



**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  
29-Jan-2022 at 12:00 pm.

**Members Present:**

S. No	Name and Address	Designation	Signature
1	Dr. N. Satyavathi Assistant Professor & Head, CSE, VCE.	Chairman	
2	Dr. A. Kavitha Associate Professor of CSE & Additional Controller of Examinations, JNTU Hyderabad.	Member (Univ. Nominee)	
3	Prof. R.B.V. Subramaanyam Professor, NITW.	Member (Subject Expert)	
4	Prof. V. Janaki Principal, Jayamukhi Institute of Technological Sciences	Member (Subject Expert)	
5	Dr. K. Rajesh Khanna Associate Professor, CSE, VCE.	Member	
6	Mrs. Vandana Tamirisa Associate JP Morgan Services Pvt. Ltd	Member (Alumni Member)	
7	Mr. Sarath. J Director, Innominds India Pvt. Ltd.	Member (Industry Representative)	

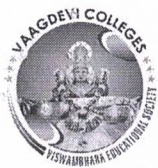
**The following decisions are taken:**

1. Approved the course structure of B. Tech CSE, (R20) Regulations for V, VI, VII and VIII Semesters.
2. Approved the syllabi of B. Tech CSE, (R20) Regulations for V, VI, VII and VIII Semesters.

**CHAIRMAN**  
**Board of studies**  
**Dr. N. Satyavathi**

*Department of CSE*

**CHAIRMAN**  
Board of Studies, CSE Dept.,  
VAAGDEVI COLLEGE OF ENGINEERING  
Bollikunta, Warangal (T.S)-506 005.



**VAAGDEVICOLLEGE OF ENGINEERING**  
**(AUTONOMOUS)**  
**COMPUTER SCIENCE AND ENGINEERING**  
**COURSE STRUCTURE**

(R20 Regulations applicable for the batches admitted from Academic Year 2020 - 2021)

**V- SEMESTER**

S.No	Course Code	Title of the Course	L	T	P	Credits
1		Software Engineering	3	0	0	3
2		Data communications and Computer Networks	3	0	0	3
3		Data Warehousing and Data Mining	3	0	0	3
4		Artificial Intelligence	3	0	0	3
5		<b>Professional Elective – I</b> 1. Compiler Design 2. Principles of Programming Languages 3. Network Programming	3	0	0	3
6		<b>Open Elective – I</b>	3	0	0	3
7		Data communications and Computer Networks Lab	0	0	3	1.5
8		Artificial Intelligence Lab	0	0	3	1.5
9		Project Based Learning-3	0	0	2	1
10		Indian Constitution	2	0	0	0
<b>Total Credits</b>			<b>20</b>	<b>0</b>	<b>8</b>	<b>22</b>

Dr. N. Satyavathi

Dr. A. Kavitha

Prof. R.B.V. Subramaanyam

Prof. V. Janaki

Dr. K. Rajesh Khanna

Mrs. Vandana Tamirisa

Mr. Sarath. J

Department of CSE





**VAAGDEVICOLLEGE OF ENGINEERING**  
**(AUTONOMOUS)**  
**COMPUTER SCIENCE AND ENGINEERING**  
**COURSE STRUCTURE**

(R20 Regulations applicable for the batches admitted from Academic Year 2020 - 2021)

**VI-SEMESTER**

S.No	Course Code	Title of the Course	L	T	P	Credits
1		Machine Learning	3	0	0	3
2		Cloud Computing	3	0	0	3
3		Internet of Things	3	0	0	3
4		<b>Professional Elective-II</b> 1. Software Project Management 2. Network Security and Cryptography 3. Web services	3	0	0	3
5		<b>Open Elective – II</b>	3	0	0	3
6		Machine Learning Lab	0	0	3	1.5
7		Cloud Computing Lab	0	0	3	1.5
8		Internet of Things Lab	0	0	3	1.5
9		Project Based Learning -4	0	0	2	1
10		Logical Reasoning and Quantitative Aptitude	2	0	0	0
<b>Total Credits</b>			<b>17</b>	<b>0</b>	<b>11</b>	<b>20.5</b>

Dr. N. Satyavathi

Dr. A. Kavitha

Prof. R.B.V. Subramaanyam

Prof. V. Janaki

Dr. K. Rajesh Khanna

Mrs. Vandana Tamirisa

Mr. Sarath J



**VAAGDEVICOLLEGE OF ENGINEERING**  
**(AUTONOMOUS)**  
**COMPUTER SCIENCE AND ENGINEERING**  
**COURSE STRUCTURE**

(R20 Regulations applicable for the batches admitted from Academic Year 2020 - 2021)

**VII- SEMESTER**

S.No	Course Code	Title of the Course	L	T	P	Credits
1		Deep Learning	3	0	0	3
2		Managerial Economics and Financial Accountancy	3	0	0	3
3		<b>Professional Elective – III</b> 1. Software Testing 2. Software Oriented Architecture 3. Scripting Languages	3	0	0	3
4		<b>Professional Elective – IV</b> 1. Business Intelligence & Big Data 2. Reinforcement Learning 3. Cyber Security & Ethical Hacking	3	0	0	3
5		<b>Open Elective – III</b>	3	0	0	3
6		Mini project & Internship	0	0	0	2
7		Deep Learning Lab	0	0	3	1.5
8		Major Project Phase-1	0	0	8	4
9		Human values and Professional Ethics	2	0	0	0
<b>Total Credits</b>			<b>17</b>	<b>0</b>	<b>11</b>	<b>22.5</b>

Dr. N. Satyavathi

Dr. A. Kavitha

Prof. R.B.V. Subramaanyam

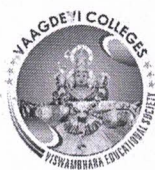
Prof. V. Janaki

Dr. K. Rajesh Khanna

Mrs. Vandana Tamirisa

Mr. Sarath. J





**VAAGDEVICOLLEGE OF ENGINEERING**  
**(AUTONOMOUS)**  
**COMPUTER SCIENCE AND ENGINEERING**  
**COURSE STRUCTURE**

(R20 Regulations applicable for the batches admitted from Academic Year 2020 - 2021)

**VIII- SEMESTER**

S. No	Course Code	Title of the Course	L	T	P	Credits
1		<b>Professional Elective – V</b> 1. Design Patterns 2. Block Chain Technologies 3. Robotics	3	0	0	3
2		<b>Professional Elective –VI</b> 1. Computer Vision 2. Data Privacy & Security 3. Natural Language Processing	3	0	0	3
3		Technical Seminar	0	0	2	1
4		Major Project Phase-II	0	0	16	8
<b>Total Credits</b>			<b>6</b>	<b>0</b>	<b>18</b>	<b>15</b>

Dr. N. Satyavathi

Dr. A. Kavitha

Prof. R.B.V. Subramaanyam

Prof. V. Janaki

Dr. K. Rajesh Khanna

Mrs. Vandana Tamirisa

T. Sasi Vandana

Mr. Sarath. J



# VAAGDEVI COLLEGE OF ENGINEERING

Autonomous

Bollikunta, Khila Warangal (Mandal), Warangal Urban-506 005 (T.S), www.vaagdevi.edu.in

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Open Electives offered by Computer Science and Engineering to the other Departments for the Academic year 2021-22

S.No.	Course Code	Title of the Course	L	T	P	Credits
1		Data base Management Systems	3	0	0	3
2		Java Programming	3	0	0	3
3		Introduction to Network Security	3	0	0	3
4		Introduction to Cloud Computing	3	0	0	3
5		Internet of Things	3	0	0	3
6		Data Structures and Algorithms	3	0	0	3

Dr. N. Satyavathi

Dr. A. Kavitha

Prof. R.B.V. Subramaanyam

Prof. V. Janaki

Dr. K. Rajesh Khanna

Mrs. Vandana Tamirisa

T. Sasi Vandana

Mr. Sarath. J

Department of CSE



# VAAGDEVI COLLEGE OF ENGINEERING

Autonomous

Bollikunta, Khila Warangal (Mandal), Warangal Urban-506 005 (T.S), [www.vaagdevi.edu.in](http://www.vaagdevi.edu.in)

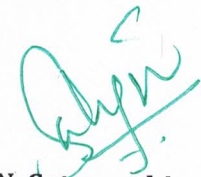
## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Open Source Software required for the R20 Regulation Laboratories

S. No	Semester	Name of the Lab	Open Source Software
1	I	Programming for Problem Solving Lab	Linux, GCC, GEDIT
2	II	Python Programming Lab	Linux, GCC, GEDIT ,Python 3
3	II	Data Structures and Algorithms Lab	Linux, GCC, GEDIT
4	III	Design and Analysis of Algorithms Lab	Linux, GCC, GEDIT ,Python 3
5	III	Java Programming Lab	Linux, MySQL,Eclipse,JDK,J2SE, Tomcat server
6	IV	Operating Systems Lab	Linux, GCC, GEDIT
7	IV	Database Management Systems Lab	Linux, MYSQL
8	IV	Web Technologies Lab	Linux, MySQL,Eclipse,JDK,J2SE, Tomcat server
9	V	Data communications and Computer Networks Lab	Linux, GCC,GEDIT , C++ Compiler
10	V	Artificial Intelligence Lab	Linux, Prolog, Python 3
11	VI	Machine Learning Lab	Linux, GEDIT , Python 3 , Anaconda
12	VI	Cloud Computing Lab	Linux, Oracle VM VirtualBox
13	VI	Internet of Things Lab	Linux, GCC, GEDIT ,Python 3
14	VII	Deep Learning Lab	Linux, GCC, GEDIT ,Python 3

  
Dr. A. Kavitha

Associate Professor of CSE &  
Additional Controller of Examinations,  
JNTU Hyderabad.

  
Dr. N. Satyavathi  
CHAIRMAN  
Board of studies