Date: 28/03/2023

MINUTES OF MEETING - BOARD OF STUDIES (BOS)

The Meeting of the Board of Studies of **Artificial Intelligence and Data Science** department was held on 28th March, 2023 at 10.30 AM in online mode.

The following members were present.

S. No.	Name of the Faculty	Designation	Signature
1	Dr. B.Rajalingam Professor & HOD, Department of AI & DS	Chairman	
2	Dr. V. Kamakshi Prasad, Professor of CSE, BoS Chair person, JNTUH College of Engineering, Hyderabad	University Nominee	
3	Dr. K. Venkatesh Sharma, Professor, Dept. of CSE, CVR College of Engineering, Hyderabad.	Educationist	
4	Dr. P. L. Srinivasa Murthy, Professor, Department of CSE, Institute of Aeronautical Engineering, Dundigal, Hyderabad.	Educationist	
5	Mr. Bonthala Mallikarjuna Aswanth Kumar, Lead Technology, Synechron, Hyderabad	Industrialist	
6	Dr. S.V.S. Rama Krishnam Raju Dean Academics	Member	
7	Dr. D. Ranadheer Reddy Professor & HOD, Department of S&H	Member	
8	Dr. R. Santhoshkumar, Associate Professor & HOD, Dept. of CSE	Faculty Member	
9	Dr. R. Nagaraju, Professor & HOD, Dept. of IT	Faculty Member	
10	Dr. K. Srinivas, Associate Professor, Dept. of CSE (AI & ML)	Faculty Member	
11	Mr. Pannati Nagesh, React Front End Developer, Syncor Solutions, Hyderabad.	Alumni Member	

The Meeting began with chairman, Board of studies extending a warm welcome to all the members of participating in the meeting.

The following points were presented, discussed and approved during the meeting

1. The following SMEC R20 Course Structure and the detailed syllabus of III-I, III-II, IV-I and IV-II were presented, discussed and approved. The total credits for the programme were discussed, finalized and approved.

B. Tech - III YEAR I SEMESTER
COURSE STRUCTURE

S. No.	Course Code	Course Title	Hours Per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1	AID501PC	Machine Learning	3	0	0	3	30	70	100
2	AID502PC	Design and Analysis of Algorithms	3	0	0	3	30	70	100
3	AID503PC	Big Data Technologies	3	0	0	3	30	70	100
4	AID504PC	Software Engineering	3	0	0	3	30	70	100
5		Professional Elective - I	3	0	0	3	30	70	100
6		Professional Elective - II	3	0	0	3	30	70	100
7	AID505PC	Machine Learning Lab	0	0	3	1.5	30	70	100
8	AID506PC	Big Data Technologies Lab	0	0	3	1.5	30	70	100
9	EN506HS	Advanced Communication Skills Lab	0	0	2	1	30	70	100
Total			**18**	**0**	**8**	**22**	**270**	**630**	**900**
Mandatory Course (Non-Credit)									
10	*IP507MC	Intellectual Property Rights	3	0	0	0	100	-	100

B. Tech - III YEAR II SEMESTER
COURSE STRUCTURE

S. No.	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1	AID601PC	Knowledge Representation and Reasoning	3	1	0	4	30	70	100
2	AID602PC	Data Analytics	3	1	0	4	30	70	100
3	AID603PC	Computer Networks	3	1	0	4	30	70	100
4		Professional Elective – III	3	0	0	3	30	70	100
5		Open Elective - I	3	0	0	3	30	70	100
6	AID604PC	Data Analytics Lab	0	0	3	1.5	30	70	100
7	AID605PC	Computer Networks Lab	0	0	3	1.5	30	70	100
8		Professional Elective - III Lab	0	0	2	1	30	70	100
Total			**15**	**3**	**8**	**22**	**240**	**560**	**800**
Mandatory Course (Non-Credit)									
9	*ES608BS	Environmental Science	3	0	0	0	100	-	100

***MC – Satisfactory/ Unsatisfactory**

B. Tech - IV YEAR I SEMESTER
COURSE STRUCTURE

S. No.	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1	AID701PC	Deep Learning	3	0	0	3	30	70	100
2	AID702PC	Data Wrangling and Visualization	2	0	0	2	30	70	100
3	AID703PC	Professional Elective - IV	3	0	0	3	30	70	100
4		Professional Elective - V	3	0	0	3	30	70	100
5		Open Elective - II	3	0	0	3	30	70	100
6	AID704PC	Deep Learning Lab	0	0	2	1	30	70	100
7	AID705PC	Industrial Oriented Mini Project/ SummerInternship	0	0	0	2	--	100	100
8	AID706PC	Seminar	0	0	2	1	100	--	100
9		Project Stage - I	0	0	6	3	100	--	100
Total			**14**	**0**	**10**	**21**	**380**	**520**	**900**

B. Tech - IV YEAR II SEMESTER
COURSE STRUCTURE

S. No.	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1	SM801MS	Organizational Behaviour	3	0	0	3	30	70	100
2		Professional Elective– VI	3	0	0	3	30	70	100
3		Open Elective - III	3	0	0	3	30	70	100
4	AID802PC	Project Stage– II	0	0	14	7	30	70	100
Total			**9**	**0**	**14**	**16**	**120**	**280**	**400**

Professional Elective-I		**Professional Elective - II**	
AID511PE	Graph Theory	AID521PE	Software Testing Methodologies
AID 512PE	Introduction to Data Science	AID522PE	Information Retrieval Systems
AID 513PE	Scripting Languages	AID523PE	Pattern Recognition
AID 514PE	Image Processing	AID524PE	Computer Vision and Robotics
AID 515PE	Computer Graphics	AID525PE	Data Warehousing and Business Intelligence
Professional Elective - III		**Professional Elective -IV**	
AID611PE	Natural Language Processing	AID711PE	Quantum Computing
AID612PE	Data Mining	AID712PE	Expert Systems
AID613PE	Internet of Things	AID713PE	Cloud Computing
AID614PE	Mobile Application Development	AID714PE	Cryptography and Network Security
AID615PE	Web Technologies	AID715PE	Mobile Computing
Professional Elective - V		**Professional Elective – VI**	
AID721PE	Social Network Analysis	AID811PE	Speech and Video Processing
AID722PE	Federated Machine Learning	AID812PE	Robotic Process Automation
AID723PE	Augmented Reality & Virtual Reality	AID813PE	Randomized Algorithms
AID724PE	Web Security	AID814PE	Cognitive Computing
AID725PE	Ad-hoc & Sensor Networks	AID815PE	Semantic Web

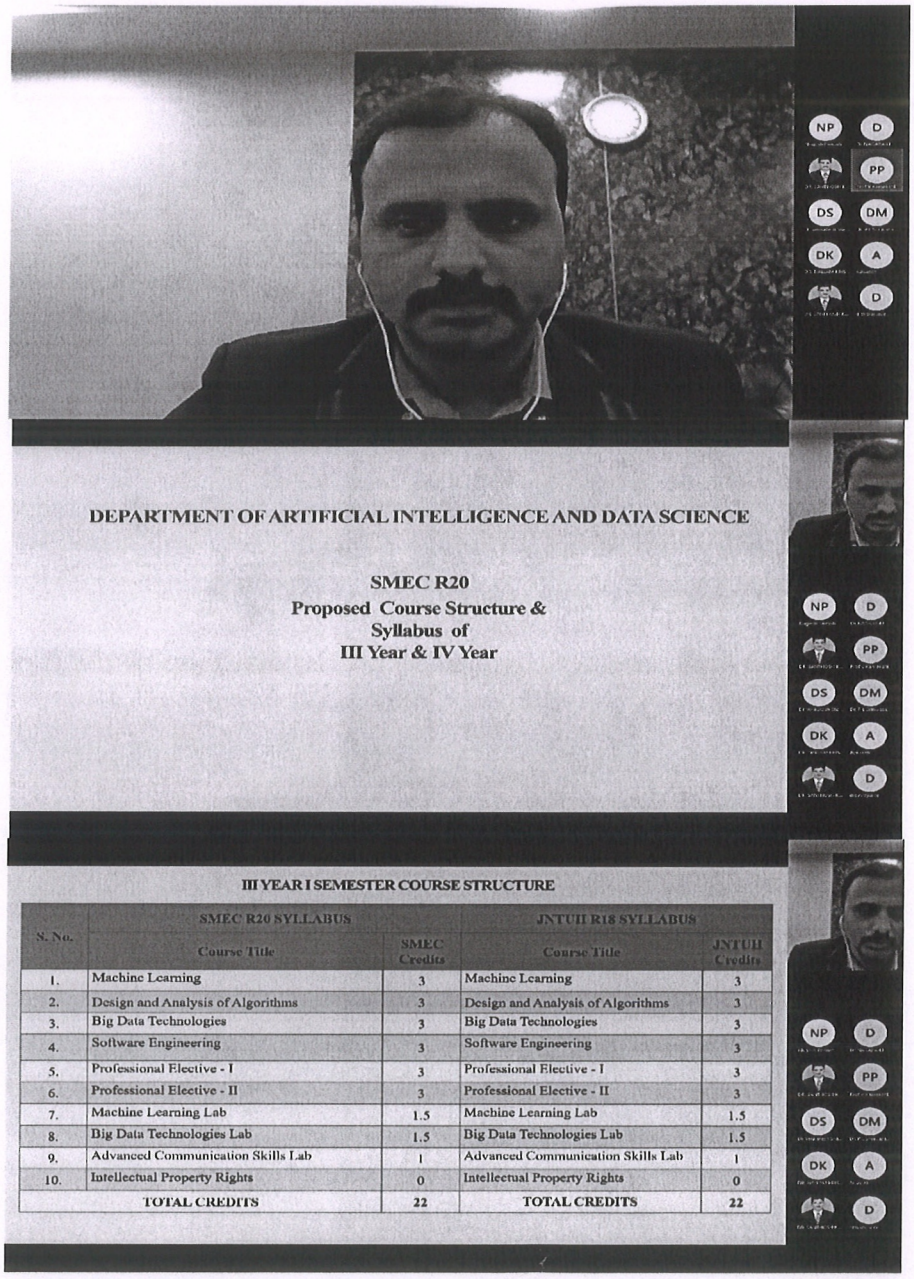
 # Courses in PE - III and PE - III Lab must be in 1-1 correspondence.

Open Elective I	Open Elective II	Open Elective III
Fundamentals of AI	Introduction to Natural Language Processing	Chatbots
Machine Learning Basics	AI applications	Genetic Algorithms & Fuzzy logic

2. **The following points were suggested for future possible implementations**

Nil

The meeting ended with chairman thanking members for their lively and useful interaction to evolve a best possible course structure and syllabus for the B. Tech AI & DS programme.



Chairman
Dr. B.Rajalingam
HOD (AI & DS)

Head of the Department
Department of Artificial Intelligence and Data Science (AI & DS)
St. Martin's Engineering College
Dhulapally, Secunderabad, Telangana-500100.

Copy to:

1. Principal

2. IQAC