



The ICFAI University, Tripura

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Date: 14/08/2017

Ref:

Minutes of the Meeting of the Board of Studies (BOS) held on 14th August 2017 at 11:00 AM in Board Room regarding the programme of MCA, MCA(Lateral) in Computer Science and Engineering

Members Present in the meeting -

1. Prof. Biplab Halder, Pro-Vice Chancellor, ICFAI University, Tripura (Chairperson).
2. Dr. P.R. Borthakur (Coordinator, Faculty of Science and Technology, ICFAI University, Tripura).
3. Prof. B.V. Srikanth (HoD, Computer Science and Engineering, ICFAI University, Tripura).
4. Prof. Abhijit Biswas (Internal member, Assistant Professor, Computer Science and Engineering, ICFAI University, Tripura).
5. Dr. T. K. Basu (External member, Retired Professor, IIT Kharagpur), joined through video conferencing.

Agenda -

- I. Modification of syllabus for MCA, MCA Lateral in Computer Science and Engineering.
- II. List of elective papers to be included in the aforesaid programme.
- III. Credit distribution for MCA, MCA Lateral in Computer Science and Engineering.
- IV. Any other with the approval of the chair.

Minutes of meeting -

- I. The chairperson welcomed the members and introduced external BOS member to the board and further internal members introduced themselves.
- II. Chairperson advised the coordinator of FST to proceed with the meeting as per the agendas.
- III. HoD, CSE made a presentation on the proposed curriculum for MCA, MCA Lateral in CSE and discussed the new courses which need to be introduced in the programme.
- IV. It was unanimously resolved that the modification (refer Annexure I) of the syllabus in the existing programme was approved by the members of BOS and it was decided that the said revision will be sent to the Academic Council of the university for the final approval.
- V. It was resolved that the course-specific outcome and program outcome should be well defined and should get integrated into the current syllabus.
- VI. Regarding the list of elective courses, the list of elective courses was produced by the HoD, CSE which would be offered for the programme.
 - o Elective Courses for MCA, MCA Lateral in CSE programme -

Course Code	Course Title	L	T	P	U
MCAE211T	Unix and Shell Programming	3	0	0	3
MCAE212T	Advance Operating System	3	0	0	3
MCAE212P	Advance Operating System Practical	0	0	3	2
MCAE213T	Database Security and Administration	3	0	0	3



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MCAE214T	Program Paradigm	3	0	0	3
MCAE215T	Data Ware Housing and Data Mining	3	0	0	3
MCAE215P	Data Ware Housing and Data Mining Practical	0	0	3	2
MCAE216T	Advance Multimedia system	3	0	0	3
MCAE217T	IT in Banking and Insurance	3	0	0	3
MCAE218T	Management Accounting	3	0	0	3
MCAE219T	Enterprise Solution	3	0	0	3
MCAE311T	Unix and Linux System Administration	3	0	0	3

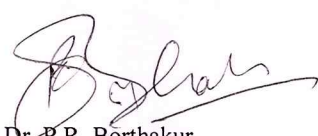

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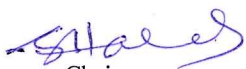
MCAE311P	Unix and Linux System Administration Practical	0	0	3	2
MCAE312T	Advance Topics in Computer Network	3	0	0	3
MCAE313T	Compiler Design	3	0	0	3
MCAE314T	Investment Banking and Financial Services	3	0	0	3
MCAE314T	Embedded System	3	0	0	3
MCAE315T	Computer Simulation and Modeling	3	0	0	3
MCAE316T	Neural Network Computing	3	0	0	3
MCAE317T	Image Processing	3	0	0	3
MCAE318T	Mobile Computing	3	0	0	3
MCAE319T	Software Project Management	3	0	0	3
MCAE320T	Spatial Database	3	0	0	3
MCAE321T	Bio Informatics	3	0	0	3
MCAE322T	Financial Markets	3	0	0	3
MCAE323T	Software Design Pattern	3	0	0	3
MCAE324T	Parallel and Distributed Database System	3	0	0	3
MCAE324T	Advanced Software Testing and Quality Management	3	0	0	3
MCAE322T	Financial Markets	3	0	0	3

- I. With regards to the number of credits for courses, all members of the board agreed that each theory course offered by the Computer Science and Engineering should be worth 3 credits and each practical course should be worth 2 credits.
- II. Course codes of a few courses were modified.
- III. The meeting got successfully concluded with a Vote of Thanks from the chairperson.


Prof. B.V. Srikanth
(HoD, CSE, FST)


Prof. Abhijit Biswas
(Internal Member, CSE, FST)


Dr. P.R. Borthakur
(Co ordinator, FST)


Chairperson
Board of Studies
Computer Science and Engineering
Faculty of Science and Technology
ICFAI University, Tripura


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Annexure I

Existing program structure of MCA, MCA(LE) to July, 2018

(Program Code – FST009)

		Sem I					Sem II		
	Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U	
YEAR-I	1	MCAC101T	Programming and Problem Solving with C and C++	3 0 3	1	MCAC104	Data Structure	3 0 3	
	2	MCAC101P	Programming and Problem Solving with C and C++ Practical	0 3 2	2	MCAC105T	Java Application Development	3 0 3	
	3	MCAC102	Computer Organization	3 0 3	3	MCAC105P	Java Application Development Practical	0 3 2	
	4	MATH402	Discrete Mathematics	3 0 3	4	MCAC106	Data Communication and Computer Networks	3 0 3	
	5	MCAC103T	Database Management System	3 0 3	5	MATH401	Probability and Statistics	3 0 3	
	6	MCAC103P	Database Management System Practical	0 3 2		MCAFM108	Financial Management -I	3 0 3	
	7	MCAPM101	Principles of Management	3 0 3		SSP121	Soft Skills-I	3 0 3	
	8	MCAFA103	Financial Accounting	3 0 3		MCAC107T	Operating System	3 0 3	
			TOTAL UNITS	Unit=22		MCAC107P	Operating System Practical	0 3 2	
						TOTAL UNITS	Unit=25		
		Sem I					Sem II		
	Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U	
YEAR-II	1	MCAC201	Design and Analysis of Algorithms	3 0 3	1	MCAC205	Software Engineering	3 0 3	
	2	MCAC202T	Object Oriented Analysis and Design using Unified Modeling Language	3 0 3	2	MCAC206T	Dot Net Technologies	3 0 3	
	3	MCAC202P	Object Oriented Analysis and Design using Unified Modeling Language Practical	0 3 2	3	MCAC206P	Dot Net Technologies Practical	0 3 2	
	4	MCAC203T	WEB Technologies	3 0 3	4	MIDS207	Management Information and Decision Support System	3 0 3	
	5	MCAC203P	WEB Technologies Practical	0 3 2	5		Elective- I		
	6	MCAFM205	Financial Management - II	3 0 3	6		Elective- II		
	7	MATH501	Operational Research	3 0 3	7		Elective- III		
	8	MCAC204	Computer System and Network Security	3 0 3	8	SSP243	Soft Skills- III	3 0 3	
	9	SSP232	Soft Skill – II	3 0 3					
			TOTAL UNITS	Unit=25		TOTAL UNITS	Unit=14+El.		


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		Sem I			Sem II			
Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U	
YEAR 3	1	MCAC301T	Enterprise Application Development using Java	3 0 3	1	MCAC303	Internship-III or Thesis	25
	2	MCAC301P	Enterprise Application Development using Java Practical	0 3 2	2			Unit=25
	3	MCAC302T	Computer Graphics	3 0 3	3			
	4	MCAC302P	Computer Graphics Practical	0 3 2	4			
			Elective- IV					
			Elective- V					
			Elective- VI					
			Elective- VII					
			Unit=10+El.					

Revised Program Structure MCA, MCA(LE) Program with effect from August 2018

		Sem I			Sem II			
Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U	
YEAR-I	1	MCAC111T	Programming and Problem solving with C and C++	3 0 3	1	MCAC121T	Object Oriented Programming using Java	3 0 3
	2	MCAC111P	Programming and Problem solving with C and C++ Practical	0 3 2	2	MCAC121P	Object Oriented Programming using Java Practical	0 3 2
	3	MCAC112T	Computer Organization and Architecture	3 0 3	3	MCAC122T	Data Structure using C++	3 0 3
	4	MATH 402	Discrete Mathematics	3 0 3	4	MCAC123T	Data Communication and Computer Network	3 0 3
	5	MCAC113T	Digital Electronics and Microprocessor	3 0 3	5	MCAC124T	Object Oriented Analysis and Design using UML	3 0 3
	6	MCAC114T	Information and Communication Technology	3 0 3	6	MCAC124P	Object Oriented Analysis and Design using UML Practical	3 0 3
	7	MCAAFM113	Financial Accounting	3 0 3	7	MCAAFM108	Financial Management I	3 0 3
	8	MCAPM111	Principle of Management	3 0 3	8	MCAC125T	Emerging Technology	3 0 3


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			TOTAL UNITS	23 Units	9	SSP121	Soft Skills I	3 0 3
							TOTAL UNITS	25 Units
		Sem I				Sem II		
	Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U
YEAR-II	1	MCAC211T	Design and Analysis of Algorithm	3 0 3	1	MCAC221T	Software Engineering	3 0 3
	2	MCAC212T	Database Management System	3 0 3	2	MCAC222T	Theory Computation	3 0 3
	3	MCAC212P	Database Management System Practical	0 3 2	3	MCAC223T	Artificial Intelligence	3 0 3
	4	MCAC213T	Web Technologies	3 0 3	4	MCAC224T	Computer System and Network Security	3 0 3
	5	MCAC213P	Web Technologies Practical	3 0 3	5	MCAC225T	Python Programming	3 0 3
	6	MCAC214T	Operating System	3 0 3	6	MCAC225P	Python Programming Practical	0 3 2
	7	MCAC214P	Operating System Practical	3 0 3	7		Elective I	3 0 3
	8	MCAFM205	Financial Management II	3 0 3	8		Elective II	
	9	SSP232	Soft Skills II				TOTAL UNITS	17+Elective
			TOTAL UNITS	25 Units				
		Sem I				Sem II		
	Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U
YEAR- III	1	MCAC311T	Business Analytics and Big Data	3 0 3	1	MCAC304T	Internship III	
	2	MCAC312T	Computer Graphics and Multimedia	3 0 3	2			
	3	MCAC312P	Computer Graphics and Multimedia Practical	0 3 2	3			
	4	MCAC313T	Android Programming	3 0 3	4			
	5	MCAC313P	Android Programming Practical	0 3 2	5			
	6	MCAC314T	Internet of Things	3 0 3				
	7		Elective V					
	8		Elective VI					
			TOTAL UNITS	16+Elective			TOTAL UNITS	25 Units


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List of Electives for 2 nd Year					List of Electives for 3 rd Year			
	Sl. No.	Course Code	Course Name	L P U	Sl. No.	Course Code	Course Name	L P U
YEAR -III	1	MCAE211T	Unix and Shell Programming	3 0 3	1	MCAE311T	Unix and Linux System Administration	3 0 3
	2	MCAE212T	Advance Operating System	3 0 3	2	MCAE311P	Unix and Linux System Administration Practical	0 3 2
	3	MCAE212P	Advance Operating System Practical	0 3 2	3	MCAE312T	Advance Topics in Computer Network	3 0 3
	4	MCAE213T	Database Security and Administration	3 0 3	4	MCAE313T	Compiler Design	3 0 3
	5	MCAE214T	Program Paradigm	3 0 3	5	MCAE314T	Investment Banking and Financial Services	3 0 3
	6	MCAE215T	Data Ware Housing and Data Mining	3 0 3	6	MCAE314T	Embedded System	3 0 3
	7	MCAE215P	Data Ware Housing and Data Mining Practical	0 3 2	7	MCAE315T	Computer Simulation and Modeling	3 0 3
	8	MCAE216T	Advance Multimedia system	3 0 3	8	MCAE316T	Neural Network Computing	3 0 3
	9	MCAE217T	IT in Banking and Insurance	3 0 3	9	MCAE317T	Image Processing	3 0 3
	10	MCAE218T	Management Accounting	3 0 3	10	MCAE318T	Mobile Computing	3 0 3
	11	MCAE219T	Enterprise Solution	3 0 3	11	MCAE319T	Software Project Management	3 0 3
					12	MCAE320T	Spatial Database	3 0 3
					13	MCAE321T	Bio Informatics	3 0 3
					14	MCAE322T	Financial Markets	3 0 3
					15	MCAE323T	Software Design Pattern	3 0 3
					16	MCAE324T	Parallel and Distributed Database System	3 0 3
					17	MCAE324T	Advanced Software Testing and Quality Management	3 0 3


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