





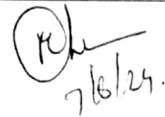
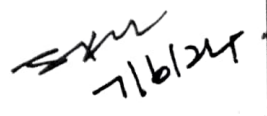
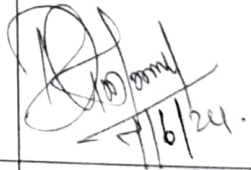

Department of Artificial Intelligence and Data Science Minutes of the Third meeting of Board of Studies




Venue : Board Room

Date : 07.06.2024

Time : 2.00 PM

Members Present:

S.No	Name and Designation	Position In Committee	Signature with Date
1.	Dr.E.Gomathi M.E., Ph.D., Associate Professor and Head, Department of Artificial Intelligence and Data Science Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Chairman	
2.	Dr.S.Lovelyn Rose, M.E., Ph.D., Associate Professor, Department of Computer Science and Engineering, PSG College of Technology, Coimbatore-641 004.	University Nominee	
3.	Dr.M.Mohana Priya M.E., Ph.D., Associate Professor, Department of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore-641 014.	Subject Expert	
4.	Dr.S.Kannimuthu M.E., Ph.D., Professor, Department of Computer Science and Engineering, Karpagam College of Engineering, Coimbatore-641 032.	Subject Expert	
5.	Dr.D.Gautham Chakravarthy, Chief Executive Officer, Dhanvi Infotech, No.76, 2 nd Floor, Sri Sai Building, Vishnu Nagar, G.N.Mills, Coimbatore-641 029.	Industry Representative	
6.	Mr.G.Ranjith, Placement & Technical Trainer, Bannari Amman Institute of Technology, Sathyamangalam-638 401.	Alumni	

7.	Ms.S.Amsaveni M.E Assistant Professor, Department of Artificial Intelligence and Data Science, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	 07/06/24
8.	Ms.S.Geeviga M.E Assistant Professor, Department of Artificial Intelligence and Data Science, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	 7/6
9.	Ms.S.Chandra Mohan M.E Assistant Professor, Department of Artificial Intelligence and Data Science, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	 7/6

Agenda:

- Approval of syllabi for the 5th to 8th semester and Professional Electives(PE) for Regulation 2019 under CBCS for the batch of students admitted in the academic year 2022 - 2023.**
- Approval of syllabi for the 3rd, 4th semester and Professional Electives (PE) verticals for Regulation 2023 under CBCS for the batch of students admitted in the academic year 2023 - 2024.**
- Approval of Panel of Examiners and Question Paper Setters.**
- Any other matter with the permission of the chair.**

The meeting commenced with welcome address by the Chairman, Dr.E.Gomathi. Then various items of agenda were taken up for discussion and after detailed discussion, the following suggestions were given by the members of board of studies.

General Comment

- Most recent edition of text and reference books may be included.

2019 Regulation

S.No	Name of the Course Reviewed by Experts	Experts' suggestions and Comments
SEMESTER V		
1	U19ADT01-Business and Text Analytics	<p>Unit-II & IV are to be removed.</p> <p>In unit II, Business Analytics related topics to be added.</p> <p>In unit IV- Open source tools to be included.</p>
2	U19ADE04-Machine Learning	<p>Mathematical representation and basic algorithm may be added.</p> <p>Unit IV to be changed.</p> <p>Bias Variance and Ensemble learning are to be added.</p> <p>In Unit V-Applications to be avoided.</p> <p>Text Book : Christopher M. Bishop, "Pattern Recognition and Machine Learning" to be included.</p>
SEMESTER VI		
1	U19ADT02-Big Data Management	<p>Text Book 3 should be removed.</p> <p>In unit-IV, Data Streams topic to be removed.</p>
2	U19ADE05-Deep Learning	<p>Unit-I</p> <p>Bias Variance of machine learning to be included.</p> <p>NLP concept from standard book to be included.</p> <p>Optimization topic to be added in unit-I</p> <p>Sequential modeling topic may be given in unit-III.</p> <p>GRU to be included in unit-III.</p>

2	U19ADE06-Natural Language Processing	LLM model and RAG technique may be included.
3	U19ADE07-Computer Vision	YOLO algorithm to be included.
4	Professional Electives	<p>Microprocessors and Microcontrollers, Image and video analytics, Engineering Predictive Analytics and Nonlinear optimization techniques to be removed.</p> <p>Software development processes may be changed to Software project management.</p> <p>Health care Analytics-Unit -II to be changed.</p> <p>Distributed systems may be changed to Distributed computing.</p> <p>Unit-I may be remapped.</p> <p>Agile Methodologies-Tools may be included.</p> <p>Since SCRUM approach has been included in unit-II, it is to be removed from unit-V.</p> <p>Bio-inspired optimization techniques-In unit-II, ACO Metaheuristic topic to be removed.</p> <p>Unit-IV title to be changed.</p> <p>Reinforcement learning techniques-Recent trends algorithm to be included.</p> <p>DevOps-Instead of unit-IV title, change as image docker.</p> <p>Advanced JAVA programming-Add J2EE, Hybernet, Spring and Bootstrap frameworks in unit-II.</p>
2023 REGULATION SEMESTER-III		
1	U23ADT01-JAVA PROGRAMMING	<p>Unit -II and V to be interchanged.</p> <p>Oops concept is missing in unit- II.</p> <p>I & II units are to be reframed</p>
2	U23ADT02-Data preprocessing and Visualization	<p>Unit-V to be changed.</p> <p>Import matplotlib to be removed.</p>

3	U23ADP01-Java Programming lab	Collection concept to be included
4	U23ADP02-Data preprocessing and visualization lab	Three more experiments are to be added. Brief explanation of experiment is needed
SEMESTER IV		
1	U23ADT04-Fundamentals of Data science and Analytics	Unit II, III & IV to be reframed. Regression and classification algorithms to be specified.
2	U23ADP04- Data science and Analytics	Experiment questions are to be framed properly
3	U23ADP03-Artificial Intelligence Lab	9 th experiment to be removed. Experiment 1 to be splitted into two experiments.
4	Committee Members are insisted to add the Computer Networks Course in fourth semester.	

- Resolved to approve syllabi for the 5th to 8th semester and Professional Electives(PE) for Regulation 2019 under CBCS for the batch of students admitted in the academic year 2022 – 2023 and for the 3rd and 4th semester for Regulation 2023 under CBCS for the batch of students admitted in the academic year 2023 – 2024.

Introduction of new courses:

The following new Electives are introduced in the 2019 regulation (UG)

Course Code	Course Title
U19ADT51	Full Stack Software Development
U19ADT52	Robotics Process Automation
U19ADT53	Software Project Management
U19ADT59	Internet Security
U19ADT60	Data Mining for Business Intelligence
U19ADT63	Distributed Computing
U19ADT64	Augmented Reality and Virtual Reality
U19ADT70	Modern Cryptography
U19ADT71	Digital Marketing
U19ADT78	Software Engineering

The Chairman thanked all the members of the Board of Studies for their active participation, valuable suggestion and contribution made for recommending the 3rd and 4th for 2023 regulation , 5th to 8th semester for 2019 regulation and Professional Elective (PE) courses syllabi.

The meeting concluded by 04.30 P.M.


CHAIRMAN