



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E.G.Dt., A.P. - 533 437

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited by NAAC with 'A' Grade)

(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)

Ph: 08852 - 252233, 34 Website: www.pragati.ac.in

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 02-11-2021

### CIRCULAR

All the members of Board of Studies (BoS) are here by informed that there will be a meeting on 6<sup>th</sup> November 2021 for discussing the following agenda.

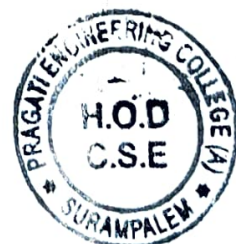
#### Agenda for the 5<sup>th</sup> Board of Studies Meeting:

1. Welcome Address by BOS-Chairman
2. Ratification of proposed B.Tech Second Year Course Structure & Syllabus of B.Tech (CSE) for R20 regulation.
3. Discussion on ratification of new courses introduced in R20 Regulation.
4. Discussion on ratification of Course Objectives, Course Outcomes and CO-PO Mapping.
5. Finalization of text books and reference books.
6. Discussion on ATR as per suggestions given by Stakeholders (Please Refer Annexure IV).
7. Ratification of the proposed model papers for internal and external examination of both theory and laboratory courses for R20 regulation.
8. Any other item.
9. Vote of Thanks.

Copy to:

1. All members of BoS.
2. Department circular file.

  
HoD-Dept.



## Agenda:

1. Welcome Address by BOS-Chairman
2. Ratification of proposed B.Tech Second Year Course Structure & Syllabus of B.Tech (CSE) for R20 regulation.
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7. Ratification of the proposed model papers for internal and external examination of both theory and laboratory courses for R20 regulation.
8. Any other item.
9. Vote of Thanks.

## Suggestions:

The following suggestions given by the members of BoS.

- Include 1 or 2 experiments covering Multi way search trees or Digital Search Structures concepts in “Advanced Data Structures Laboratory” course.
- Include 1 or 2 experiments covering applications of Numpy in “Applications of Python- NumPy Laboratory” course.
- In “Formal Languages and Automata Theory” course–Reference book list, remove the following book.
  - Theory of Computation, V. Kulkarni, Oxford University Press, 2013
- In “Formal Languages and Automata Theory” course–Reference book list, include the following books.
  - Formal Language and Automata Theory, K. V. N. Sunitha, N. Kalyani, 2<sup>nd</sup> Edition, Pearson Education, 2015
  - An Introduction to Formal Languages and Automata, Peter Linz, 6<sup>th</sup> Edition, Jones & Bartlett Learning, 2017
- In “Java Programming” course, include the concepts of AWT and Swings in Unit-V.
- In “Java Programming” course, remove the following Textbook
  - JAVA one step ahead, Anitha Seth, B. L. Juneja, Oxford.
- In “Java Programming” course, add the following Textbook
  - Introduction to java programming, 7<sup>th</sup> edition by Y Daniel Liang, Pearson
- In “Java Programming laboratory” course, include one or two experiments in AWT,

Swing and JDBC concepts.

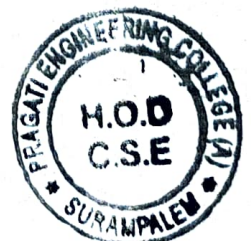
- In "Web Application Development using Full Stack-Front end Development-II" course, include 1 or 2 experiments covering Node.js concept
- Combine the "Computer Networks" and "Compiler Design" Laboratory courses in to single laboratory course.
- Include "Machine Learning" course as Professional core course and Include "Machine Learning Laboratory" course as Professional core laboratory.
- Remove "AI Tools & Techniques" Theory and Laboratory courses.
- Include "Wireless Sensors and Adhoc Networks" course in Professional Elective.
- Replace the "Block Chain Technologies-Hyper ledger" Skill oriented course with the industry demanded course.
- The external experts suggested to add new courses in the curriculum by following the AICTE guidelines.
- BoS members suggested to introduce any of the Internship program in the curriculum.
- BoS members suggested to have only two text books and up to five reference books for all the courses.
- The external experts suggested identifying courses that would enhance the employability skills and also suggested to add few Skill Oriented courses for the students.

#### Resolutions:

The following resolutions have been made in the meeting

- The changes suggested were thoroughly discussed and the R20 regulation course structures of B. Tech (CSE) are finalized and approved.
- The syllabus for R20 regulation of B. Tech (CSE) course was thoroughly discussed, finalized and approved. BOS Chairman is authorized to endorse the syllabus.
- The members ratified course objectives, course outcomes and CO-PO mapping for all the courses in the course structure.
- The members ratified 06 new courses for B. Tech (CSE) for R20 regulation.
- The proposed model papers for internal and external examination of both theory and laboratory courses for R20 regulation were discussed and ratified.
- MFCS, DBMS, DBMS Lab, OS & OS Lab Courses are ratified in IT Department BoS.
- Based on the ATR the suggestions given by the stakeholders are included
- The members decided to convey the same to Academic Council members for approval.
- As per suggestions from the previous BoS meeting, Honors and Minors courses included in the curriculum.

  
BoS-Chairman







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**B.Tech**  
**Computer Science and Engineering**

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**Minutes of the BoS Meeting**  
**For B.Tech (CSE) on 6/11/21 at 10.00 A.M.**

The following suggestions given by the members of BoS

- Include 1 or 2 experiments covering Multi way search trees or Digital Search Structures concepts in “Advanced Data Structures Laboratory” course.
- Include 1 or 2 experiments covering applications of Numpy in “Applications of Python-NumPy Laboratory” course.
- In “Formal Languages and Automata Theory” course – Reference book list, remove the following book.
  - Theory of Computation, V. Kulkarni, Oxford University Press, 2013
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- In “Java Programming” course, include the concepts of AWT and Swings in Unit-V.
- In “Java Programming” course, remove the following Textbook
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- In “Java Programming” course, add the following Textbook
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- In “Java Programming laboratory” course, include one or two experiments in AWT, Swing and JDBC concepts.
- In “Web Application Development using Full Stack – Frontend Development –II” course, include 1 or 2 experiments covering Node.js concept
- Combine the “Computer Networks” and “Compiler Design” Laboratory courses into single laboratory course.
- Include “Machine Learning” course as Professional core course and Include “Machine Learning Laboratory” course as Professional core laboratory.



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- Remove "AI Tools & Techniques" Theory and Laboratory courses.
- Include "Wireless Sensors and Adhoc Networks" course in Professional Elective.
- Replace the "Block Chain Technologies – Hyperledger" Skill oriented course with the industry demanded course.

**Members Signature**

1. Dr. K. Sahadevaiah  
Professor  
Department of CSE  
JNTUK, Kakinada

*K. Sahadevaiah*  
06.11.2021

2. Dr. D.V.L.N. Somayajulu  
Professor, Department of CSE, NIT Warangal  
Director, IITDM, Kurnool

*Attended Meeting in  
online*

3. Dr. M.V.Pandu Ranga Rao  
Associate Professor  
Department of CSE  
IIT, Hyderabad

*Attended Meeting in  
online*

4. Dr. V. Srinivasa Naresh  
Professor  
Department of CSE  
Sri Vasavi Engineering College

*Attended Meeting in  
online*



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5. Mr. Y. Praveen Kumar  
Tata Consultancy Services  
Hyderabad
6. Dr. M. Radhika Mani  
Professor and HOD  
Department of CSE  
Pragati Engineering College
7. Dr. Y. Jayababu  
Professor  
Department of CSE  
Pragati Engineering College
8. Dr. Y. V. Ram Kumar  
Professor  
Department of CSE  
Pragati Engineering College
9. Dr. A. Radha Krishna  
Associate Professor  
Department of CSE  
Pragati Engineering College

*Attended Meeting in online*

*M. Radhika Mani*

*Y. Jayababu*

*Y. V. Ram Kumar*

*A. Radha Krishna*



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10. Dr. S. Sureah

Associate Professor

Department of CSE

Pragati Engineering College

*Sureah*

11. Dr. S. Sarada

Associate Professor

Department of CSE

Pragati Engineering College

*Sarada*





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**Department of Computer Science and Engineering**

**Minutes of the BoS Meeting**

**12/11/21 at 2.30 P.M.**

**for**

**B.Tech-CSE(Artificial Intelligence & Machine Learning)**

**B.Tech-CSE(Artificial Intelligence)**

**B.Tech-CSE(Data Science)**

The following suggestions given by the members of BoS

- In B.Tech –CSE(Artificial Intelligence and Machine Learning) program course structure, replace the “Introduction to Artificial Intelligence and Machine Learning” course with the title as “Introduction to Artificial Intelligence.”
- In B.Tech –CSE(Artificial Intelligence and Machine Learning) program course structure, replace the “Introduction to Artificial Intelligence and Machine Learning laboratory” course with the title as “Introduction to Artificial Intelligence laboratory.”
- The syllabus of “Introduction to Artificial Intelligence” course should be common for both B.Tech -CSE(Artificial Intelligence and Machine Learning) and B.Tech -CSE(Artificial Intelligence)
- The syllabus of “Introduction to Artificial Intelligence Laboratory” course should be common for both B.Tech -CSE(Artificial Intelligence and Machine Learning) and B.Tech -CSE(Artificial Intelligence)
- Change the tile of “Data warehousing and Mining” course of B.Tech -CSE(Artificial Intelligence and Machine Learning) , B.Tech -CSE(Artificial Intelligence), B.Tech-CSE(Data Science) to “Data Mining.”
- For B.Tech -CSE(Artificial Intelligence and Machine Learning) and B.Tech -CSE(Artificial Intelligence) programs, the skill oriented course “Natural Language Processing using Python” should be replaced with “Applications of Python-Pandas” course.
- The course structure for III and IV year of B.Tech -CSE(Artificial Intelligence and Machine Learning) , B.Tech -CSE(Artificial Intelligence), B.Tech-CSE(Data Science) should focus on the core concepts of the specialization.





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**Department of Computer Science and Engineering**

**Members**

1. Dr. K. Sahadevaiah  
Professor  
Department of CSE  
JNTUK, Kakinada

*K. Sahadevaiah*  
12-11-2021

2. Dr. D.V.L.N. Somayajulu  
Professor, Dept. of CSE, NITW  
Director, IITDM, Kurnool

*Attended Meeting in online*

3. Dr. M.V.Pandu Ranga Rao  
Associate Professor  
Department of CSE  
IITH, Hyderabad

*Attended Meeting in online*

4. Dr. V. Srinivasa Naresh  
Professor  
Department of CSE  
Sri Vasavi Engineering College, Tadepalligudem

*Attended Meeting in online*

5. Mr. Y. Praveen  
TCS Hyderabad

*Attended Meeting in online*

6. Dr. M. Radhika Mani  
Professor and HOD  
Department of CSE  
Pragati Engineering College

*M. Radhika Mani*



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8. Dr. Y.V.Ram Kumar

Professor

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9. Dr. A. Radha Krishna

Associate Professor

Department of CSE

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10. Dr. S. Suresh

Associate Professor

Department of CSE

Pragati Engineering College

11. Dr. S. Sarada

Associate Professor

Department of CSE

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