

Guru Nanak Dev Engineering College, Ludhiana
Department of Information Technology

Ref. No.: IT/100/1525

Dated: 23-12-15

Minutes of 3rd meeting of Board of Studies of Information Technology department held on 23.12.2015 at 9:30 am in the college committee room.

Following members were present:

1. Dr. Kulwinder Singh Mann, Associate Professor & Head, Department of Information Technology, GNDEC, Ludhiana (Chairman)
2. Dr. Akshay Girdhar, Associate 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, Associate Professor SUSCET, Ferozepur (Member)
8. Er. Nitish Mahajan, MD, Conjoinix Technology Private Limited, Sector 34-A, Chandigarh (Member) (not attended the meeting)

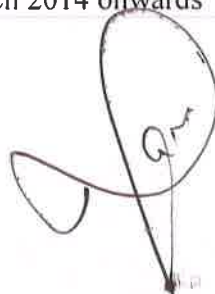
The meeting started with welcome address by chairman BOS, and the already circulated agenda was put up for discussion. Following decisions were taken unanimously:

Proceedings:

Agenda-Item-1

1.1 Finalize New Scheme for 4th to 8th Semester of Information Technology for Batch 2014 onwards

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

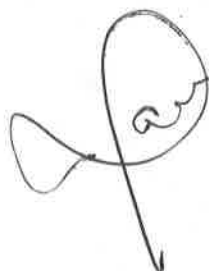


Committee approved the scheme-2014 and authorized Chairman BOS for further changes if required.

Approved

Fourth Semester

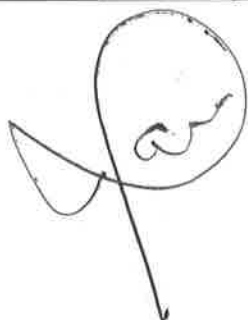
Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
IT-14401	Database Management Systems	3	1	-	40	60	100	4
CS-14402	Operating Systems	3	1	-	40	60	100	4
IT-14403	Data Communication & Computer Networks	3	1	-	40	60	100	4
IT-14404	Web Technologies	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



IT-14410	General Fitness	-	-	-	100	-	100	-
Total		15	5	13	450	400	850	27
		Contact Hours= 33						

Fifth Semester

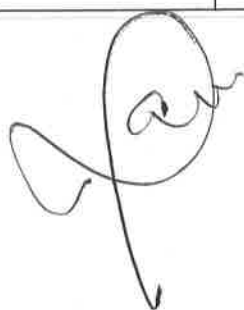
Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
IT-14501	Discrete Mathematics	3	1	-	40	60	100	4
IT-14502	Programming in Java	3	1	-	40	60	100	4
IT-14503	Theory of Computation	4	1	-	40	60	100	5
IT-14504	Human Computer Interaction	3	1	-	40	60	100	4
IT-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
IT-14xxx	Elective-I Laboratory	-	-	2	30	20	50	1
IT-14507	Industrial Training-I*				60	40	100	2
Total		16	5	09	350	400	750	28
		Contact Hours= 30						



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

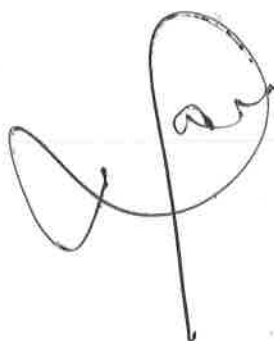
Sixth Semester

Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
IT-14601	Information Assurance and Security	4	1	-	40	60	100	5
IT-14602	Software Engineering and Testing	4	1	-	40	60	100	5
IT-14xxx	Elective-II	3	1	-	40	60	100	4
IT-14xxx	Elective-III	3	1	-	40	60	100	4
IT-14603	Probability and Statistics	3	0	-	40	60	100	3
IT-14604	Software Engineering and Testing Laboratory	-	-	4	30	20	50	2
IT-14xxx	Elective-II Laboratory	-	-	4	30	20	50	2
IT-14605	Information Assurance and Security Laboratory	-	-	4	30	20	50	2
IT-14606	General Fitness		-	-	100	-	100	-
Total		17	4	12	390	360	750	27
		Contact Hours= 33						



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	0	-	40	60	100	3
IT-14xxx	Elective-IV	3	1	-	40	60	100	4
IT-14703	Engineering Entrepreneurship	3	1	-	40	60	100	4
IT-14xxx	Open Elective	3	0	-	40	60	100	3
IT-14704	Major Project	-	-	5	100	100	200	5
IT-14705	Business Enterprise Application Laboratory	-	-	2	30	20	50	1
IT-14xxx	Elective-IV Laboratory	-	-	2	30	20	50	1
IT-14706	General Fitness		-	-	100	-	100	-
Total		15	03	09	460	440	900	25
		Contact Hours=27						



Seventh/Eighth Semester

Course Code	Course Name	Load Allocation			Marks Distribution		Total Marks	Credits
		L	T	P	Internal	External		
IT-14801	Industrial Training-II *	-	-	-	450	300	750	20

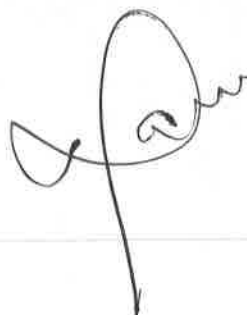
*In 4th year students will proceed for industrial training-II either in 7th or 8th semester as notified by the concerned department from time to time.

Elective-I

- IT-14508 Advanced Computer Networks
- IT-14509 Advanced Computer Networks Laboratory
- IT-14510 Data Mining and Data Warehousing
- IT-14511 Data Mining and Data Warehousing Laboratory
- IT-14512 Digital Image Processing
- IT-14513 Digital Image Processing Laboratory
- IT-14514 .NET Technologies
- IT-14515 .NET Technologies Laboratory
- IT-14516 Advanced Web Technologies
- IT-14517 Advanced Web Technologies Laboratory
- IT-14518 Industry/Need based subject
- IT-14519 Industry/Need based subject Laboratory

Elective-II

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



IT-14613 Business Intelligence and its Applications
IT-14614 Business Intelligence and its Applications Laboratory
IT-14615 Information Storage and Management
IT-14616 Information Storage and Management Laboratory
IT-14617 Industry/Need based subject
IT-14618 Industry/Need based subject Laboratory

Elective-III

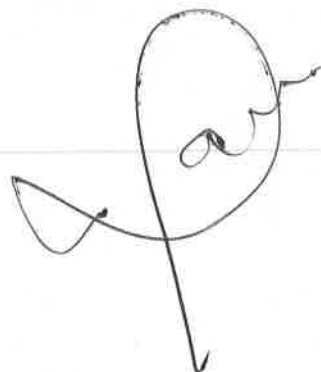
IT-14619 Compiler Design
IT-14620 IT in Forensic Science
IT-14621 Optimization Techniques
IT-14622 Multimedia Systems
IT-14623 Corporate IT Management
IT-14624 Research Methodologies

Elective-IV

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

Open Electives

IT-14719 IT enabled services



IT-14720 Corporate IT Management
IT-14721 Soft Computing
IT-14722 Management Information System
IT-14723 Object Oriented Analysis and Design
IT-14724 Digital Image Processing
IT-14725 IT Tools for Engineers

Agenda Item-2

2.1 Finalize syllabus of 4th semester for scheme-2014 for Batch 2014 onwards

After discussion and deliberation, necessary modifications have been incorporated in the proposed Syllabi of subjects of fourth 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 Introduction of new non credit subject Personality Development & Mentoring in each semester (except training semester of final year) from batch 2015 onwards and this course will be replacement of general fitness subject.

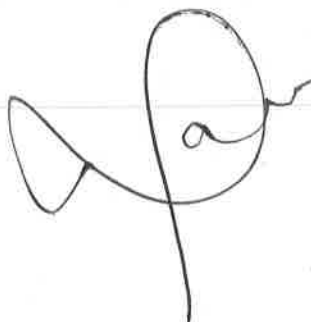
It is suggested by BOS members that Personality Development & Mentoring should be credit based course. It is further decided that it will be discussed in next BOS.


Agenda Item 4

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

Approved

Meeting ended with the vote of thanks

A handwritten signature in black ink, consisting of a large, stylized 'P' followed by a smaller 'a' and a long vertical line extending downwards.



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

Distributions:

1. Director, GNDEC, Ludhiana for kind information
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3. Dean Academics, GNDEC, Ludhiana
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5. Faculty of the department