DEPARTMENT OF INFORMATION TECHNOLOGY
BABA GHULAM SHAH BADSHAH UNIVERSITY
RAJOURI (J&K) -185131-INDIA

MINUTES OF MEETING

Dated: 28-01-2013

The Board of Studies meeting for discussion and deliberations on the syllabi of M.Sc. IT and B.Sc. IT for the year 2013-2014-2015 was held in the Seminar hall of Department of Management Studies on 28th day of January, 2013 at 11 am. The meeting was attended by the following members.

1. Prof.G.S. Sambyal

2. Prof. M. Asger

3. Dr.Muheet Ahmed Butt

4. Mr. Tasleem Arif

5. Mr. Ed. Gowhar Hafeez Wani
6. Mr. Pardeep Kumar Sharma

Discussion related to the amendment of curriculum of M.Sc.IT Syllabi for 2013, 2014 & 2015.

It was resolved by the entire committee members that it is required to make some amendments in the curriculum of the syllabi of M.Sc.IT for 2013, 2014 & 2015. The Board of Studies further deliberated upon the proposed course curriculum and syllabi of Master of Science in Information Technology (M.Sc.-IT) and recommended the following changes.

Following is the curriculum structure that was deliberated upon, along with some suggestions for minor changes in the contents of the syllabi:

1. Introduction of Cyber Security into the Curriculum as per latest UGC guidelines.
2. Theory of Computation to be introduced as a new subject.
3. Operation Research removed from the curriculum.

MIT- Semester I

S. No.	Course Title	Course Code	Decision/ Suggestion
1	MIT-131	Mathematical Foundations	No Change
2	MIT-132	Fundamentals of IT	Review the syllabus to incorporate the concepts of Cyber Security as per the guidelines of UGC.
3	MIT-133	Programming & Problem Solving through C++	No Change
4	MIT-134	Digital Electronics	Review the contents of the syllabus.
5	MIT-135	Operating System Concepts	No Change
6	MIT-161	Lab on MIT-132	No Change
7	MIT-162	Lab on MIT-133	No Change

MIT- Semester II

S. No.	Course Title	Course Code	Decision/ Suggestion
1	MIT-231	Data & File Structure	No Change
2	MIT-232	RDBMS	Syllabus to be made Industry specific with focus on Oracle.
3	MIT-233	Software Engineering	Topics related to Agile and extreme programmings are added. Case studies be assigned as assignment or presentation in class
4	MIT-234	Artificial Intelligence	Elimination of OR (MIT-234) and replaced with AI (MIT-334) which was earlier proposed in Semester III
5	MIT-235	Data Communication & Networking	-Unit IV was divided into two Units (Unit IV and Unit V). -The topic Firewall is retaining as it is in Unit V. -RFC's be assigned as assignment or presentation in class
6	MIT-261	Lab on MIT-231	No Change
7	MIT-262	Lab on MIT-232	No Change

MIT- Semester III

S. No.	Course Title	Course Code	Decision/ Suggestion
1	MIT-331	Dot Net Technologies through C#	Needs to be revised according to suggestions of experts.
2	MIT-332	Java Programming	No Change
3	MIT-333	Wireless and Mobile Communication	No Change
4	MIT-334	Theory of Computation	To be designed afresh
5	MIT-335	Data Ware Housing and Data Mining	No Change
	MIT-336	Linux/UNIX with shell Programming	
	MIT-337	Software Project Management	
	MIT-338	Cryptography and Network Security	
	MIT-339	Multimedia Applications	
6	MIT-361	Lab on MIT-331	No Change
7	MIT-362	Lab on MIT-332	No Change
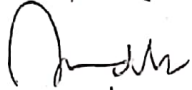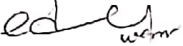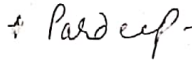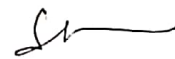
S. No.	Course Title	Course Code	Decision/ Suggestion
1	MIT-431	a) Dissertation	
		b) Seminar & Progress Report	No Change
		c) Comprehensive Viva Voce	

The meeting ended with thanks to all the members present especially Prof. G.S. Sambyal, Prof. M. Asger and Dr. Muheet Butt.

1.   Prof. M. Asger
2.   Dr.Muheet Ahmed Butt
3.   Mr. Tasleem Arif
4.   Mr. Ed. Gowhar Hafeez Wani
5.   Mr. Pardeep Kumar Sharma

Ref. No. BGSBU/DIT/17/5020A   Date: - 20/01/2017

Minutes of Meeting

A meeting of BOS of Department of Information Technology held today on 20th of Jan, 2017 at Conference Hall of Management Studies. Following members attended the meeting:-

1. Prof M. Asger.
2. Prof. Muhammad Abulaish.
3. Dr. Tasleem Arif.
4. Mr. Ed Gowhar.
5. Mr. Mudaseer Nazar Mir.

The course structure and detailed curriculum of M.Sc. IT were discussed and deliberated, after discussion the following resolutions were adopted:-

1. Change of Title of MIT-141 from " Data Structure With C" to " Data Structure Using C"
2. Change of Title of MIT-143 from "Operating System Concepts" to " Operating System"
3. Lab Courses of Semester-I will be titled as:

Lab-1: Data Structure

Lab-2: Web Technologies

4. Removal of "Advanced Web Technologies" from Semester-II and replacing it with "Database Management System".
5. Change in Unit-III of Course MIT-242 (Database Management System) instead of PL/SQL it should be renamed as SQL .
6. Unit-IV of Course MIT-242 (Database Management System) to be rearranged in the light of discussions held.
7. Lab Courses of Semester 2nd will be titled as:

Lab-3:- Java Programming

Lab-4:- Pl/ SQL

8. Introduction of "Wireless and Mobile Communication" as MIT-342 instead of "Database Management System".

9. Introduction of "Design & Analysis of Algorithms" as MIT-343 Course instead of "Database Management System".

10. Introduction of "Information Security "and "Distributed Computing" as elective courses in Semester-III.

11. Removal of "Design & Analysis of Algorithms", "Artificial Intelligence" and "Software Engineering" Courses from Electives.

12. Lab Courses of Semester 3rd will be titled as:

    Lab-5: C#

    Lab-6: Algorithm Design Techniques.

13. Course title of 4th Semester Project will be as "Project Work".

14. Scheme of Examination of the 4th Semester Project will be as:

Internal Examination:200	External Examination:400
Project Report: 100 Marks Viva Voce:- 100 Marks	Project Report: 100 Marks Viva Voce:- 150 Marks Implementation/Presentation: 150 Marks

The meeting ended with vote of thanks to the Chair.

1. Prof M. Asger _____

2. Prof. Muhammad Abulaish _____

3. Dr. Tasleem Arif _____

4. Mr. Ed Gowhar _____

5. Mr. Mudaseer Nazar Mir _____

School of Mathematical and Computer Sciences

Department of Information Technology

_____

Syllabus

For

Master of Science in Information Technology (M.Sc.-IT)

For the Batches 2016-17 2017-18 2018-19

Programming Outcomes

PSO1: The Programme is aimed towards building prospective career in the field of Information Technology and is designed with the objective to provide knowledge and skills in the various aspects of Information Technology and core programming.

PSO2: To prepare for advanced education in Information Technology and aim of the programme is to increase the number of skilled IT professionals and academicians.

PSO3: Students will be able to use the techniques, skills and modern hardware and software tools necessary for innovative software solutions. Student get ability to devise and conduct experiments, interpret data and provide well informed conclusions.

PSO4: Student will get skills to analyze a problem and identify and define the logical modeling of solution.

PSO5: Student will be able to select modern computing tool and techniques and use them with dexterity.

PSO6: Understand topics of wide relevance including Internet and Web technologies, Bio Informatics and Wireless and mobile Communication.

PSO7: Gain knowledge of Programming languages and other areas that influence the subject area.

PSO8: The course offers contemporary and cutting edge topics such as: Specialization in Web Mining, Cloud Computing and Information Security with an end result of providing talented hands in the related fields.

COURSE STRUCTURE & SYLLABUS FOR M.Sc. INFORMATION TECHNOLOGY (M.Sc.-IT)

FOR THE YEAR 2016, 2017, 2018

Semester-I

Course Code	Course Title	Credit Value	Scheme of Examination				
			Duration	Marks			
			Hours	IA	UE	Total	
MIT-141	Data Structures Using C	4	3	40	60	100	
MIT-142	Internet and Web Technologies	4	3	40	60	100	
MIT-143	Operating System	4	3	40	60	100	
MIT-144	Digital Electronics	4	3	40	60	100	
MIT -171	Lab -1: Data Structure	4	3	50	50	100	
MIT -172	Lab -2: Web Technologies	4	3	50	50	100	
Total		24	-	260	340	600	

Semester-II

Course Code	Course Title	Credit Value	Scheme of Examination			
			Duration	Marks		
			Hours	IA	UE	Total
MIT-241	Java Programming	4	3	40	60	100
MIT-242	Database Management System	4	3	40	60	100
MIT-243	Data Communication and Computer Networks	4	3	40	60	100
Choice Based Open Electives(Students are required to opt any one of the following courses)						
Math-201	Mathematical Tools in Real World Problems	4	3	40	60	100
Comp-203	Computer Applications & Operations	4	3	40	60	100
Bio-204	Fundamentals of Biotechnology	4	3	40	60	100
Bot-205	Mysteries of Green Plants	4	3	40	60	100
Bot-206	Botany in Rural Developments	4	3	40	60	100
Zol-207	Nutrition, Health & Hygiene	4	3	40	60	100
Arab-208	Fundamentals of Arabic Language	4	3	40	60	100
Eng-209	Applied English	4	3	40	60	100
Edu-210	Higher Education	4	3	40	60	100
Eco-211	Principles of Banking	4	3	40	60	100
HT-212	Basics of Tourism and Travel Agencies	4	3	40	60	100
HT-213	Tourism Resources of J&K	4	3	40	60	100
Ngt-214	Business Communication soft Skills	4	3	40	60	100
Edu-215	Instructional Technology	4	3	40	60	100
Lab Course						
MIT-271	Lab -3: Java Programming	4	3	50	50	100
MIT-272	Lab-4: Pl/SQL	4	3	50	50	100
	Total	**24**		**260**	**340**	**600**

Semester-III

Course Code	Course Title	Credit Value	Scheme of Examination				
			Duration	Marks			
			Hours	IA	UE	Total	
MIT-341	Dot Net Technologies using C#	4	3	40	60	100	
MIT-342	Wireless and Mobile Communication	4	3	40	60	100	
MIT-343	Design and Analysis of Algorithms	4	3	40	60	100	
Choice based Complimentary Elective Courses(Students are required to opt any one of the following courses)							
MIT-345	Information Security	4	3	40	60	100	
MIT-346	Bioinformatics	4	3	40	60	100	
MIT-347	Cloud Computing	4	3	40	60	100	
MIT-348	Distributed Database Management.	4	3	40	60	100	
MIT-349	Web Mining	4	3	40	60	100	
MIT-350	Distributed Computing	4	3	40	60	100	
Lab Course							
MIT-371	Lab-5: C#	4	3	50	50	100	
MIT-372	Lab-6: Algorithm Design Techniques	4	3	50	50	100	
Total		24		260	340	600	

Semester-IV

Course Code	Course Title	Credits	Scheme of Examination				
			Duration		Marks		
			Hours		IA	UE	Total
MIT-441	Project	24	-----		200	400	600

The Components and bifurcation of marks of the course code MIT-441 in Semester IV shall be as follows:

Components	IA	UE
Project Work	-	100
Presentation	100	150
Viva Voce	100	150
Total	200	400

IA- Internal Assessment
UE- University Examination