LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Accredited by NAAC & NBA (Under Tier - I) ISO 9001:2015 Certified Institution
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

Minutes of the 1ˢᵗ Board of Studies (BoS) meeting held on 03-09-2020

Chairman, BoS extended a warm and hearty welcome to all the Hon'ble members of the BoS. He expressed sincere thanks to them for conveying their willingness to be on the Board of Studies. He conveyed regards to all the members for their valuable suggestions, advices, guidelines and concern toward overall development of the department. Further he requested them to guide the department to reach greater academic position with their wisdom.

He has placed the agenda of items of the meeting for consideration, suggestions, and approval from the members of the BoS. Few constructive recommendations/ comments were given by Hon'ble members. The HoD expressed his happiness for such fruitful discussions and excellent guidance being offered by all the Hon'ble members.

With the reference to each agenda item, proceedings of the Board of Studies meeting are given below:

Items placed in the present meeting.

The members had a brainstorming discussion on the course structure and interacted among themselves. It is resolved to approve the course structure after incorporating the following suggestions:

1. **Department Vision & Mission**

Vision
- To emerge as a leading department in Technical Education and Research in India in Artificial Intelligence (AI) & Data Science (DS) Engineering with focus to produce professionally competent and socially sensitive engineers capable of working in global environment.

Mission
- To prepare Artificial Intelligence (AI) & Data Science (DS) Engineering graduates to be a lifelong learner with competence in basic science & engineering and professional core, multidisciplinary areas, with continuous update of the syllabus, so that they can succeed in industry as an individual and as a team or to pursue higher studies or to become an entrepreneur.
- To enable the graduates to use modern tools, design and create novelty based products required for the society and communicate effectively with professional ethics.

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2. **Four Year Course Structure of AI &DS.**

The members had a brainstorming discussion on the course structure and interacted among themselves. It is resolved to approve the course structure after incorporating the following suggestions:

- Reorganize the structure to reflect the verticals such as Programming, Theory Courses, System Courses, Artificial Intelligence Domain and Data Science domain courses and include case studies in emerging courses like Artificial Intelligence (AI) and Data Science (DS).

- Changing the name of the Programming for Problem Solving using C course to Computational Programming as the new title will create interest in the students.

- Include Data Structures course in the 2nd semester rather than at the 3rd semester.

- Changing the name of the Digital Logic and Computer Organization course to Computer Organization and Architecture and include the contents of Logic design also.

- Include Database Systems course in the 3rd semester rather than at the 4th semester.

- Changing the name of the course OOSE through UML to Object Oriented.

- Methodologies and UML or any other design methodology can be part the laboratory component.

- Include Machine Learning course in the 4th semester rather than at the 5th semester.

- Suggested not to have any specific tool name in the course title in the Laboratory courses to make the courses more generic.

- Removal of English communication skills certification course in 5th semester if possible.

- Start the sequence of Machine Learning, Deep Leaning, Reinforcement Learning courses from 4th semester onwards.
- Include High performance Computing course to give the exposure high end computational capabilities.
- Sequence the Speech Processing course from PE-3 to PE-2.
- Replace Business intelligence with another course as Big Data Analytics course is already available.

3. **Syllabus for First Year Course.**

- It is resolved to change the name of the course of Programming for Problem Solving using C course to Computational Programming to create interest in the students and to approve the Syllabus of First year courses.

4. **Any other matter with the permission of Chair**

   - BoS members suggested to giving practical assignments to the students.

Dr.B.Thirumala Rao

HoD & Chairman – BoS

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