



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 (Artificial Intelligence and Machine Learning)

BOARD OF STUDIES MEETING

Minutes of meeting of Board of studies in Computer Science and Engineering (Artificial Intelligence and Machine Learning) held on 29-01-2022 at 12:00pm.

Members Present:

S.No	Name and Address	Designation	Signature
1	Dr. Thanveer Jahan Professor & Head, CSE (AI&ML), 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	Mr. Salim Amirali Jiwani Associate Professor, CSE (AI&ML), VEC.	Member (Subject Expert)	
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 (AI&ML)(R20) Regulations for V,VI,VII & VIII Semesters. Proper Care is taken to see that AICTE/JNTUH Norms /Regulations are satisfied.
2. Approved the syllabi of B. Tech CSE (AI&ML) for V, VI, VII & VIII Semesters.
3. Approved the course structure & syllabi of minor courses offered to the other departments

CHAIRMAN
Board of studies
Dr. Thanveer Jahan

Department of CSE(AI&ML)

Chairman-Board of Studies
VAAGDEVI COLLEGE OF ENGINEERING
(Autonomous)
Bollikunta, Warangal (T.S)-506 005



**VAAGDEVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
COMPUTER SCIENCE & ENGINEERING
(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)
COURSE STRUCTURE**

(Applicable for the batches admitted from Academic Year 2020-2021)

V - SEMESTER

S. No	Course Code	Title of the Course	L	T	P	C
1.		Machine Learning	3	0	0	3
2.		Big Data Analytics	3	0	0	3
3.		Data Communications and Computer Networks	3	0	0	3
4.		Professional Elective – I 1. Software Engineering 2. Web Services 3. Distributed Systems	3	0	0	3
5.		Open Elective – I	3	0	0	3
6.		Machine Learning Lab	0	0	3	1.5
7.		Big Data Analytics Lab	0	0	3	1.5
8.		Data Communications and Computer Networks Lab	0	0	3	1.5
9.		*Indian Constitution	2	0	0	0
10.		Project Based Learning-3	0	0	2	1
Total Credits			17	0	11	20.5

Dr. Thanveer Jahan

Dr. A. Kavitha

Prof. R.B.V. Subramaanyam

Prof. V. Janaki

Mr. Salim Amirali Jiwani

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Mr. Sarath. J

Department of CSE (AI&ML)



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VI - SEMESTER

S. No	Course Code	Title of the Course	L	T	P	C
1.		Internet of Things	3	0	0	3
2.		Cloud Computing	3	0	0	3
3.		Deep Learning	3	0	0	3
4.		Professional Elective-II 1. Theory of Computation 2. Game Theory 3. Network Security & Cryptography	3	0	0	3
5.		Open Elective – II	3	0	0	3
6.		Internet of Things Lab	0	0	3	1.5
7.		Cloud Computing Lab	0	0	3	1.5
8.		Deep Learning Lab	0	0	3	1.5
9.		*Logical Reasoning and Quantitative Aptitude	2	0	0	0
10.		Project Based Learning-4	0	0	2	1
Total Credits			17	0	11	20.5

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VII - SEMESTER

S. No	Course Code	Course Title	L	T	P	C
1.		Reinforcement Learning	3	0	0	3
2.		Virtual Reality & Augmented Reality	3	0	0	3
3.		Professional Elective-III 1. Federated Machine Learning 2. Advanced Databases 3. Software Testing	3	0	0	3
4.		Professional Elective – IV 1. Natural Language Processing 2. Social Network Analysis 3. Mining Massive Datasets	3	0	0	3
5.		Open Elective-III	3	0	0	3
6.		Virtual Reality & Augmented Reality Lab	0	0	3	1.5
7.		Mini Project & Internship	0	0	0	2
8.		Major Project Phase-I	0	0	8	4
9.		*Human Values & Professional Ethics	2	0	0	0
Total Credits			17	0	11	22.5

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VIII - SEMESTER

S. No	Course Code	Course Title	L	T	P	C
1.		Professional Elective-V 1. Principles of Robotics 2. Video Analytics 3. Data privacy and Security	3	0	0	3
2.		Professional Elective-VI 1. Block Chain Technologies 2. Computer Vision 3. Semantic Web Technology	3	0	0	3
3.		Technical Seminar	0	0	2	1
4.		Major Project Phase-II	0	0	16	8
Total Credits			6	0	18	15

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI & ML)

Open Electives offered by Computer Science and Engineering (AI& ML) to the other Departments
for the Academic year 2021-22


S.No.	Course Code	Title of the Course	L	T	P	Credits
1		ArtificialIntelligence	3	0	0	3
2		Introduction of Machine Learning	3	0	0	3
3		Neural Networks	3	0	0	3
4		Introduction to Cyber Security	3	0	0	3


Dr. Thanveer Jahan 

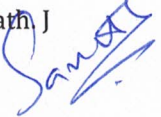
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI & ML)

B.Tech Minors in Computer Science and Engineering (AI & ML) for the Academic year 2021-22

S.No.	Semester	Title of the Course	L	T	P	Credits
1	V	Foundations of Artificial Intelligence	3	0	0	3
2	VI	Artificial Intelligence Applications	3	0	0	3
3	VI	Artificial Intelligence Applications Lab	0	0	3	1.5
4	VII	Machine Learning or Deep Learning	4	0	0	4
5	VII	Machine Learning Laboratory or Deep Learning Laboratory	0	0	3	1.5
6	VIII	Natural Language Processing	3	0	0	3
7	VIII	Mini Project	0	0	0	2
Total Credits			13	0	6	18

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI & ML)

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	Operating Systems Lab	Linux, GCC, GEDIT
5	III	Database Management Systems Lab	Linux, MYSQL
6	IV	Artificial Intelligence Lab	Linux, Prolog, Python 3
7	IV	Java Programming Lab	Linux, MySQL,Eclipse,JDK,J2SE, Tomcat server
8	IV	Data Warehousing and Data Mining Lab	Linux, Weka
9	V	Machine Learning Lab	Linux, GEDIT , Python 3 , Anaconda
10	V	Big Data Analytics Lab	Linux, Hadoop
11	V	Data Communications and Computer Networks Lab	Linux, Cisco Packet Tracer, PUTTY,GCC,GEDIT
11	VI	Internet of Things Lab	Linux, GCC, GEDIT ,Python 3
12	VI	Cloud Computing Lab	Linux, Oracle VM VirtualBox
13	VI	Deep Learning Lab	Linux, GCC, GEDIT ,Python 3
14	VII	Virtual Reality & Augmented Reality Lab	Linux, Unity and Visual studio


Dr. A. Kavitha
JNTUH Nominee


Dr. Thanveer Jahan
Chairman