GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

(Accredited by NAAC with "A+" Grade)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

The members of the Board of Studies convened on the **27 June 2024** at the Department of Computer Science & Applications under the under the Chairmanship of Suneel Kumar Duvvuri, Lecturer In-charge in Blended Mode. The meeting commenced promptly at 11:00 AM, with the primary purpose of addressing the various items listed on the agenda for discussion.

Agenda:

- Curriculum Design for all the Semesters for B.Sc. (Honors) in Computer Science, B.Sc. (Honors) in Artificial Intelligence

- Curriculum Design for all the Semesters for Minor Programs: Data Science, Computer Science, Computer Applications for Non-Mathematics Major Students, Artificial Intelligence

- Major/Minor Changes in the Curriculum from the Previous AY

- Identifying and including components of Skill Development, Employability, and Entrepreneurship in the curriculum with unit wise Activities

- Designing Model Question Papers and identifying potential paper setters

- Innovative Teaching – Learning Methodology (Learner-Centric)

- Curriculum for the Certificate Courses

- Any other proposals with the permission of the chair

(Suneel Kumar Duvvuri)
CHAIRMAN
BOARD OF STUDIES

Meeting Minutes and Resolutions

Agenda:

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- Curriculum Design for all the Semesters for Minor Programs: Data Science, Computer Science, Computer Applications for Non-Mathematics Major Students, Artificial Intelligence
- Major/Minor Changes in the Curriculum from the Previous AY
- Identifying and including components of Skill Development, Employability, and Entrepreneurship in the curriculum with unit wise Activities
- Designing Model Question Papers and identifying potential paper setters
- Innovative Teaching – Learning Methodology (Learner-Centric)
- Curriculum for the Certificate Courses
- Any other proposals with the permission of the chair

The Board of Studies meeting took place on **June 27, 2024**, in the Department of Computer Science & Applications, chaired by **Dr. Suneel Kumar Duvvuri, Lecturer In-charge**.

The meeting began at **11:00 AM**. The primary objective was to discuss the agenda items listed above.

Mr. Suneel Kumar Duvvuri, the Chairman, began by welcoming all attendees. He introduced each member of the board and provided an overview of the undergraduate (UG) and postgraduate (PG) programs offered by the Department of Computer Science.

Agenda Point 1: Curriculum Design for all the Semesters for B.Sc. (Honors) in Computer Science, B.Sc. (Honors) in Artificial Intelligence

Discussion:

The Chairman provided a detailed overview of the entire course curriculum for B.Sc. (Hons) in Computer Science & Artificial Intelligence. He explained the Course Objectives and Outcomes for each course, emphasizing the program's focus on student-centered learning. He also presented the changes made to the curriculum based on feedback from stakeholders, highlighting improvements and updates since the last Board of Studies (BoS) meeting.

During the discussion:

- Mr. Vasanth Kumar, an industry expert, raised concerns about the difficulty level of the Machine Learning Using Python syllabus in the AI program. He recommended making modifications to make the syllabus more suitable for students.
- Mr. R V Satyanarayana, the subject expert, pointed out that certain topics in the Data Mining syllabus were repeated in the revised Machine Learning syllabus. He suggested removing these overlapping topics to streamline the curriculum.

The Chairman proposed restructuring the Java and Operating System syllabi in the Artificial Intelligence program to align with the Computer Science syllabus in the III Semester. This would help standardize the content and ensure that both programs are in sync. All members agreed with the Chairman's proposal and suggested restructuring the units in both syllabi to make them consistent across the two programs.

Resolution:

1. It is resolved to approve All the Courses introduced in the Curriculum for B.Sc (Hons) – Computer Science

2. It is resolved to approve All the Courses introduced in the Curriculum for B.Sc (Hons) – Artificial Intelligence

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Agenda Point 2: Curriculum Design for all the Semesters for Minor Programs: Data Science, Computer Science, Computer Applications for Non-Mathematics Major Students, Artificial Intelligence

Discussion:

H. Devaraj, a member of the Board and Subject Expert from the department, presented the syllabi for the minor programs offered, which include:

- Data Science
- Computer Applications for Non-Mathematics Stream Major Students
- Minors in Artificial Intelligence (AI) and Computer Science

In response to a query raised by Dr. N. Sridhar, an external subject expert, about any additions or deletions in the curriculum, the Chairman clarified that no new additions had been made to the curriculum since the previous Board of Studies (BoS) meeting. The curriculum was introduced last year, and any revisions made were based on feedback received from students

after completing their coursework. The Board engaged in a thorough discussion regarding the curricula for the minor programs. After careful consideration, the Board granted approval for all the minor programs and the courses offered within each program.

Resolution:

It is resolved to approve All the Courses introduced in the Curriculum for all Minor Programs offered by the department.

Agenda Point 3: Designing Model Question Papers and identifying potential paper setters

The Chairman presented feedback from the students regarding the **Model Question Paper**. In response to the feedback and to help students better prepare for competitive exams, the following changes were made to the question paper structure:

1. Incorporation of MCQs: 5 multiple-choice questions (MCQs) were added.
2. Blueprint Changes:
   - Section I: The essay questions now carry 7 marks each, with an internal choice allowing students to choose one question from each unit.
   - Section II: 8 questions of 2 marks each were included, covering all units. Students are required to answer only 5 of these.
   - Section III: 5 one-mark MCQs.

The total marks for the revised paper are **50 marks**.

Dr. V. Persis, the University nominee, asked if the changes had been approved by the Academic Council. The Chairman responded that these changes were suggested by the IQAC (Internal Quality Assurance Cell) of the college and had already been submitted to the Academic Council for approval.

Dr. V. Persis expressed her willingness to proceed with the changes if they were approved by the college's autonomous body. The other members of the Board supported the changes, stating that it was a good initiative to train students for competitive exams.

Resolution:

It is resolved to approve the Blue Print and Model Question Paper as suggested

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Agenda Point 9: **Innovative Teaching – Learning Methodology (Learner-Centric)**

Discussion:

The Chairman introduced new ideas to improve the educational experience:

1. Virtual Labs: Students will have hands-on experiences in a virtual environment, allowing them to experiment and learn complex concepts without the need for physical labs.

2. SWAYAM/NPTEL Courses: At least one course per year will be linked to platforms like SWAYAM/NPTEL, expanding students' learning opportunities.

3. Udemy and Future Learn Courses

The members supported these proposals and agreed to move forward with them.

Resolution:

It is resolved to approve the proposed Innovative Teaching – Learning Methodology (Learner-Centric).

Agenda Point 4: Curriculum for the Certificate Courses

Discussion:

H. Devaraj, the Certificate Course Coordinator, proposed continuing the "Data Analytics with Excel" course for students across the college. The members agreed to this proposal.

Resolution:

It is resolved to continue the Certificate Course on "Data Analytics with Excel" for the academic year 2024-25

The meeting ended with a sincere Vote of Thanks from the Chairman, Mr. Suneel Kumar Duvvuri. He thanked all the department members for their continued support in shaping the curriculum. The Chairman also expressed his gratitude to the University Nominee, Dr. V. Persis, the External Subject Experts, Dr. N. Sridhar and Mr. R. V. Satyanarayana, and the Industry Expert, Mr. Vasanth Kumar, for their valuable suggestions and insights.

(Suneel Kumar Duvvuri)
CHAIRMAN
BOARD OF STUDIES