



PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF CSE (DATA SCIENCE)

PEC/CSE(DS)/2025-26

Date: 06-08-2025

CIRCULAR

All the members of CSE (DS) Board of Studies are hereby requested to attend the BoS meeting which will be held in online mode on 12-08-2025 at 3:00 PM. The meeting will be conducted via Microsoft Teams, and the agenda will focus on ratification of III-Year course structure and syllabi of R23 regulations.

Agenda:

1. Welcome Address by BoS-Chairman.
2. Ratification of III-year course structure and syllabi of R23 regulations for B.Tech program
3. Ratification of courses offered by CSE (DS) department of R23 regulations for III year to other departments
4. Discussion on Ratification of new courses
5. Discussion on Ratification of Course Objectives, Course Outcomes, and CO-PO mapping for each course
6. Discussion on Action Taken Report on feedback received from stake holders
7. Inclusion of MOOCs courses under Program Electives
8. Finalization of text books, reference books and web references
9. Any other item.

Your participation and inputs are highly valued, and we look forward to your contributions to the discussions.

Copy to: The Principal

All the Members of BoS

Dept. Meetings File

BoS File





Astronomy is Supreme Duty

PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

ADB Road, Surampalem, Near Peddapuram, Kakimada Dist., A.P. - 533 437
(Approved by AICTE, Permanently Affiliated to JNTUK Kakimada & Accredited by NAAC with A+ Grade)
(Recognized by UGC Under Sections 2(f) and 12 (b) of UGC act, 1956)
Ph: 08852 - 252233, 252234, 252235 Fax: 08852 - 252232, website: www.pragati.ac.in

DEPARTMENT OF CSE (DATA SCIENCE)

Minutes of the meeting of the 3rd Board of Studies in CSE (Data Science)

The 3rd BoS meeting of CSE (Data Science) department was held on 12th August 2025 in online mode.

Item 1: Welcome Address by BoS-Chairman

The BoS-Chairman extended a warm welcome to all the esteemed expert members of Board of Studies.

Item 2: Ratification of III-year course structure and syllabi of R23 regulations for B.Tech program

The proposed B.Tech third year course structure and syllabi of R23 regulations is approved.

Item 3: Ratification of courses offered by CSE (DS) department of R23 regulations for III year to other departments.

The proposed third year courses offered by CSE(DS) to other departments of R23 regulations is approved.

Item 4: Discussion on Ratification of new courses

The following new courses introduced in B.Tech III Year of R23 regulations are approved

III Year I Semester

1. Soft Computing (Professional Elective-I)
2. Internet of Things (Professional Elective-I)
3. Privacy and Security in Online Social Media – SWAYAM NPTEL (MOOCs)
4. Artificial Intelligence: Search Methods for Problem Solving – SWAYAM NPTEL (MOOCs)
5. Learning Analytics Tools – SWAYAM NPTEL (MOOCs)
6. Construction Project Management (Open Elective)
7. Renewable Energy Sources (Open Elective)
8. Electronic Devices and Circuits (Open Elective)
9. Entrepreneurship and Venture Creation (Open Elective)
10. Full Stack Development -I (SEC)

Members of BoS:

Approved through mail		Approved through mail						
Prof. U. S. N. Raju Associate Professor NIT, Warangal	Dr. SSSN Usha Devi N. Assistant Professor, UCEK, JNTUK	Nagarjuna Singarenu Senior Manager, Accenture	Dr. V. Jaya Babu Member	M. V. Rajesh BoS – Chairman	N. V. S. Sowjanya Member	K. Srikanth Member		



Learning to Supreme Duty

PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

ADB Road, Surampalem, Near Peddapuram, Kakimada Dist., A.P. - 533 437
(Approved by AICTE, Permanently Affiliated to JNTUK Kakimada & Accredited by NAAC with A+ Grade)
(Recognized by UGC Under Sections 2(f) and 12 (b) of UGC act, 1956)
Ph 08852 - 252233, 252234, 252235 Fax: 08852 - 252232, website www.pragati.ac.in

DEPARTMENT OF CSE (DATA SCIENCE)

11. SWAYAM Plus – Data Engineer (SEC)
12. SWAYAM Plus – AI Engineer (SEC)
13. Salesforce Administrator Explorer (SEC)
14. User Interface Design using Flutter (ES)
15. SWAYAM Plus - Android Application Development (with Flutter) (ES)

III Year II Semester

1. Data Visualization (Professional Core)
2. Cryptography and Network Security (Professional Elective-II)
3. Cloud Computing (Professional Elective-II)
4. Sensor Networks (Professional Elective-II)
5. Foundations of Virtual Reality – SWAYAM NPTEL (MOOCs)
6. Design and Implementation of Human-Computer Interfaces – SWAYAM NPTEL (MOOCs)
7. Real-Time Systems – SWAYAM NPTEL (MOOCs)
8. Quantum Computing (Professional Elective-III)
9. Computer Vision (Professional Elective-III)
10. Responsible & Safe AI Systems – SWAYAM NPTEL (MOOCs)
11. Introduction to Large Language Models (LLMs) – SWAYAM NPTEL (MOOCs)
12. Advanced R Programming for Data Analytics in Business – SWAYAM NPTEL (MOOCs)
13. Additive Manufacturing (Open Elective-II)
14. Principles of Communications (Professional Elective-I)
15. Deep Learning Laboratory (Professional Core)
16. Data Visualization Laboratory (Professional Core)
17. Soft skills (SEC)
18. Salesforce Developer Catalyst (SEC)
19. Technical Paper Writing and IPR (Audit Course)

Members of BoS:

Approved through mail		Approved through mail				
Prof. U. S. N. Raju Associate Professor NIT, Warangal	Dr. SSSN Usha Devi N. Assistant Professor, UCEK, JNTUK	Nagarjuna Singaresu Senior Manager, Accenture	Dr. Y. Jaya Babu Member	M. V. Rajesh BoS – Chairman	N. V. S. Sowjanya Member	K. Srikanth Member



Learning is Supreme Duty

PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

ADB Road, Surampalem, Near Peddapuram, Kakinada Dist., 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, 252234, 252235 Fax: 08852 - 252232, website: www.pragati.ac.in

DEPARTMENT OF CSE (DATA SCIENCE)

Item 5: Discussion on Ratification of Course Objectives, Course Outcomes, and CO-PO mapping for each course

The Course Objectives, Course Outcomes and CO-PO mapping for courses discussed in point 2 and 3 are approved.

Item 6: Discussion on Action Taken Report on feedback received from stake holders.

As per the feedback received from stake holders the following resolutions proposed are approved

1. As per the Directions from JNTUK, Kakinada, "Entrepreneurship and Venture Creation" course is included under Open Elective - I in III Year I Semester which will be offered in association with Wadhvani Foundation.
2. Based on the employer feedback, the following Salesforce related courses are included under Skill Enhancement Course category

S.No.	Year/Semester	Name of the Course
1	III/I	Salesforce Administrator Explorer
2	III/II	Salesforce Developer Catalyst

Item 7: Inclusion of MOOCs courses under Program Electives

The proposed SWAYAM-NPTEL courses as part of MOOCs included under Professional Electives I, II and III are approved.

Item 8: Finalization of text books, reference books and web references

Textbooks, reference books and web references of syllabi discussed in point 2 and 3 are approved.

Item 9: Any other item

In case of all the 3 approved SWAYAM-NPTEL courses under any of Professional Electives I, II and III are not offered in any future semesters (NPTEL course runs) for batches under R23 regulations, the members of BoS have authorized an internal committee of faculty members headed by BoS chairman to suggest any new equivalent and appropriate SWAYAM-NPTEL course which will be offered in that specific semester.

Members of BoS:

Approved through mail		Approved through mail				
Prof. U. S. N. Raju Associate Professor NIT, Warangal	Dr. SSSN Usha Devi N. Assistant Professor, UCEK, JNTUK	Nagarjuna Singaresu Senior Manager, Accenture	Dr. Y. Jaya Babu Member	M. V. Rajesh BoS - Chairman	N. V. S. Sowjanya Member	K. Srikanth Member