4	PE	0	0	20	4	6	0	12	0	0	200	200	
Discipline specific Elective (Any two subjects to be selected)															
Semester IV	2.	22MSMB222R	Industrial Microbiology and Fermentation Technology	PE	2	0	2	0	0	0	3	40	60	100	200
	3.	22MSMB223R	Food and Dairy Microbiology	PE	2	0	2	0	0	0	3	40	60	100	200
	4.	22MSMB224R	Pharmaceutical Microbiology	PE	2	0	2	0	0	0	3	40	60	100	200
	5.	22MSMB225R	Marine Microbiology	PE	2	0	2	0	0	0	3	40	60	100	200
	Total											18			
Total for all four Semesters											98				4800


Member Secretary


Chairman

Dean
Faculty of Science
Assam down town University

Minutes of the 12th BOS meeting held on date 23/08/2022 at 10.00 AM in the office of the Dean, Faculty of Science, Assam down town University.

The following members were present:

Prof. L N Kakati	Dean, Faculty of Science	Chairman
Dr. Suresh Deka	Advisor	Member
Prof. J.C. Kalita	Professor & Head, Department of Zoology, Gauhati University	External Expert
Prof. Suresh Deka	Advisor, Faculty of Science	Member
Dr. Manash Pratim Sarma	Associate Professor, Biotechnology, Faculty of Science	Member
Dr. Nibedita Talukdar	Assistant Professor, Zoology, Faculty of Science	Member
Dr. Prasenjit Bhagawati	Assistant Professor, Botany, Faculty of Science	Member
Dr. Vidya Deka	Assistant Professor, Zoology, Faculty of Science	Member
Dr. Snigdha Chakraborty	Assistant Professor, Zoology, Faculty of Science	Member
Dr. Seydur Rahman	Assistant Professor, Zoology, Faculty of Science	Member Secretary

Welcome address by Chairman

The Chairman welcomed all the members and declared the meeting opened.

Item No 1: To consider the syllabus of M. Sc. Zoology

The course structure containing PO's & CO's was placed by the Program Coordinator of Biotechnology before the committee. The structure of the program along with the syllabus discussed thoroughly including the modification of the syllabus made by the expert committee in the meeting where student representative were also present. Detail syllabus has been placed in front of the committee for the session 2022-23.

Faculty of Study			Faculty of Science													
Programme Name			Master of Zoology													
Session			2022-24													
Semester			I													
SLN	Course Title	Course Code	Category I	Category II	Category III	Credit	L	T	P	S	R	O	ISA [Theory]	ESA [Theory]	ESA [Practical]	Total Marks
1	Taxonomy and Basic Entomology	22MSZO111R	PC	-	-	4	3	0	2	0	0	0	40	60	100	200
2	Biochemistry and Bioinstrumentation	22MSZO112R	PC	-	-	4	3	0	2	0	0	0	40	60	100	200

(Dr. Seydur Rahman)

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3	Genetics	22MSZO113R	PC	-	-	4	3	0	2	0	0	0	0	40	60	100	200
4	Cell Biology	22MSZO114R	PC	-	-	4	3	0	2	0	0	0	0	40	60	100	200
5	Mini Research (Review of literature-R1)	22MSZO115R	UC	VAC	SEC	2	0	0	0	4	8	0	-	-	-	100	100
6	MOOCS-I	22MSCE111R	FE			2	0	0	0	0	0	0	0	0	100	-	100
7	Fundamental of Statistics	22UMFS111R	UC	VAC	SEC	3	2	0	2	0	0	0	0	40	60	100	200
8	Effective English	22UMPD111R	UE	AEC	SEC	2	0	0	4	0	0	0	-	-	-	100	100
Total Credits						25											1300

Faculty of Study			Faculty of Science													
Programme Name			Master of Zoology													
Session			2022-24													
Semester			II													
SLN	Course Title	Course Code	Category I	Category II	Category III	Credit	L	T	P	S	R	O	ISA [Theory]	ESA [Theory]	ESA [Practical]	Total Marks
1	Endocrinology and Immunology	22MSZO121R	PC	-	-	4	3	0	2	0	0	0	40	60	100	200
2	Molecular Biology, Genomics and Genetic Engineering	22MSZO122R	PC	-	-	4	3	0	2	0	0	0	40	60	100	200
3	Evolution and Ecology	22MSZO123R	PC	-	-	4	3	0	2	0	0	0	40	60	100	200
4	Apiculture (Techno Professional Skill-I)	22MSZO124R	PC	AEC	AECC	2	0	0	4	0	0	0	0	0	100	100
5	Research (Research gap analysis-R2)	22MSZO125R	UC	VAC	SEC	3	0	0	0	4	1	6	-	-	100	100
6	MOOCS-CE II	22MSCE121R	FE			2	0	0	0	0	0	0	0	100	-	100
7	Generic Elective (Wildlife Conservation and Management)	-	UE	-	-	2	2	0	0	0	0	0	40	60	-	100
8	Research methodology and Statistical	22UMRM121R	UC	VAC	SEC	2	1	0	0	4	0	0	40	60	100	200

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Analysis																
9	Universal Human Values (UHV) + Professional Ethics	22UUVH101R	UC	VAC	SEC	2	1	0	2	4	0	0	40	60	100	200
10	Communication Mastery	22UMPD121R	UE	AEC	SEC	2	0	0	4	0	0	0	0	0	100	100
11	Computational Systems And Digital World	22UCDL103R	UE	AEC	SEC	1	0	0	2	0	0	0	0	0	100	100
Total Credits						28										1600

(Dr. Seydur Rahman)



Faculty of Study		Faculty of Science												
Programme Name		Master of Zoology												
Session		2022-24												
Semester		III												
SLN o	Course Title	Course Code	Category I	Category II	Category III	Credit	L	T	P	100	ISA Marks [Theory]	ESA Marks [Theory]	ESA [Practical]	Total Marks
1	MOOCS-CE III	22MSC/E211R	FE	-	-	2	0	0	0	0	0	100	-	100
2	MOOCS-CE IV	22MSC/E212R	FE	-	-	2	0	0	0	0	0	100	-	100
3	Ornamental Fish Farming (Techno Professional Skill-II)	22MSZO211R	PC	AEC	AECC	2	0	0	4	0	0	0	100	100
4	Generic Elective (Wildlife Conservation and Management)	-	UE	-	-	2	0	0	0	0	40	60	-	100
5	Mini Research (Survey/experiments)-R3	22MSZO215R	UC	VAC	SEC	4	0	0	6	4	-	-	-	100
6	Research Ethics	22UMRE211R	UC	VAC	SEC	1	1	0	0	0	-	-	100	100
7	Corporate Proficiency	22UMPD211R	UE	AEC	SEC	2	0	0	4	0	-	-	100	100
Number of discipline specific elective courses														
<i>A student has to choose three of the four discipline specific elective</i>														
8	Animal Physiology	22MSZO216R	DSE			4	3	0	2	0	40	60	100	200
9	Developmental Biology	22MSZO217R	DSE			4	3	0	2	0	40	60	100	200
10	Aquaculture	22MSZO218R	DSE			4	3	0	2	0	40	60	100	200
11	Animal Diversity	22MSZO219R	DSE			4	3	0	2	0	40	60	100	200
Total Credit						27								1300

Dr. Sephus Rahman

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Maulana Azad University

Faculty of Study		Faculty Science															
Programme Name		Master of Zoology															
Session		2022-24															
Semester		IV															
SLN	Course Title	Course Code	Category I	Category II	Category III	Credit	L	T	P	S	R	C	ISA [Theory]	ESA [Theory]	ESA [Practical]	Total Marks	
1	Research/data analysis/documentation- R4	22MSZO221R	UC	-	-	12	0	0	2	8	4	0	0	0	100	100	
Number of Elective courses <i>A student has to choose one of the three elective groups and each group has two papers</i>																	
Group 1																	
1	Entomology I (Insect biology, Ecology and Pest management)	22MSZO222R	PE			2	2	0	0	0	0	0	40	60	0	100	
2	Entomology II (Insect Physiology and Toxicology)	22MSZO223R	PE			4	3	0	2	0	0	0	40	60	100	200	
Group 2																	
1	Fish Biology and Fisheries I (Fish physiology and Fish culture)	22MSZO222R	PE			2	2	0	0	0	0	0	40	60	0	100	
2	Fish Biology and Fisheries II (Fish reproductive biology, endocrinology and fish genetics)	22MSZO223R	PE			4	3	0	2	0	0	0	40	60	100	200	
Group 3																	
1	Molecular Cell Biology I	22MSZO222R	PE			2	2	0	0	0	0	0	40	60	0	100	
2	Molecular Cell Biology II	22MSZO223R	PE			4	4	3	0	2	0	0	40	60	100	200	
Total credit										18							400

Member Secretary

Chairman

Dean
Faculty of Science
Assam down town University

(Dr. Sejal Dasgupta)