
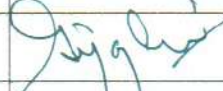

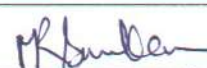
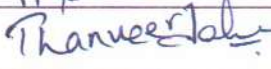


**VAAGDEVI COLLEGE OF ENGINEERING**  
**(Autonomous)**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**BOARD OF STUDIES MEETING**

Minutes of meeting of Board of studies in Computer Science and Engineering held on **30-06-2018 at 10:30am.**

**Members Present:**

S.No	Name and Address	Designation	Signature
1	Dr. V. Janaki Professor & Head, CSE	Chairman	
2	Dr.G.Vijaya Kumari Professor, CSE-JNTUH CEH.	Member (Univ. Nominee)	
3	Prof. DVLN. Somayajulu Professor, NITW	Member (Subject Expert)	
4	Dr. Chakravarthy Bhagavati Professor, SCIS, University of Hyderabad.	Member (Subject Expert)	
5	Dr.M. Ravisankar Professor, VCE	Member	
6	Dr. Thanveer Jahan Associate Professor, VCE	Member	
7	Mr. B. Aravind Software Engineer, IBM.	Member (Alumni Member)	
8	Mr. Sekhar Babu Madala Managing Director, CSSI.	Member (Industry Representative)	


It is decided to approve the course structure of B.Tech. (R18 regulations) for I, II, III and IV years I and II semesters, and M.Tech.( R18 regulations) for I and II years of CSE, CNIS and SE specializations with the following changes in order to be in line with AICTE/ JNTUH norms/regulations.

1. In B.Tech. course structure,

- i. Chemistry Lab is to be included in I year to meet the required HSMC credits.
- ii. As programming is a basic course it is advised to allocate 3 hours of practicals with 1.5 credits.
- iii. Machine Learning is to be included as core subject and Mobile Application Development is to be included in PE-I. These two subjects must be completed before IV year I Semester so as to help the students in performing their mini projects.
- iv. 5G Technology/ Embedded systems can be included as a part of open elective subjects.

2. In M.Tech.(CSE,SE,CNIS)specializations, it is decided to spread the subjects in to third semester on par with AICTE.

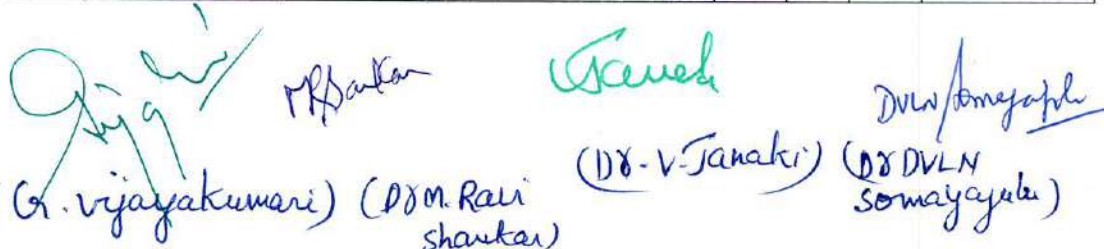
3. Approved the syllabi of B.Tech. (R18-Regulations) for I, II, III, & IV Year I and II Semesters and also approved the syllabi of M.Tech (R18-Regulations)-CSE, CNIS and SE specializations for I & II Year I and II Semesters.

  
**CHAIRMAN**  
**Board of studies**

**VAAGDEVI COLLEGE OF ENGINEERING**  
**AUTONOMOUS**  
**COMPUTER SCIENCE & ENGINEERING**  
**COURSE STRUCTURE**

I YEAR			I SEMESTER			
S. No.	Course Code	Subject	L	T	P	Credits
1	BSC	Linear Algebra and Calculus	3	1	0	4
2	BSC	Applied Physics	4	0	0	4
3	HSMC	English	2	0	0	2
4	ESC	Engineering Graphics	1	0	4	3
5	ESC	Programming for Problem Solving	3	0	0	3
6	BSC	Applied Physics Lab	0	0	3	1.5
7	ESC	Programming for Problem Solving Lab	0	0	2	1
8	MC	Induction Program	-	-	-	0
<b>Total Credits</b>			<b>13</b>	<b>1</b>	<b>09</b>	<b>18.5</b>

I YEAR			II SEMESTER			
S.No	Course Code	Subject	L	T	P	Credits
1	BSC	Differential Equations and Vector Calculus	3	1	0	4
2	ESC	Basic Electrical & Electronics Engineering	3	0	0	3
3	BSC	Engineering Chemistry	3	1	0	4
4	HSMC	English Language Communication Skills Lab	0	0	2	1
5	ESC	Basic Electrical & Electronics Engineering Lab	0	0	3	1.5
6	ESC	Engineering Workshop & IT Workshop	0	0	3	1.5
7	BSC	Chemistry Lab	0	0	3	1.5
8	MC	NSS	-	-	-	0
<b>Total Credits</b>			<b>09</b>	<b>2</b>	<b>11</b>	<b>16.5</b>


  
 (Dr G. vijayakumari) (Dr M. Ravi Shankar) (Dr V. Janaki) (Dr DVLN Somayajulu)

(Dr Thameer Jahan)

## II YEAR

## I SEMESTER

S.No	Course Code	Subject	L	T	P	Credits
1	PCC	Mathematical Foundations of Computer Science	4	0	0	4
2	ESC	Digital Logic Design & Micro Processors	3	0	0	3
3	PCC	Database Management Systems	4	0	0	4
4	PCC	Data Structures through C++	4	0	0	4
5	PCC	Computer Organization & Architecture	4	0	0	4
6	ESC	Digital Logic Design & Micro Processor Lab	0	0	3	1.5
7	PCC	Database Management Systems Lab	0	0	3	1.5
8	PCC	Data Structures through C++ Lab	0	0	3	1.5
9	MC	Environmental Science	2	0	0	0
<b>Total</b>			<b>21</b>	<b>0</b>	<b>9</b>	<b>23.5</b>

## II YEAR

## II SEMESTER

S.No	Course Code	Subject	L	T	P	Credits
1	BSC	Statistical Methods for Engineers	3	0	0	3
2	PCC	Design and Analysis of Algorithms	3	1	0	4
3	PCC	Formal Languages and Automata Theory	3	0	0	3
4	PCC	Operating Systems	4	0	0	4
5	PCC	Managerial Economics & Financial Accountancy	3	0	0	3
6	PCC	Operating Systems Lab	0	0	3	1.5
7	PCC	Web Technologies Lab—I	0	0	2	1
8	PCC	Gender Sensitization	2	0	0	0
<b>Total</b>			<b>18</b>	<b>1</b>	<b>5</b>	<b>19.5</b>

(Dr. G. Vijayakumari) (Dr. M. Ravi Shankar) (Dr. V. Janaki) (Dr. DVLN Somayajulu)
   
 (Dr. Thameer Jahan)

## III YEAR

## I SEMESTER

S.No	Course Code	Subject	L	T	P	Credits
1	PCC	Data Communications & Computer Networks	3	0	0	3
2	PCC	Compiler Design	3	1	0	4
3	PCC	Software Engineering	3	0	0	3
4	PCC	Machine Learning	3	0	0	3
5	PE-I	1.Principles of Programming Languages	3	0	0	3
		2.Computer Graphics				
		3. Mobile Application Development				
6	OE-I	1. Intellectual Property Rights	3	0	0	3
		2.Disaster Management				
		3.Management science				
7	PCC	Computer Networks and Compiler Design Lab	0	0	3	1.5
8	PCC	Machine Learning Lab	0	0	3	1.5
9	MC	Indian Constitution	2	0	0	0
<b>Total</b>			<b>20</b>	<b>1</b>	<b>6</b>	<b>22</b>

## III YEAR


## II SEMESTER


S.No	Course Code	Subject	L	T	P	Credits
1	PCC	Network Programming	3	0	0	3
2	PCC	Software Testing	3	0	0	3
3	PCC	Data Warehousing and Data Mining	3	0	0	3
4	PCC	Web Services	3	0	0	3
5	PE-II	1. Advanced DBMS	3	0	0	3
		2. Design Patterns				
		3. Open Source Software				
6	OE-II	1.Air pollution Control	3	0	0	3
		2.Biomedical Instrumentation				
		3.Digital Image Processing				
7	HSMC	Advanced English Communication Skills Lab	0	0	3	1.5
8	PCC	Network Programming Lab	0	0	3	1.5
9	PCC	Data Mining and SE Lab	0	0	3	1.5
9	MC	Logical Reasoning & Quantitative Analysis	2	0	0	0
<b>Total</b>			<b>20</b>	<b>0</b>	<b>9</b>	<b>22.5</b>


(Dr. G. Vijaya Kumari) (Dr. M. Ravi Shankar) (Dr. V. Janaki)

(Dr. DVLN Somayajulu)

IV YEAR			I SEMESTER			
S.No	Course Code	Subject	L	T	P	Credits
1	PCC	Network Security & Cryptography	3	0	0	3
2	HSMC	Organizational Behaviour	3	0	0	3
3	PE-III	1. Cloud Computing	3	0	0	3
		2. Information Systems and Auditing				
		3. Artificial Intelligence				
4	PE-IV	1. Soft Computing	3	0	0	3
		2. Business Intelligence and Big Data				
		3. Software Project Management				
5	OE-III	1. Nano Technology	3	0	0	3
		2. Entrepreneurship Development				
		3. Embedded Systems				
6	SI	Mini project & Internship	0	0	0	2
7	PCC	Network Security & Cryptography Lab	0	0	3	1.5
8	PROJ	Major Projects Phase -I	0	0	8	4
9	MC	Human Values & Professional Ethics	2	0	0	0
<b>Total</b>			<b>17</b>	<b>0</b>	<b>11</b>	<b>22.5</b>

  
 (Dr. G. Vijaya Kumari)

  
 (Dr. M. Ravi Shankar)

  
 (Dr. V. Teveshi)

  
 (Dr. DVLN Somayajulu)

  
 (Dr. Tharvesh Jahan)

S.No	Course Code	Subject	L	T	P	Credits
1	PE-V	1. Internet of Things	4	0	0	3
		2. Artificial Intelligence				
		3. Python Programming				
2	PE-VI	1. Cyber Security & Hacking	3	1	0	3
		2. Service Oriented Architecture				
		3. Information Retrieval Systems				
3	PROJ	Seminar	0	0	2	1
4	PROJ	Major Projects Phase -II	0	0	16	8
		<b>Total</b>	<b>7</b>	<b>1</b>	<b>14</b>	<b>15</b>

Grand Total -- 160

*Gijth*  
 (Dr. G. Vijaya  
 Kumari)

*MR Shankar*  
 (Dr. M. Ranu  
 Shankar)

*Kaushik*  
 (Dr. V. Kaushik)

*D.V. Anagapil*  
 (Dr. D.V. Anagapil  
 Somayajulu)

*Thanneer Jahan*  
 (Dr. Thanveer Jahan)

**VAAGDEVI COLLEGE OF ENGINEERING**  
**Department of CSE**  
**M.Tech - Computer Science and Engineering**

Date: 28-06-2018

**I- Sem**

Category	Course Title	L	T	P	C
Core Course I	Data Structures and Algorithms	3	0	0	3
Core Course II	Distributed Systems	3	0	0	3
Program Elective I	1.Internet of Things	3	0	0	3
	2.Machine Learning				
	3.Cloud Computing				
Program Elective II	1.Data Science	3	0	0	3
	2.Advanced Wireless and Mobile Networks				
	3.Scripting Languages				
Audit Course	Research Methodology	2	0	0	2
Audit Course	English for Research Paper Writing	2	0	0	0
Laboratory I	Data Structures and Algorithms Lab	0	0	4	2
Laboratory II	Based on Program specific Electives-I	0	0	4	2
	<b>Total Credits</b>	<b>16</b>	<b>0</b>	<b>8</b>	<b>18</b>

**II - Sem**

Category	Course Title	L	T	P	C
Core Course IV	Network Programming	3	0	0	3
Core Course V	Soft Computing Techniques	3	0	0	3
Program Elective-3	1.Computer Vision	3	0	0	3
	2.Data Preparation and Analysis				
	3.Distributed Databases				
Program Elective-4	1.Digital Forensics	3	0	0	3
	2.Human Computer Interaction				
	3.Software Process and Project Management				
Audit Course	Stress Management	2	0	0	0
Laboratory III	Network Programming Lab	0	0	4	2
Laboratory IV	Based on Program specific Electives-III	0	0	4	2
	Internship	0	0	2	2
	<b>Total Credits</b>	<b>14</b>	<b>0</b>	<b>10</b>	<b>18</b>

**III - Sem**

Program Elective-5	1.Semantic Web & Social Networks	3	0	0	3
	2.Mobile Application and Security				
	3.Compiler for HPC				
Open Elective I	Advanced Optimization Techniques	3	0	0	3
	Waste Management				
	Embedded System Design				
	Dissertation Phase I	0	0	20	10
	<b>Total Credits</b>	<b>6</b>	<b>0</b>	<b>20</b>	<b>16</b>

**IV- Sem**

	Dissertation Phase II	0	0	32	16
	<b>Total Credits</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>16</b>

<b>Grand Total</b>					<b>68</b>
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(Dr G. Vijaya Kumar)

(Dr M. Ran Shankar)

(Dr V. Ganesh)

(Dr DVLN Somayajulu)

(Dr Thameer Sahar)

**VAAGDEVI COLLEGE OF ENGINEERING**  
**Department of CSE**  
**M.Tech - CNIS**

Date: 28-06-2018

**I - Sem**

Category	Course Title	L	T	P	C
Core Course I	Data Structures and Algorithms	3	0	0	3
Core Course II	Network Programming	3	0	0	3
Program Elective I	1.TCP/IP Protocol suit	3	0	0	3
	2.Android Application Development				
	3.Internet of Things				
Program Elective II	1.Ethical Hacking	3	0	0	3
	2.Secure Software Design				
	3.Distributed System Security				
Audit Course	Research Methodology	2	0	0	2
Audit Course	English for Research Paper Writing	2	0	0	0
Laboratory I	Computer Networks and Network Programming	0	0	4	2
Laboratory II	Based on Program specific Electives-I	0	0	4	2
<b>Total Credits</b>		<b>16</b>	<b>0</b>	<b>8</b>	<b>18</b>

**II - Sem**

Category	Course Title	L	T	P	C
Core Course IV	Network Security	3	0	0	3
Core Course V	Wireless Networks	3	0	0	3
Program Elective-3	1.Digital Watermarking and Steganography	3	0	0	3
	2.Security Threats				
	3.IT Security Metrics				
Program Elective-4	1.Biometrics	3	0	0	3
	2.Cyber Security				
	3.Security Assesment and Risk Analysis				
Audit Course	Stress Management	2	0	0	0
Laboratory III	Network Security Lab	0	0	4	2
Laboratory IV	Based on Program specific Electives-III	0	0	4	2
	Internship	0	0	2	2
<b>Total Credits</b>		<b>14</b>	<b>0</b>	<b>10</b>	<b>18</b>


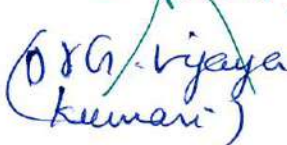
**III - Sem**


Program Elective-5	Datawarehouse and Datamining	3	0	0	3
	Web Search and Information Retrieval				
	Database Security and Access Control				
Open Elective I	Advanced Optimization Techniques	3	0	0	3
	Waste Management				
	Embedded System Design				
	Dissertation Phase I	0	0	20	10
<b>Total Credits</b>		<b>6</b>	<b>0</b>	<b>20</b>	<b>16</b>

**IV - Sem**


	Dissertation Phase II	0	0	32	16
<b>Total Credits</b>		<b>0</b>	<b>0</b>	<b>32</b>	<b>16</b>

<b>Grand Total</b>					<b>68</b>
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 (D.M. Ranishankar)  
  
 (D.R.G. Vijaya Kumari)

  
 (D.V. Venkatesh)

  
 (D.V. Venkatesh)  
  
 (D.R.D. Venkatesh)

  
 (D.S. Thanveer)



VAAGDEVI COLLEGE OF ENGINEERING

Department of CSE

M.Tech - Software Engineering

Date: 28-06-2018

I- Sem

Category	Course Title	L	T	P	C
Core Course I	Data Structures and Algorithms	3	0	0	3
Core Course II	Software Development Methodologies	3	0	0	3
Program Elective I	Cloud Computing	3	0	0	3
	Component Based Software Engineering		0	0	
	Internet Technologies and Services		0	0	
Program Elective II	Software requirements and Estimation	3	0	0	3
	Object Oriented Software Engineering		0	0	
	Information Theory and Coding		0	0	
Audit Course	Research Methodology	2	0	0	2
Audit Course	English for Research Paper Writing	2	0	0	0
Laboratory I	Software Development Methodologies Lab	0	0	4	2
Laboratory II	Based on Program specific Electives-I	0	0	4	2
<b>Total Credits</b>		<b>16</b>	<b>0</b>	<b>8</b>	<b>18</b>

II - Sem

Category	Course Title	L	T	P	C
Core Course IV	Software Quality Assurance and Testing	3	0	0	3
Core Course V	Software Process and Project Management	3	0	0	3
Elective-3	Software Architecture and Design Patterns	3	0	0	3
	Agile Software Development		0	0	
	Bigdata Analysis		0	0	
Elective-4	Software Security Engineering	3	0	0	3
	Business Process Management		0	0	
	Cyber Security		0	0	
Audit Course	Internship	0	0	2	2
Audit Course	Stress Management	2	0	0	0
Laboratory III	Software Testing Lab	0	0	4	2
Laboratory IV	Based on Program specific Electives-III	0	0	4	2
<b>Total Credits</b>		<b>14</b>	<b>0</b>	<b>10</b>	<b>18</b>

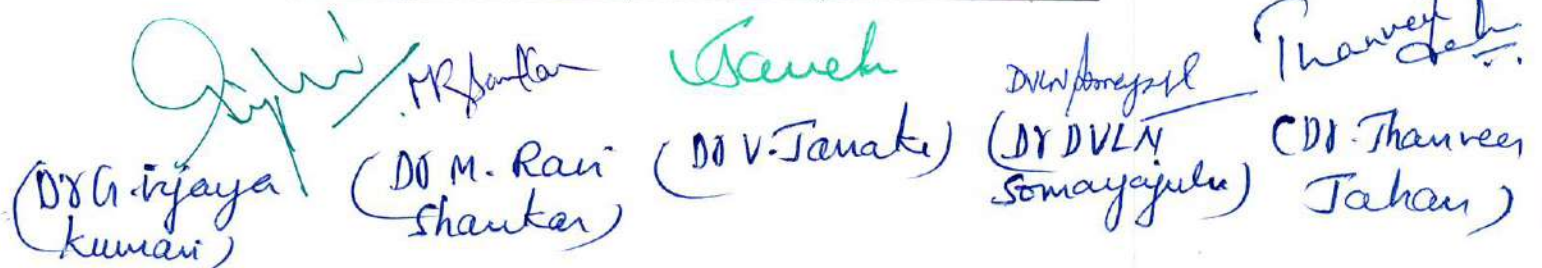
III - Sem

Program Elective-V	Information Retrieval Systems	3	0	0	3
	Principles of Information Security		0	0	
	Computer Forensics		0	0	
Open Elective II	Advanced Optimization Techniques	3	0	0	3
	Waste Management		0	0	
	Embedded System Design		0	0	
Dissertation Phase I		0	0	20	10
<b>Total Credits</b>		<b>6</b>	<b>0</b>	<b>20</b>	<b>16</b>

IV- Sem

Dissertation Phase I		0	0	32	16
<b>Total Credits</b>		<b>0</b>	<b>0</b>	<b>32</b>	<b>16</b>

<b>Grand Total</b>					<b>68</b>
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 (Dr G. Vijaya Kumari) (Dr M. Ravi Shankar) (Dr V. Tanaki) (Dr DVLN Somayajulu) (Dr. Tharvesh Jahan)