



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

BOARD OF STUDIES MEETING

DATE : 21/03/2018
VENUE : COE-office, NHCE
TIME : 10.00 am to 1.30 pm

Chairman BOE
Department of Information Science
New Horizon College of Engineering (Autonomous)
Bangalore-560103

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AGENDA FOR THE MEETING

- **Agenda 1** Recommendation and approval of scheme and syllabus for B.E VII & VIII semesters, ISE program.
- **Agenda 2** Recommendation and approval of course outcomes for each of the proposed courses.
- **Agenda 3** Recommendation and approval for changes in the schema for other B.E semesters for the batch 2015 and 2016.
- **Agenda 4** Recommendation and approval for changes in the schema and syllabus for other B.E semesters for the batch 2017 onwards.
- **Agenda 5** Recommendation for the Equivalence courses for mapping VTU to autonomous batch.

LIST OF MEMBERS

Sl. No	Category	Nomination of the committee	Name of the person
1	Head of the Department	Chairperson	Dr.Jitendranath Mungara
2	Faculty member at different level with different specialization	Member	
		1	Dr. GuruPrasad.N
		2	Dr. MohanKumar.S
		3	Dr.Vishwanath Y
		4	Mrs. Rajeswari.S
		5	Mrs.Vandana C P
		6	Mr Gangadhar Immadi
		7	Mrs. Swathi.B
		8	Mrs. Mounica .B
		9	Mrs. Shanmugam Shoba
		10	Mrs. Rafega Beham.A
		11	Mrs. Karthiyayini
		12	Mrs. Shwetha K.S
		13	Mrs. Kavitha K.K
		14	Mrs Prakruthi S.T
		15	Mr Vikas B.O
		16	Mrs. Preethi J.D
		17	Mrs. Gowri Prasad
18	Mr. Vishwajit M.V		
3	Subject Experts from Outside the College nominated by Academic	1	Dr. Rajanikanth, Former Principal - MSRIT & NBA Consultant

	Council		
4	Expert from Outside College ,Nominated by Vice-Chancellor	1	VTU Nominee
5	Representive from Industry / Corporate sector / allied area relating to Placement nominated by Academic Council	1	Dr. Anjaneyalu, Principal Research Scientist, Infosys Technologies
6	Meritorious Alimnus Nominated by Principal	1	Mr.Ranjan Das Gupta, Business Analyst , British Telecom

LIST OF MEMBERS PRESENT

Sl. No.	Name	Signature
1	Dr. Rajanikanth	K. Rajan
2	Dr. Anjaneyalu	A. Anjaneyalu
3	Mr. Ranjan Das Gupta	Ranjan Das Gupta 21/03/18
4	Dr. Jitendranath Mungara	J. Mungara
5	Dr. GuruPrasad.N	G. Prasad N 21/3/18
6	Dr. MohanKumar.S	M. Mohan Kumar S 21/3/18
7	Dr. Vishwanath Y	V. Vishwanath Y 21/3/18
8	Mrs. Rajeswari.S	R. Rajeswari S 21/3/18
9	Mrs.Vandana C P	V. Vandana C P 21/3/18
10	Mr. Gangadhar Immadi	G. Immadi 21/3/18

11	Mrs. Swathi.B	<i>P.Soni</i>
12	Mrs. Mounica .B	<i>B. S.</i> 21/3/18
13	Mrs. Shanmugam Shoba	<i>Shanmugam</i>
14	Mrs. Rafega Beham.A	<i>Rafega</i>
15	Mrs. Karthiyayini	<i>Karthiyayini</i> 21/3/18
16	Mrs. Shwetha KS	<i>Shwetha</i> 21/3/18
17	Mrs. Kavitha K.K	<i>Kavitha</i> 21/03/18
18	Mrs. Prakruthi S.T	<i>Prakruthi</i> 21/3/18
19	Mr. Vikas B.O	<i>Vikas</i> 21/3/18
20	Mrs. Preethi J.D	<i>Preethi J.D.</i> 21/3/18.
21	Mrs. Gowri Prasad	<i>Gowri</i> 21/3/18.
22	Mr. Vishwajit M.V	<i>Vishwajit M.V.</i> 21/3/18.

WELCOME ADDRESS BY THE CHAIRMAN OF BOS AND INTRODUCTION OF MEMBERS

Minutes

Dr. Jitendranath Mungara, Chairperson of BOS, Professor & Head -Department of ISE welcomed the BOS Committee members.

HOD presented the agenda of today's meeting and facilitated the copy of agenda to all the members. He introduced the Internal and External BOS members to each other. BOS members were provided with proposed Syllabus & Scheme (7th & 8th Semester) and syllabus book of UG 3rd, 4th, 5th and 6th semesters and stationery items required for effective discussion and conduction. The proposed syllabus for necessary scrutinizing and recommendation was presented to BOS committee.

AGENDA -1

TITLE

Recommendation of scheme and syllabus for B.E VII & VIII semesters, ISE program.

Minutes

All the courses were presented and based on BOS scrutiny and discussion, with the following understated recommendation, scheme and syllabus for BE VII & VIII semester is approved.

1. Credit definition to be followed for all courses. For eg: Course with L:P:T:S with 3:2:0:0 should have 3 hours of theory and 4 hours of laboratory per week.
2. In the course syllabus, all the textbooks and reference books to be mentioned with full details about the author, year, and publisher details.
3. Suggested to refine the subject syllabus to include minimum one textbook and maximum two, however reference books can be many.
4. BOS recommended to design a new course which would integrate introduction to analog, digital electronics and microprocessor. Some of the fundamental microprocessor concepts can be added to Computer Organization course. Lab component can be refined to include logic design and assembly language programming. This suggestion is for future academic curriculum planning.

Comments related to 7th semester Schema

1. **Fundamentals of Machine Learning**, ISE71 course credit to be increased to 5 with distribution 3:2:0:0.
2. **Software testing and automation** ISE72 course credit to be reduced to 4 with distribution as 3:1:0:0.
3. **User Interface Design** ISE743 and **Human Computer Interaction** ISE754 courses are overlapping and suggested to remove ISE754.
4. **Mini Project** ISE56 suggested to be executed as Mini project in Operating System so that students gets better understanding and application of OS.

Comments related to 8th semester schema

1. Advised not to include any core course in 8th semester. Hence, suggested to remove the course ISE81 **Management Information System**.
2. 8th semester schema suggested to include Project work of 20 credits, Technical seminar of 1 credit and Open Elective (NHOPx) of 4 credits. This would enable the students to concentrate better and excel in their final year projects done at industry.

Comments related to 7th semester Course syllabus

Semester	Sl. No.	Course Code	Course Name	Comments
7 th Semester	1	ISE71	Fundamentals of machine learning	<ol style="list-style-type: none"> 1. Module 1 - Appreciated to include mathematical models and fundamentals. 2. Correction suggested in the lab program to "Write and build applications for implementing backpropagation algorithm". 3. No language to be enforced on students 4. Coursera (<u>Andrew Ng</u>) is suggested to be included in reference section
	2	ISE72	Software testing and automation	<ol style="list-style-type: none"> 1. Module 1 - Remove introduction and include validation and verification, static and dynamic testing, types of testing. 2. Lab programs appreciated. 3. Junit testcases and automation

				<p>scripts to be included</p> <p>4. Selenium based testing to be shifted to last module.</p>
	3	ISE731	Object Oriented Modelling and Design	<p>1. Syllabus to be framed as Object Oriented design and methodology.</p> <p>2. Suggested to reframe the ordering of the models starting with Usecase model, Object/Class, Sequence model etc.</p>
	4	ISE732	C# and .NET	<p>1. Module 2 - to be removed as it is installation based concepts.</p> <p>2. Advanced concepts like networking, in-memory model to be included.</p>
	5	ISE733	Artificial Intelligence	<p>1. No prolog language, instead use Scala or Python.</p> <p>2. Textbooks to be changed and updated with latest version.</p>
	6	ISE744	Software Architecture	<p>1. Reference book section to be revisited and refined.</p>
	2	ISE751	Enterprise Application Programming	<p>1. Assessment method to be identified since it is hand-on based syllabus.</p>
	3	ISE752	Software Network Analysis	<p>1. Module 1 - to be refined to include more content.</p> <p>2. Module 5- Suggested to include D3 package for visualization tool.</p>

AGENDA -2

TITLE

Recommendation and approval of course outcomes for each of the proposed courses.
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Minutes

All the courses were presented and based on BOS scrutiny and discussion, with the following understated recommendation, course outcomes for the respective proposed courses is approved.

Artificial Intelligence ISE733 : Advised not to mandate use of PROLOG language in AI in C06 .

AGENDA -3

TITLE

Recommendation and approval for changes in the schema for other B.E semesters for the batch 2015 and 2016.

Minutes

Following refinements are approved based on BOS discussion and scrutiny.

- Credit modification proposed for the course "Technical Seminar" in VIII semester to reduce by 1 credit for 2015 batch.
- Credit modification for the courses "Operating systems" ISE53 and "Software Engineering" ISE51 in V semester is approved. Increase in 2 credits for the courses ISE51 and ISE53 for 2016 batch.

AGENDA -4

TITLE

Recommendation and approval for changes in the schema and syllabus for other B.E semesters for the batch 2017 onwards.

Minutes

Following refinements are approved based on BOS discussion and scrutiny.

- Lab component of "Unix Shell Programming", ISE36 course removed and Mini Project component added to USP course in III semester.
- Introducing a new course "DMS>" in IV semester. Appreciated by BOS.
- Introduction of "FAFL" Course in V semester instead of previously introduced course "Java and J2EE". Suggested to refine the syllabus of FAFL course referring GATE competitive exam.
- Removal of "File Structures" course in VI semester & Introducing "Java & J2EE" course in VI semester.

AGENDA -5**TITLE**

Recommendation for the Equivalence courses for mapping VTU to autonomous batch.

Minutes

Following equivalence mapping is approved by BOS

1. Course **Design & Analysis of Algorithm 10CS43**, already taken up in VTU 4th semester, hence can be exempted from course Design and Analysis of Algorithm ISE54 in Vth semester Autonomous.
2. 16ISE36 MiniProject and 16ISE46 MiniProject to be covered in Autonomous.
3. Following courses needs to be covered as a part of Autonomous curriculum.
15HE17 Essential English
16HSS422 Life Skills for Engineers
16HSS321 Introduction To Economics.

RECOMMENDATIONS OF THE BOARD

1. All the courses were presented and based on BOS scrutiny and discussion, scheme and syllabus for BE VII & VIII semester is approved with recommendations.
2. Credit definition to be followed for all courses. For eg: Course with L:P:T:S with 3:2:0:0 should have 3 hours of theory and 4 hours of laboratory per week.
3. BOS recommended to design a new course which would integrate introduction to analog, digital electronics and microprocessor. Some of the fundamental microprocessor concepts can be added to Computer Organization course. Lab component can be refined to include logic design and assembly language programming. This suggestion is for future academic curriculum planning.
4. Course Outcomes for the proposed courses were discussed and scrutinized and approved.
5. Credit modification is proposed for the course "Technical Seminar" in VIII semester in batch 2015. Additional 1 credit is reduced to the "Technical Seminar" course. After BOS scrutiny, the modification is approved.
6. Credit modification is proposed for the course "Operating systems" and "Software Engineering and best practices" in V semester for batch 2016. Additional 2 credits is added to the above stated courses. After BOS scrutiny, the modification is approved.
7. The changes in the schema and syllabus for other B.E semesters for the batch 2017 were discussed, scrutinized and approved.
8. The suggested equivalence courses for mapping VTU to autonomous batch were discussed, scrutinized and approved.

Name and Signatures of all the Attendees:

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Sl. No.	Name	Signature	Sl. No.	Name	Signature
1	Dr. RAJANEKANTH	K. Rajan	14	Mrs. K. K. KAVITHA	K. K. Kavitha 21/03/18
2	Dr. ANJANEYULU	Anjaneyulu	15	S. RAJESWARI	S. Rajeswari 21/3/18
3	Mr. RANJAN DAS	Ranjan Das 21/03	16	M.S. Shobha	M.S. Shobha 21/3/18
4	Dr. JITENDRANATH	Jitendranath	17	Gangadhar Immadi	Gangadhar Immadi 21/3/18
5	Dr. N. GURUPRASAD	N. Guruprasad	18	Gowri Prasad	Gowri Prasad 21/3/18
6	Dr. S. Mohankumar	S. Mohankumar 21/3/18	19	Vandana C.P	Vandana C.P 21/3/18
7	Dr. Vishwanath Y	Vishwanath Y 21/3/18	20	VIKAS-B.O	Vikas-B.O 21/3/18
8	J. Kulkariyayini	J. Kulkariyayini 21/3/18	21	Vishwajith M.V.	Vishwajith M.V. 21/3/18
9	B. Mounica	B. Mounica 21/3/18	22	Prakrathi S.T.	Prakrathi S.T. 21/3/18
10	B. Swathi	B. Swathi 21/3/18	23		
11	A. Rajeevaram	A. Rajeevaram 21/3/18	24		
12	Ms. Shweta K.S.	Ms. Shweta K.S. 21/3/18	25		
13	Ms. Preeti J.D.	Ms. Preeti J.D. 21/3/18	26		

VOTE OF THANKS BY THE CHAIRMAN-BOS

BOS Chairman delivered Vote of thanks. BOS Chairman thanked each and every member for their contribution and completion of BOS Meeting successfully.