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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Program Name : M.Tech. in Software Engineering				
Syllabus Revision for the Academic Year 2017-2018				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	172SO1T01	Software Requirements And Estimation	0
2	I	172SO1T02	Software Metrics And Reuse	0
3	I	172SO1T03	Software Project And Process Management	0
4	I	172SO1T04	Big Data Analytics	35
5	I	172SO1E01	Web Technologies	0
6	I	172SO1E02	Middleware Technologies	100
7	I	172SO1E03	Mobile Computing	100
8	I	172SO1E04	E-Commerce	0
9	I	172SO1E05	Scripting Languages	0
10	I	172SO1E06	ERP & Supply Chain Management	0
11	I	172SO1L01	Web Technologies & Big Data Analytics Lab	0
12	II	172SO2T05	Software Architecture And Design Patterns	0
13	II	172SO2T06	Software Quality Assurance And Testing	0
14	II	172CO2T06	Cyber Security	0
15	II	172SO2T07	Service Oriented Architectures	0
16	II	172SO2E07	Secure Software Engineering	0
17	II	172SO2E08	Systems Engineering	0
18	II	172SO2E09	Soft Computing	100
19	II	172SO2E10	User Interface Design	0
20	II	172CO2E08	Cloud Computing	80
21	II	172CO2E09	Internet Of Things	100
22	II	172SO2L02	Software Testing & Design Patterns Lab	0
Total number of courses in the academic year 20107-2018				= 22
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018				6
Percentage of syllabus revision carried out in the academic year 2017-2018 = (49/135)*100				= 27.27%

Program Coordinator

Head of the Department

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Department of Information Technology

Date: 31-05-2017

I BOS Minutes of Meeting held on 29/05/2017

The 1st meeting of BOS of IT was held on 29th May 2017 at 10.00AM, Ajivika Conference Hall, Bill Gates Bhavan. Dr. R. Srinivas, Chairperson presided over the meeting.

Agenda 1.1: Welcome address by Chairperson-BOS.

Dr.R. Srinivas, BOS Chairperson invited the distinguished members of BOS to the I BOS Meeting.

Agenda 1.2: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

The Chairperson presented the Vision and Mission of the department and Program Educational Objectives (PEOs),Program Outcomes(POs) and Program Specific Outcomes(PSOs) of the Programs under the Department and the BOS members have ratified the same.

Agenda 1.3: Discussion on proposed AR17 Program Structures of B.Tech (IT) and M.Tech (Software Engineering), and ratification of the same.

The members of BOS suggested the following changes to the proposed B.Tech (IT) AR17 course structure:

• Suggested to move Java Programming to II-II semester and Python Programming to III-I semester.

• Suggested to design Java Lab programs as per the industry standards.

• Recommended to include Neural Networks as an elective in III-II semester.

• Strongly Recommended to include Distributed Systems as compulsory subject in IV-I Semester.

• The BOS members discussed about the new courses. The percentage of new courses introduced in this academic year 2017-2018 for B.Tech (IT) is 4% and M.Tech (Software Engineering) is 18.18%. The list of new courses is enclosed as Annexure-I.

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• The percentage of courses revised in this academic year 2017-2018 for B.Tech (IT) is 16% and M.Tech (Software Engineering) is 27.27%. The list of courses revised is enclosed as Annexure-II.

• The BOS members expressed, some courses need to focus on employability skills, BOS chairperson expressed the courses enhance the employability skills. BOS members approved M. Tech (Software Engineering) course structure and ratified the same.

Agenda 1.4: **Discussion on proposed AR17 B.Tech (IT), M.Tech (Software Engineering) programs I & II semesters syllabus and ratification of the same.**

The members of BOS ratified the AR17 B.Tech (IT), M.Tech (Software Engineering) programs I & II semesters syllabus. The Members ratified the core elective courses and open elective courses.

Agenda 1.5: **Ratification of the proposed model question papers for sessional and external examinations of AR17 B.Tech, M.Tech programmes.**

Members of BOS ratified the proposed model question papers for sessional and external examinations of AR17 B.Tech(IT), M.Tech(Software Engineering) programmes.

Agenda 1.6: **Finalization of Experts from reputed institutions for setting question paper and valuation of answer scripts.**

Members of BOS ratified the Experts from reputed institutions for setting question paper and valuation of answer scripts.

Agenda 1.7: **Analysis of Results**

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2016-17 and noted the same.

Agenda 1.8: **Analysis of Students Feedback & Action Taken Report**

The Chairperson expressed the students' feedback and action taken report. Members of BOS noted the students' feedback and action taken report process initiated at the end of each semester. The BOS members noted the same.

Agenda 1.9: **Analysis of Stakeholder's Feedback on Curriculum**

The BOS Chairperson presented the analysis of Feedback on Curriculum which is taken from the various Stakeholders. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure-III.

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Agenda 1.10: Any other item/s

- The BOS Members suggested to reduce Employability skills credits from 4 to 2.

- Suggested to increase credits for Main Project and the same is approved.

- Suggested to prepare syllabus of HCI, E-Commerce, Operating Systems as per Industry Standards.

- Suggested to appoint an Internal Department Co-Ordinator for checking the quality of Question papers.

- Suggested to utilize faculty who were expertized in domains like Data mining, Networks etc. during Project reviews so that quality output of projects can be obtained.

- Suggested to provide internal choice for MOOCS, NPTEL, and Coursera etc.so that student can choose a particular course, complete it and get the Certificate.

Agenda 1.11: Scheduling of the next BOS meeting.

The next BOS meeting is tentatively scheduled for the month of November/ December 2017.

Agenda 1.12: Vote of Thanks

The Chairperson presented the Vote of Thanks.

BOS Chairperson

Head of the Department
Department of IT
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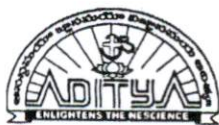
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Annexure I

List of New Courses in the Academic Year 2017-18

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (IT)	IV	R1622121	Computer Graphics
2	B. Tech (IT)	IV	R1622122	E-Commerce
3	B. Tech (IT)	IV	R1622123	Object-Oriented Analysis and Design using UML
4	M. Tech (SE)	I	172SO1E02	Middleware Technologies
5	M. Tech (SE)	I	172SO1E03	Mobile Computing
6	M. Tech (SE)	II	172SO2E09	Soft Computing
7	M. Tech (SE)	II	172CO2E09	Internet Of Things

BOS Chairperson

Head of the Department
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Annexure II

List of Courses Revised in the Academic Year 2017-18

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (IT)	I	171BS1T01	Mathematics – I
2	B. Tech (IT)	I	171BS1T02	Mathematics – II
3	B. Tech (IT)	I	171BS1T04	Applied Physics
4	B. Tech (IT)	I	171HS1L01	English Communication Skills Lab- I
5	B. Tech (IT)	I	171ES1L01	Computer Programming Lab
6	B. Tech (IT)	II	171BS2T06	Mathematics – III
7	B. Tech (IT)	II	171HS2T02	Environmental Studies
8	B. Tech (IT)	II	171BS2T05	Applied Chemistry
9	B. Tech (IT)	IV	R1622054	Computer Organization
10	M. Tech (SE)	I	172SO1T04	Big Data Analytics
11	M. Tech (SE)	II	172CO2E08	Cloud Computing

BOS Chairperson

Head of the Department
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Annexure III

Action Taken Report on Stakeholders Feedback in the Academic Year

2017-18

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	1.8	Students should have effective communication skills and good command of accents.	English Communication Skills Lab-I, and English Communication Skills Lab-II courses will be introduced.
2	1.3	Students should learn the programming subjects from basic level to industry level.	Computer Programming, Object-Oriented Programming Through C++, Java Programming, and Python Programming courses will be introduced.
3	1.8	Include a seminar course that will make students industry-ready presentations.	As per the suggestion, the Seminar course will be added in the coming semesters.
4	1.3	Basic knowledge of every domain should be provided.	Subjects related to the mechanical department like Engineering Drawing, Engineering Mechanics, and Engineering Workshop & IT Workshop will be introduced.
5	1.8	Suggested to prescribe textbooks that have global acceptance	As per the suggestion given all the prescribed textbooks for all courses were in accordance with global acceptance.
6	1.4	Elective Courses should have a blend of courses which have a	Suggestions will be taken into consideration and in future semesters, in each professional

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		focus on employability and domain knowledge	elective course 2 subjects will be focused on employability, and 2 subjects will be focused on providing domain knowledge.
7	1.3	Should have more knowledge of Microsoft Tools.	Engineering Workshop & IT Workshop course has been introduced.
8	1.8	Deep Knowledge of Data Structures should be imparted.	Data Structures through C, Advanced Data Structures courses have been introduced
9	1.4	Introduce more elective courses to provide a choice of subjects to chosen to support Choice Based Credit System	V Semester onwards every semester 4 professional elective courses are introduced.
10	1.8	Data Structures lab should be provided.	Taken into consideration and can be implemented in the next regulation.
11	1.8	Engineering Workshop & IT workshop should be divided into 2 labs	Taken into consideration and can be implemented in the next regulation.
12	1.3	Some Courses should focus on providing the basic knowledge of the domain	Data Structures through C++ Lab has been introduced.

BOS Chairperson

Head of the Department
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