

Guru Nanak Dev Engineering College, Ludhiana
Department of Information Technology

Ref. No.: IT/30/2292

Dated: 30-09-2016

Minutes of 4th meeting of Board of Studies of Information Technology department held on 23.09.2016 at 9:00 am in the office of HOD (IT).

Following members were present:

1. Dr. Kulwinder Singh Mann, Professor & Head, Department of Information Technology, GNDEC, Ludhiana (Chairman)
2. Dr. Akshay Girdhar, Professor, Department of Information Technology, GNDEC, Ludhiana (Member)
3. Dr. Manpreet Singh, Assistant Professor, Department of Information Technology, GNDEC, Ludhiana (Member)
4. Dr. Kiran Jyoti, Assistant Professor, Department of Information Technology, GNDEC, Ludhiana (Member)

External Members

5. Dr. Savita Gupta, Professor, UIET, Panjab University Chandigarh (Member)
6. Dr. Amardeep Singh Professor, UCOE, Punjabi University, Patiala (Member)
7. Dr. Krishan Kumar Saluja, Professor, UIET, Panjab University Chandigarh (Member) (not attended the meeting)
8. Er. Nitish Mahajan, MD, Conjoinix Technology Private Limited, Sector 34-A, Chandigarh (Member) (not attended the meeting)

The meeting started with welcome address by chairman BOS, and the already circulated agenda was put up for discussion. Following decisions were taken unanimously:

Proceedings:

Agenda-Item-1

1.1 Revision of Scheme 2014 of Department of Information Technology for batches 2014 onwards.

After discussion and deliberation, necessary modifications have been incorporated in the scheme 2014 of B.Tech. Information Technology for batch 2014 onwards

Committee approved the revised scheme-2014 and authorized Chairman BOS for further changes if required.

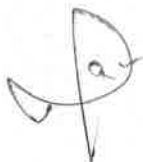
Approved



Third Semester

Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
IT-14301	IT Methodologies	3	1	-	40	60	100	4
IT-14302	Social and Professional aspects of IT	3	1	-	40	60	100	4
IT-14303	Data Structures and Programming Methodology	3	1	-	40	60	100	4
CS-14303	Digital Circuits and Logic Design	3	1	-	40	60	100	4
CS-14305	Object Oriented Programming using C++	3	1	-	40	60	100	4
IT-14304	IT Methodologies Lab	-	-	3	30	20	50	2
IT-14305	Data Structures and Programming Methodology Lab	-	-	4	30	20	50	2
CS-14306	Digital Circuits and Logic Design Lab	-	-	2	30	20	50	1
CS-14308	Object Oriented Programming using C++ Lab	-	-	4	30	20	50	2
TR-14301	Workshop Training*	-	-	-	60	40	100	2
Total		15	5	13	380	420	800	29
		Contact Hours=						
		33						

* Workshop Training will be imparted at the end of 2nd semester in the institute for four weeks in the college Central Workshop



Fourth Semester

Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
IT-14401	Database Management Systems	3	1	-	40	60	100	4
CS-14402	Operating Systems	3	1	-	40	60	100	4
IT-14403	Data Communication & Computer Networks	3	1	-	40	60	100	4
IT-14404	Web Technologies	3	1	-	40	60	100	4
IT-14405	Computer Architecture & Microprocessors	3	1	-	40	60	100	4
IT-14406	Database Management Systems Laboratory	-	-	4	30	20	50	2
CS-14406	Operating Systems Lab	-	-	2	30	20	50	1
IT-14407	Data Communication & Computer Networks Laboratory	-	-	2	30	20	50	1
IT-14408	Web Technologies Laboratory	-	-	3	30	20	50	2
IT-14409	Computer Architecture & Microprocessors Laboratory	-	-	2	30	20	50	1
GF-14401	General Fitness	-	-	-	100	-	100	1
Total		15	5	13	450	400	850	28
		Contact Hours= 33						



Fifth Semester

Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
IT-14501	Discrete Mathematics	3	1	-	40	60	100	4
IT-14502	Programming in Java	3	1	-	40	60	100	4
IT-14503	Theory of Computation	3	1	-	40	60	100	4
IT-14504	Human Computer Interaction	3	1	-	40	60	100	4
DEIT-14xxx	Elective-I	3	1	-	40	60	100	4
IT-14505	Programming in Java Laboratory	-	-	4	30	20	50	2
IT-14506	Human Computer Interaction Laboratory	-	-	3	30	20	50	2
DEIT-14xxx	Elective-I Laboratory	-	-	2	30	20	50	1
TR-14501	Industrial Training-I*				60	40	100	2
Total		15	5	09	350	400	750	27
		Contact Hours=						
		29						

* 06 weeks Industrial Training-I will be after the end of 4th semester.

Sixth Semester

Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
IT-14601	Information Assurance and Security	3	1	-	40	60	100	4
IT-14602	Software Engineering and Testing	3	1	-	40	60	100	4
DEIT-14xxx	Elective-II	3	1	-	40	60	100	4
OEIT-14xxx	Open Elective	3	0	-	40	60	100	3
IT-14603	Probability and Statistics	3	1	-	40	60	100	4
IT-14604	Software Engineering and Testing Laboratory	-	-	4	30	20	50	2
DEIT-14xxx	Elective-II Laboratory	-	-	2	30	20	50	1
IT-14605	Information Assurance and Security Laboratory	-	-	4	30	20	50	2
PRIT-14601	Minor Project	-	-	1	30	20	50	1
GF-14601	General Fitness		-	-	100	-	100	1
Total		15	4	11	420	380	800	26
		Contact Hours=						
		30						



Seventh Semester /Eighth Semester

Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
IT-14701	Business Enterprise Application	3	1	-	40	60	100	4
IT-14702	ICT in Agriculture and Rural Development	3	1	-	40	60	100	4
DEIT-14xxx	Elective-III	3	1	-	40	60	100	4
IT-14703	Engineering Entrepreneurship	3	1	-	40	60	100	4
DEIT-14xxx	Elective-IV	3	1	-	40	60	100	4
PRIT-14701	Major Project	-	-	4	100	100	200	4
IT-14705	Business Enterprise Application Laboratory	-	-	2	30	20	50	1
DEIT-14xxx	Elective-III Laboratory	-	-	2	30	20	50	1
GF-14701	General Fitness		-	-	100	-	100	1
Total		15	05	08	460	440	900	27
		Contact Hours=28						

Seventh/Eighth Semester

Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
TR-14701	Industrial Training-II *	-	-	-	-	900	900	14
TR-14702	Industry Oriented Training	-	-	-	100	-	100	1
Total							1000	15


*In 4th year students will proceed for industrial training-II either in 7th or 8th semester as notified by the concerned department from time to time.

Elective-I

- DEIT-14508 Advanced Computer Networks
- DEIT-14509 Advanced Computer Networks Laboratory
- DEIT-14510 Business Intelligence and its Applications
- DEIT-14511 Business Intelligence and its Applications Laboratory
- DEIT-14512 Digital Image Processing
- DEIT-14513 Digital Image Processing Laboratory
- DEIT-14514 .NET Technologies
- DEIT-14515 .NET Technologies Laboratory
- DEIT-14516 Advanced Web Technologies
- DEIT-14517 Advanced Web Technologies Laboratory
- DEIT-14518 Industry/Need based subject
- DEIT-14519 Industry/Need based subject Laboratory

Elective-II

- DEIT-14607 Advanced Java
- DEIT-14608 Advanced Java Laboratory
- DEIT-14609 Big Data Analytics
- DEIT-14610 Big Data Analytics Laboratory
- DEIT-14611 E-Commerce
- DEIT-14612 E-Commerce Laboratory



DEIT-14613 Embedded Systems in C
DEIT-14614 Embedded Systems in C Laboratory
DEIT-14615 Information Storage and Management
DEIT-14616 Information Storage and Management Laboratory
DEIT-14617 Industry/Need based subject
DEIT-14618 Industry/Need based subject Laboratory

Elective-III

DEIT-14707 Agile Software Development
DEIT-14708 Agile Software Development Laboratory
DEIT-14709 Bioinformatics
DEIT-14710 Bioinformatics Laboratory
DEIT-14711 Simulation and Modeling
DEIT-14712 Simulation and Modeling Laboratory
DEIT-14713 Mobile Application Development
DEIT-14714 Mobile Application Development Laboratory
DEIT-14715 Cloud Infrastructure and Services
DEIT-14716 Cloud Infrastructure and Services Laboratory
DEIT-14717 Industry/Need based subject
DEIT-14718 Industry/Need based subject Laboratory

Elective-IV

DEIT-14719 Compiler Design
DEIT-14720 IT in Forensic Sciences
DEIT-14721 Optimization Techniques
DEIT-14722 Multimedia Systems
DEIT-14723 Corporate IT Management
DEIT-14724 Research Methodologies

Open Electives

OEIT-14601 IT enabled services
OEIT-14602 Management Information System

Agenda Item-2

2.1 Finalize syllabus of 5th semester for scheme-2014 for Batch 2014 onwards



After discussion and deliberation, necessary modifications have been incorporated in the proposed Syllabi of subjects of fifth semester of B.Tech. Information Technology.

Committee approved the Syllabus and authorized Chairman BOS for further changes if required.

Approved

2.2 Finalize syllabus of 6th semester for scheme-2014 for Batch 2014 onwards

After discussion and deliberation, necessary modifications have been incorporated in the proposed Syllabi of subjects of sixth semester of B.Tech. Information Technology.

Committee approved the Syllabus and authorized Chairman BOS for further changes if required.

Approved

Agenda Item 3

3.1 Approval for panel of externals for B.Tech(IT) and M.Tech(IT) part-time.

Approved

Meeting ended with the vote of thanks



**HOD (IT) cum Chairman
Board of Studies**

Distributions:

1. Director, GNDEC, Ludhiana for kind information
2. All Members of BOS(IT)
3. Dean Academics, GNDEC, Ludhiana
4. BOS File
5. Faculty of the department of IT

3/15/16 (Darsan Singh S.S.)
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