AI & DS

NEWSLETTER

Department of Artificial Intelligence & Data Science

July – December 2025

EDITORIAL BOARD

CHIEF EDITOR

Dr. P. Bhagath

Professor & Head of the Department

MANAGING EDITOR

Mr. K. Sudhakar

Sr. Assistant Professor

STUDENT EDITORIAL COMMITTEE

Year	Section	Student Member	Student Member
II B.Tech	A	**Abdul Najiruddin** 25761A5401	**Ala Revathi** 25761A5402
II B.Tech	B	**Ulliboyina Harika** 25761A54B9	**Veerla Vennela** 25761A54C0
III B.Tech	A	**T. Hari Venkata Jaswanth Reddy** 24761A5456	**K. Naga Lakshmi** 24761A5424
III B.Tech	B	**Nakka Kondalamma** 24761A54B2	**Koduru Harika** 24761A54A0
IV B.Tech	A	**Tella Shabanya Bunni** 23761A5456	**Mandepudi Kethana Sahithi** 23761A5427
IV B.Tech	B	**Addanki Mohan Sai** 23761A5467	**Ladi Sravani** 23761A5496

IN THIS ISSUE

Our Faculty • About the Department • Vision & Mission • Achievements & Highlights • Alumni

STAY CONNECTED

hodads@lbrce.ac.in • ads@lbrce.ac.in • www.lbrce.ac.in/ai

Department of AI & DS, L.B. Reddy Nagar, Mylavaram, NTR District, A.P. – 521230

OUR FACULTY

Department of Artificial Intelligence & Data Science



Dr. V. Suryanarayana
Professor & Dean – I&R



Dr. P. Bhagath
Professor & HoD



Dr. O. Rama Devi
Professor



Dr. Ch. Rajendra Babu
Professor



Dr. D. Srinivasa Rao
Associate Professor



Dr. Phani Krishna Bulasara
Associate Professor



Mr. K. Sudhakar
Sr. Assistant Professor



Mr. S. Siva Rama Krishna
Sr. Assistant Professor



Mr. K. Venkatesh
Sr. Assistant Professor



Mr. S.V.V.D. Jagadeesh
Sr. Assistant Professor



Mrs. V. Sowjanya
Sr. Assistant Professor



Mr. V. Chandra Kumar
Sr. Assistant Professor



Mr. P. Gandhi Prakash
Sr. Assistant Professor



Mrs. K. Vinaya Sree Bai
Sr. Assistant Professor



Mr. J. Nagaraju
Sr. Assistant Professor



Mr. G. Rambabu
Assistant Professor



Mr. R. Siva Narayana
Assistant Professor



Mr. M. Kishore Kumar
Assistant Professor



Ms. P. Madhavi
Assistant Professor



Mrs. K. Lakshmi Padmavathi
Assistant Professor



Ms. M. Sabitha
Assistant Professor



Mr. S. Ramesh
Assistant Professor

22 faculty: 4 Professors, 2 Associate Professors, 11 Sr. Assistant Professors and 5 Assistant Professors.

THE DEPARTMENT

About the Department · Vision & Mission

About the Department

The B.Tech programme in Artificial Intelligence and Data Science brings together artificial intelligence and data science as a specialised stream of computer science and engineering. Students learn to build intelligent machines, bots, software and applications using current AI, machine learning, data analytics and visualisation tools.

Artificial intelligence equips machines to learn from experience, discover knowledge hidden in data and predict likely outcomes. Machine learning is put to work in forecasting customer behaviour from sales data, recognising faces and speech, improving robot performance and turning data into knowledge. The curriculum spans neural networks, machine learning, deep learning, data analytics and visualisation, with a strong focus on applying them to problems that matter to society.

Salient Features

- Hands-on training with real-world examples and laboratory-based projects
- Humanities and social sciences in the curriculum, including the ethics of AI
- Regular interaction with experienced industry practitioners
- Project-based learning and an undergraduate thesis
- Certified faculty who mentor students in hackathons and workshops
- Well-equipped laboratories, including the Data Science and Programming Languages labs
- Promotion of open-source tools and technologies

Programme Learning Outcomes

- Strong foundations in computer science, artificial intelligence, machine learning and data science
- Understanding of the economic, societal and environmental impact of AI
- Mathematical and computational modelling of real-world data science problems
- Design of intelligent algorithms to address societal problems
- Applying AI to turn large datasets into sound decisions and actions

VISION

"To impart Quality Education and produce innovative and Ethical Engineers in the Domain of Artificial Intelligence and Data Science."

MISSION

1. To Impart Strong foundation of statistics for understanding data science and develop self-sustained professionals.
2. To establish high performance computational facilities and tools to develop innovative and intelligent solutions.
3. To collaborate with renowned industries and institutions for multidisciplinary research and development.
4. To impart value-based education and lifelong learning skills in developing AI and DS based solutions for the satisfaction of all stakeholders.

ACHIEVEMENTS & HIGHLIGHTS

July – December 2025

12	7	12	6	13
Faculty research papers	Scopus-indexed journal papers	Faculty NPTEL certifications	Student prizes & recognitions	Events organised

Faculty Achievements

Research Publications

Faculty of the department published 12 research papers between July and December 2025: *7 in Scopus-indexed journals and 5 in open-access journals. Dr. D. Srinivasa Rao led with five papers, followed by Mr. K. Venkatesh with two and Dr. P. Bhagath with two.*

S. No.	Faculty	Title of the Paper	Journal	Month	Indexing
1	**Mr. V. Chandra Kumar**	Intelligent Steganography: CNN-Based Data Hiding in Edge Regions and Non-Overlapping Blocks Link	Journal of Theoretical and Applied Information Technology	Jul 2025	Scopus
2	**Dr. P. Bhagath**	Multi-Model Telugu Speech Signal Analysis Towards Controlling Home Appliances Link	IAENG International Journal of Computer Science	Jul 2025	Scopus
3	**Dr. D. Srinivasa Rao**	AI-Driven Framework for Early Detection of Plant Stress Using Multi-Source Remote Sensing Data and Machine Learning Techniques Link	Journal of Theoretical and Applied Information Technology	Aug 2025	Scopus
4	**Mr. K. Venkatesh**	Novel AI-Driven Spatio-Temporal Crowd Monitoring for Enhanced Public Safety in Mass Gatherings Link	Journal of Information Systems Engineering and Management	Aug 2025	Open Access
5	**Mr. K. Venkatesh**	Real-Time Menstrual Discomfort Detection Using AI-Powered Facial Recognition in Structured Environments Link	International Journal of Engineering and Manufacturing	Aug 2025	Open Access
6	**Dr. O. Rama Devi**	Blockchain for Secure and Transparent Voting Systems in Democratic Elections Link	Journal of Theoretical and Applied Information Technology	Sep 2025	Scopus
7	**Dr. D. Srinivasa Rao**	Big Data and Artificial Intelligence Revolutionizing Financial Fraud Detection Systems Link	Journal of Theoretical and Applied Information Technology	Sep 2025	Scopus
8	**Dr. D. Srinivasa Rao**	An Efficient Load Balancing Algorithm for Mining Frequent Itemsets for Large Transactional Data Link	International Journal of Environmental Sciences	Oct 2025	Open Access
9	**Dr. D. Srinivasa Rao**	DSS Query Optimization Using Entropy-Based Restricted Genetic Approach and Parallel Processing Link	Journal of Theoretical and Applied Information Technology	Nov 2025	Scopus
10	**Dr. D. Srinivasa Rao**	Real-Time Adaptive Traffic Management Using Machine Learning and Internet of Things (IoT) Link	Journal of Theoretical and Applied Information Technology	Dec 2025	Scopus
11	**Mr. Ramesh Saggurthi**	MultiNetGuard: A Deep Learning Framework for Real-Time Multimodal Cyberbullying Detection in Social Media Using BiLSTM and CNN Link	International Journal of Environmental Sciences	Dec 2025	Open Access
12	**Dr. P. Bhagath**	Analysing Temporal Properties of Speech Trajectory Using Graph Structures towards Speech Recognition Link	TELKOMNIKA Telecommunication, Computing, Electronics and Control	Dec 2025	Open Access

NPTEL Certifications (July – December 2025 semester)

Twelve faculty members completed NPTEL (SWAYAM, IIT Madras) online certification courses in the July–December 2025 semester. One earned Elite + Silver, six earned Elite certificates and five completed their courses successfully.

Faculty Development Programme Organised

Next-Generation AI Architectures for Multimedia Analytics — a six-day Faculty Development Programme from 3 to 8 November 2025, organised by the department for faculty members.

Professional Leadership

At the IEEE Day 2025 celebrations on 7 October 2025, Dr. P. Bhagath (Professor & Head of the Department) and Mr. K. Sudhakar (Secretary, IEEE Guntur Sub Section) introduced first-year students to IEEE and its professional societies. The event was held with the IEEE LBRCE-CIS Student Chapter.

Student Achievements

Our students won prizes in technical, sports and cultural events during the semester, and two first-year toppers were honoured at the college's 28th Annual Day.

S. No.	Student	Roll Number	Event	Organised by	Achievement	Date
1	K. Naga Lakshmi	24761A5424	Poster Presentation	LBRCE	II Prize	14-07-2025
2	T. H. V. Jaswanth Reddy	24761A5456	IEEE Technical Quiz (IEEE Day 2025)	LBRCE	I Prize	07-10-2025
3	Sk. Nouhid	25765A5402	ProtoZone 2K25	LBRCE	Consolation Prize	16-10-2025
4	Kummarakunta Harini	24761A5428	Yoga	LBRCE	Best Performer	2025-26
5	P. Yogitha Sri Lakshmi	24761A5446	28th Annual Day – Academic Toppers (A.Y. 2024-25)	LBRCE	I Rank	2025-26
6	S. Medha Sri	24761A5450	28th Annual Day – Academic Toppers (A.Y. 2024-25)	LBRCE	I Rank	2025-26

Department Activities

The department ran a full programme of industry-readiness, skill-building and expert-talk events for students during the semester.

S. No.	Date(s)	Event	Type
1	13-07-2025	Interactive Session on Industry Readiness Program	Interactive session
2	19 & 20-07-2025	Industry Readiness Program – Mock Interview Sessions	Industry readiness
3	01 to 08-09-2025	Full Stack Development Workshop & Hackathon	One-week workshop
4	15 to 20-09-2025	Competitive Coding Using Data Structures	One-week workshop
5	07-10-2025	IEEE Day Celebrations 2025 (Technical Quiz & Poster Presentation)	IEEE Student Chapter event
6	17-10-2025	Data Warehousing & Data Mining	Guest lecture
7	18-10-2025	Industrial Use Cases of Database Systems	Guest lecture
8	24-10-2025	Ensemble Learning	Guest lecture
9	03 to 08-11-2025	Next-Generation AI Architectures for Multimedia Analytics	Faculty Development Programme
10	27-11-2025	Efficient Data Handling with Java Collections	Guest lecture

ALUMNI CONNECT

Alumni Information · Department of AI & DS

The department stays closely connected with its alumni through the LBRCE Alumni Association. Former students return every year for the Annual Alumni Meet to share their experience, mentor current students and support them with scholarships.

AI & DS Alumni at the Meets

S. No.	Name	Roll Number	Present Role
1	Ramisetti Venkata Kiran	20761A5445	Groups coaching
2	Dr. D. Srinivasa Rao	02765A1205	Faculty, LBRCE
3	Mr. P. Gandhi Prakash	06761A1213	Faculty, LBRCE
4	Mr. S. Ramesh	07761A1245	Faculty, LBRCE
5	Mr. J. Nagaraju	08761D5808	Faculty, LBRCE
6	Mr. S. Siva Rama Krishna	10761D5813	Faculty, LBRCE
7	G. Divya	15761D0805	Faculty, LBRCE
8	M. Pavan Kalyan	2012–16 batch	LabTech, LBRCE

Five members of our faculty are LBRCE alumni — proof of the institution's lasting bond with its graduates.

Suggestions from our Alumni

1. Strengthen placement preparation and outcomes.
2. Motivate and guide students to appear for and qualify in GATE.
3. Encourage regular participation in training classes, technical fests and association activities.
4. Orient students early towards software, hardware and core-company opportunities.
5. Guide young engineers towards better employment and higher studies.

GALLERY

Alumni Information · Department of AI & DS



1st **B.Tech** students from the Department of AI & DS at Lakireddy Bali Reddy College of Engineering (LBRCE), Mylavaram, AP, successfully completed an insightful Industrial Visit to Efftronics Systems Pvt. Ltd., Mangalagiri, AP, on November 14, 2025.




Congratulations
for being placed in
cognizant
CH.PRUDHVI SAI RAJ
22761A5480
DASARI SANJAY
22761A5482
K.MANIKANTA REDDY
22761A5489
K.S.V.N.G. DEEPIKA
22761A5497
M.MANASA VARSHINI
22761A54A6
30 OFFERS
4-6.75 LPA
R.BHANU VENKAT
22761A54B7
SHAIK MEHARUNNISA
22761A54C1
S.SRI VIDYA
22761A54C2
TALLURI KEERTHANA
22761A54C3
V.V.LEELA MANOHAR
22761A54C8


Congratulations
for being placed in
cognizant
A.CHARITHA SHARMA
22761A5401
B.CHARAN VAMSI
22761A5405
J.DHANUSH NAGA SAI
22761A5419
K.YAGNA SRI
22761A5426
P.LEELA BHARGAVI
22761A5427
30 OFFERS
4-6.75 LPA
M.GOUTHAM MANIKANTA
22761A5428
M.GAYATRI MEGHANA
22761A5429
MARREBOYINA PRAPULLKAR
22761A5433
MOHAMMAD MUZAMMIL
22761A5437
K.NAGA SAI VARSHA
22761A5439



Their innovative prototype, "Crash 2 Care," showcases a powerful blend of technology and compassion.

A special shout-out to Senior Assistant Professor Mr. K. Venkatesh, Senior Assistant Professor in the Department of AI & DS for his expert guidance on this project, which was proudly presented at the LBRCE Incubation Center. Keep innovating! Congratulations 🎉 👏Huge congratulations to our brilliant students—
P. Bhavanarushi (25765A5412),
R. Lakshmi Bhargavi (24761A54B7),
M. Gayathri (25761A54B1), and
Sk. Nouhid (25765A5402)—for winning a Consolation Prize at ProtoZone-2K25! 🎉





Mock Interviews for 2023-27 Batch VII Sem Students by the Industry Specialists

Next Generation AI Architectures for Multimedia Data Analytics

03-08 November 2025 (Online)

Faculty Development Program

Organized by

Department of Artificial Intelligence and Data Science

Department of Computer Science and Engineering

06.00 PM - 8.00 PM

Online (Microsoft Teams)

NO REGISTRATION FEE

REGISTRATION LINK

Chief Patrons

- Sri. L. Jaya Prakash Reddy, Honorary Chairman
- Sri. L. R. N. K. Prasad Reddy, Chairman
- Sri L. Vijaya Kumar Redd, Vice-Chairman

Patrons

- Sri. G. Srinivasa Reddy, President
- Dr. K. Appa Rao, Principal
- Dr. B. Ramesh Reddy, Vice-Principal
- Dr. M. Srinivasa Rao, Dean of Academics
- Dr. V. Surya Narayana, Dean IR

Conveners

- Dr. P. Bhagath, Professor & Head, AI&DS
- Dr. S. Nagarjuna Reddy, Professor& Head, CSE

Cordinators

- Mr. K. Sudhakar, Sr. Asst. Professor, AI&DS
- Mr. S. Srinivasa Reddy, Sr. Asst. Professor, CSE
- Mr. S. S. Rama Krishna, Sr. Asst. Professor, AI&DS
- Mr. D. Anil Kumar, Sr. Asst. Professor, CSE

SPEAKERS



Prof. Pradip K. Das
Department of CSE
IIT Guwahait, India
03 November



Dr. Pethuru Raj
Principal AI Architect
Inficion, India
04 November



Dr. Ritesh Ratti
AI & Data Science Manager
Temus, Singapore
05 November



Mr. Nahar Singh
Head of Machine Learning Division
Continental, India
06 November



Dr. Tushar Semwal
Lead Scientist
UNEY, Dubai
07 November



Dr. Snehasis Benerjee
Research Scientist
TCS Research, India
08 November

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

Lakireddy Bali Reddy College of Engineering (Autonomous)
L. B. Reddy Nagar, Mylavaram,
Andhra Pradesh, India -521230