



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LETTER

NEWS



 -REFLECTIONS

2021-22 ISSUE - III (Jan - Mar)

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

Affiliated to JNTU-Kakinada, Accredited by NAAC & NBA

Website: <https://www.lbrce.ac.in/>

L. B. Reddy Nagar, Mylavaram, Krishna District, Andhra Pradesh,
India, Pin Code: 521230.

Editorial Board

1. **Dr. D Veeraiah, HOD-CSE.**
2. **Dr. M Srinivasa Rao – Dean, Academics**
3. **Mr. P Jagadeeswara Rao – Assistant Professor, CSE**
4. **Mr. A Jai Krishna – III Year**
5. **Ms. G Pavani – III Year**

- ✚ *FDP/Guest Lectures/Workshops Organized*
- ✚ *Faculty Achievements*
- ✚ *Faculty Publications*
- ✚ *Research Colloquium*
- ✚ *NPTEL/Industrial visits*
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Department of Computer Science & Engineering

The Computer Science & Engineering (CSE) department is established in 1998, offers undergraduate program (B. Tech) in CSE and post-graduate program (M. Tech) in CSE. The B. Tech program was started in the year 1998 with an intake of 48 students. The intake was subsequently increased to 60 students in the year 1999, 90 students in the year 2008 and 120 students in the year 2009. The M. Tech was started in the year 2008 with an intake of 18 students. The department is having well qualified and experienced faculty members. The faculty is a perfect blend of different specializations in Computer Science & Engineering to impart their expertise in handling diversified courses in the UG and PG programs. The teaching methodology in the department goes beyond fulfilling the syllabus requirements of the University, to meet the today's industry needs. Faculty motivates and guides the students to do projects in core subjects. Special focus will be given to develop communication and soft skills. The department is having strong association with industry to uplift the student's practical knowledge.

An R&D center has been established in the department to take up Research projects and to cater the needs of the faculty for their research work. The department of CSE has been recognized as the research center by JNTUK, KAKINADA and KRISHNA UNIVERSITY, MACHILIPATNAM. The department of CSE also have the collaboration with the premier industries like CISCO, IBM and MICROSOFT and has established their excellence centers in the department.

All the laboratories in the department is established spaciouly with additional equipment. The equipment student ratio is maintained as 1:1. In addition to the Central Library, a library is functioning in the department with 960 volumes to extend reference facility to the faculty and students. Audiovisual classes are conducted as per Timetable to gain the information regarding latest technologies in the field of Computer Science & Engineering. Internet facility LAN and WIFI is provided to students also, so that they can survey literature for the purpose of paper presentation, mini projects, term papers and projects.

Faculty Recognitions and Achievements:

Name of the Faculty	Name of the Award/Recognition	Awarding Agency	Address	Date of recognition/Award
Dr. P. Bhagath	Recognized as Senior Member	IEEE	IEEE	14 Feb 2022

Faculty attended International/National Conferences (External)

Name of the Faculty	Name of the Conference	Institute/Organization	Address	Duration (From....to..)	Registration Amount
Mr. Shaik Johny Basha	2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS)	Sri Eshwar College of Engineering	Coimbatore, Tamilnadu	25th to 26th March 2022	NIL
	2022 International Conference on Advanced Computing Technologies and Applications	Sri Krishna College of Engineering and Tech.	Coimbatore, Tamilnadu	04th to 5th March 2022	NIL
	2022 2nd International Conference on Artificial Intelligence and Signal Processing (AISP)	VIT-AP	Vijayawada , India	12th to 14th February 2022	NIL
Dr. M. Sitharam	12th International Conference on Cloud Computing, Data Science & Engineering(Confluence)	--	Nioda, India	March 2022	NIL
	International Conference on Smart Systems and Inventive Technology (ICSSIT)	--	Tirunelveli, India	20-22,jan-2022	NIL
Dr.M.Srinivasa Rao	Innovations in Computer Science and Engineering	--	--	March 2022	NIL
	2022 International Conference on Computer Communication and Informatics	--	TamilNadu	25-27,Jan,2022	NIL
Dr.D.Venkata Subbaiah	2nd International Conference on Innovative Practices in Technology and Management (ICIPTM)	--	Gautham Buddha Nagar,India	23rd-25th, February, 2022	NIL
Dr. K. Naga Prasanthi	Second International Conference on Sustainable Expert Systems	--	Singapore	Jan 2022	NIL
S.Govindu	ICT Systems and Sustainability. Lecture Notes in Networks and Systems	--	Goa	Jan-2022	NIL

Online/ face-to-face FDPs attended (External)

Name of the Faculty	Name of the FDP	Institute/Organization	Address	Duration (From....to...)	Registration Amount
Dr. D. Venkata Subbiah	NPTEL- Compiler Design	IIT Kharagpur	Kharagpur	Jan – Apr 2022	NIL
Dr. Y. Vijay Bhaskar Reddy	Inculcating Universal Human Values in Technical Education	AICTE	New Delhi	03-01-2022 to 07-01-2022	NIL
Dr. M. Sitha Ram	ATAL Academy FDP on Machine Learning Applications for Autonomous Driving	KLE Technological University	Delhi	24-01-2022 to 28-01-2022	NIL
Dr. S. Jaya Prada	Inculcating Universal Human Values in Technical Education	AICTE	New Delhi	03-01-2022 to 07-01-2022	NIL
Dr. B. Manaswini	Advances in Artificial Intelligence	Siksha 'O' Anusandhan (Deemed to be University)	New Delhi	21/01/2022 to 25/01/2022	NIL
Mr. N. Srinivasa Rao	TalentNext Project on Big Data	Wipro	Bangalore	Jan – Mar 2022	NIL
Dr. K. Devi Priya	Research Avenues in Machine Learning and AI for Societal Issues	National Institute of Technology Silchar	Assam	14-18, March 2022	NIL
Ms. P. Sarala	Research Applications In Machine Learning-2022	GMR Institute of Technology-Rajam and Department of Computer Science & Systems Engineering	Visakhapatnam	28th March to 1st April 2022	NIL
Mr. P. Jagadeeswara Rao	NPTEL - DBMS	IIT Kharagpur	Kharagpur	Jan – Mar 2022	NIL

Workshops attended (External)

Name of the Faculty	Name of the Workshop	Institute/Organization	Address	Duration (From....to.)	Registration Amount
Dr. K. Naga Prasanthi	Image Processing using python	NIT Karnataka	Karnataka	05-03-2022 to 06-03-2022	NIL

NPTEL Faculty Certifications:

S.No	Name of the Faculty	Name of the Course	Grade	Toppers
1	Dr. D. Venkata Subbaiah	Compiler Design	Elite	
2	Dr. K. Naga Prasanthi	Data Science for Engineers	Elite	
3	Mr. G.V. Suresh	Software Testing	Successfully completed	
4	Mr. S. Nagarjuna Reddy	Machine Learning	Elite	
5	Dr.K DeviPriya	NBA Accrediation and Teaching and Learning in Engineering (NATE)	Elite+Silver	
6	Mr. Ch. Srinivasa Rao	Cloud Computing	Successfully completed	
7	Mr.P.Jagadeeswara Rao	Programming in Java	Elite+Gold	Topper 5%
		DataBase Management System	Elite	
8	Mr.MD.Amanatulla	Problem Solving through Programming in C	Elite	
9	Mr.N.Srikanth	Cloud Computing	Successfully completed	
10	Mrs.G.V Rajya Lakshmi	Data Science for Engineers	Elite+Silver	
		Introduction to Research Online	Elite	
11	Mrs. Sri Bala Malladi	Accreditation and Outcome based Learning-Online	Elite	

**Faculty Publications & Research Mobilization
Journal Publications**

Title of paper	Name of the author/s	Dept.	Name of journal	Year of publication	ISSN number	Link of the recognition in UGC enlistment of the Journal
Enhancement of Energy Efficiency and Network Lifetime Using Modified MPCT Algorithm in Wireless Sensor Networks	J. Nageswara Rao	CSE	Journal of Interconnection Networks	Jan-2022	1793-6713	https://www.worldscientific.com/doi/abs/10.1142/S0219265921440126
Product Review Analysis	L. V. Krishna Rao	CSE	Lecture Notes in Networks and Systems book series (LNNS, volume 321)	Jan-2022	978-981-16-5987-4	https://link.springer.com/chapter/10.1007/978-981-16-5987-4_67
Driver Drowsiness Detection Using Eye Aspect Ratio (EAR), Mouth Aspect Ratio (MAR), and Driver Distraction Using Head Pose Estimation	S. Govindu	CSE	Lecture Notes in Networks and Systems book series (LNNS, volume 321)	Jan-2022	978-981-16-5987-4	https://link.springer.com/chapter/10.1007/978-981-16-5987-4_63

Title of paper	Name of the author/s	Dept.	Name of journal	Year of publication	ISSN number	Link of the recognition in UGC enlistment of the Journal
Forecasting of COVID-19 Using Supervised Machine Learning Models	Y. Vijay Bhaskar Reddy	CSE	International Conference on Soft Computing and Signal Processing	Jan-2022	978-981-16-7088-6-19	https://link.springer.com/chapter/10.1007/978-981-16-7088-6_19
Graph Eigenvalue based Structural Method towards Phonetic Boundary Detection	Dr.P.Bhagath	CSE	TENCON-2021	Feb-2022	978-1-6654-9532-5	https://ieeexplore.ieee.org/document/9707281/
R-Peak Detection from ECG Signals Using Fractal Based Mathematical Morphological Operators	Dr.P.Bhagath	CSE	TENCON-2021	Feb-2022	978-1-6654-9532-5	https://ieeexplore.ieee.org/document/9707247/
Sentimental Analysis through Speech and text for IMDB Dataset	Dr.M Sitha Ram	CSE	International Conference on Smart Systems and Inventive Technology (ICSSIT)	Feb-2022	978-1-6654-0118-0	https://ieeexplore.ieee.org/document/9716303
A Novel hybrid machine learning- based frequent item extraction for transactional database	D. Srinivasa Rao	CSE	International Journal of Modeling, Simulation, and Scientific Computing	Feb-2022	1793-9615	https://www.worldscientific.com/doi/abs/10.1142/S1793962323410064
Privacy Preserving with Modified Grey Wolf Optimization Over Big Data Using Optimal K Anonymization Approach	B. Sivarama Krishna	CSE	Journal of Interconnection Networks	Feb-2022	1793-6713	https://www.worldscientific.com/doi/10.1142/S0219265921410395
Charge the Missing Data with Synthesized Data by Using SN-Sync Technique	N.Srinivasa Rao	CSE	International Conference on Soft Computing and Signal Processing	Jan-2022	978-981-16-7088-6-13	https://link.springer.com/chapter/10.1007/978-981-16-7088-6_13
Sign Language Recognition Using Convolution Neural Network	Nagarjuna Reddy Seelam	CSE	International Conference on Soft Computing and Signal Processing	Jan-2022	978-981-16-7088-6-13	https://doi.org/10.1007/978-981-16-7088-6_59

Title of paper	Name of the author/s	Dept.	Name of journal	Year of publication	ISSN number	Link of the recognition in UGC enlistment of the Journal
Efficiency Evaluation of HRF mechanism on EDoS attacks in Cloud Computing Services	Dr.Veeraiah .D	CSE	International Journal of Ad Hoc and Ubiquitous Computing	Jan-2022	1743-8233	https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijahuc
Energetic and Valuable Path Compendium Routing Using Frustration Free Communication Dimension Extension Algorithm in MANET	Dr.D.Veeraiah, J.Nageswara Rao	CSE	Wireless Communications and Mobile Computing	Mar-2022	Article ID 3685419 1530-8677	https://doi.org/10.1155/2022/3685419
Multiclass Classification for Large Medical Data using Adaptive Random Forest and Improved Feature Selection Methods	Dr.M.Sitaram	CSE	12th International Conference on Cloud Computing, Data Science & Engineering (Confluence)	Jan-2022	978-1-6654-3701-1	https://ieeexplore.ieee.org/document/9734140
A Comprehensive Assessment of Privacy Preserving Data Mining Techniques	K. Naga Prasanthi	CSE	Second International Conference on Sustainable Expert Systems	Jan-2022	978-981-16-7657-4	https://doi.org/10.1007/978-981-16-7657-4_67
HCUGAN: Hybrid Cyclic UNET GAN for Generating Augmented Synthetic Images of Chest X-Ray Images for Multi Classification of Lung Diseases	B.Swathi	CSE	International Journal of Engineering Trends and Technology	Feb-2022	2231 – 5381	doi:10.14445/2315381/IJETT-V70I2P227
An Optimized Fuzzy-Based Resource Allocation for Cloud Using Secured Tabu Search Technique	Dr.M.Srinivasa rao	CSE	Innovations in Computer Science and Engineering	Mar-2022	978-981-16-8987-1	https://link.springer.com/chapter/10.1007/978-981-16-8987-1_17
An Analytical Hierarchy Process Investigation on High Speed Data Implementations Using Big Data	Dr.M.Srinivasa rao	CSE	2022 International Conference on Computer Communication and Informatics	Mar-2022	978-1-6654-8035-2	https://ieeexplore.ieee.org/abstract/document/9741015
A Review on Imbalanced Data Classification Techniques	Shaik Johny Basha	CSE	2022 International Conference on Advanced Computing Technologies and Applications (ICACTA)	Mar-2022	978-1-6654-9515-8	https://ieeexplore.ieee.org/document/9753392

Title of paper	Name of the author/s	Dept.	Name of journal	Year of publication	ISSN number	Link of the recognition in UGC enlistment of the Journal
Leveraging Ensemble Time-series Forecasting Model to Predict the amount of Rainfall in Andhra Pradesh	Shaik Johny Basha	CSE	2022 2nd International Conference on Artificial Intelligence and Signal Processing (AISP)	Mar-2022	978-1-6654-4290-9	https://ieeexplore.ieee.org/document/9760553
Sign Language Recognition Using Convolution Neural Network	S.Nagarjuna Reddy	CSE	International Conference on Soft Computing and Signal Processing, Advances in Intelligent Systems and Computing book series	Jan-2022	978-981-16-7088-6_59	https://doi.org/10.1007/978-981-16-7088-6_59

Books and chapters

Name of the teacher	Title of the book/chapters published	Title of the paper	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
B. Swathi	Implementation of Multi Disciplinary Attributes for Generative Adversarial Networks		Feb-2022	978-93-5607-149-0	LBRCE	Immortal publications
Dr. D.Venkata Subbaiah	Information Security		Mar-2022	97893-93-93694-57-7	LBRCE	Nitya Publications
P.Sarala	Concepts of Cloud Computing Essentials		Mar-2022		LBRCE	Walnut Publication

List of Patents

Sl. No.	Title of Patent	Name of The Faculty	Patent Id
1	Cloud Computing and Iot Based Smart Ecommerce Platform Method Thereof	Dr. D. Veeraiah Dr.S.Ravi Raja Mr.D. Saravanan Dr.G.Arun Kumar Dr.D Stalin David Dr.U.Palani Dr.Safdar Tanweer Mr.Syed Sibtain Khalid Mr.Kolli Srinivas Dr.Shashi Kant Gupta	202241028031

Sl. No.	Title of Patent	Name of The Faculty	Patent Id
2	CNN algorithm based self driving car for future smart city road method and thereof	Dr. A. Sudhir Babu Dr. Mekala Srinivasa Rao Mr. Sunil Chandolu Mrs. Prathyusha Kapa Dr. K. Rubenraju	202241025730
3	Virtual Doctor to detect Patient heart beat and Body temperature	Mrs. G. Jaya Lakshmi T.Sai Venkat raman Dr.O.RamaDevi D.Saravanan Dr. Anjali Suresh Dr. Prasanna Mohan Dr. Jadeesan Alagesan Fathima m Inmamdar Dr. Durga charan Arun Bhagawat Anitha Padigapati Dr.D.Stalin David	202141057189A
4	An Artificial Intelligence to Identify Heart valves and Targetted Delivery of 5nanoparticles	Dr. V. Venkata Subbaiah	202241018235
5	Iot Based Smart Surgery Management System For Hospitals	Dr. N. Senthil Madasamy Dr. R. Manikandan Dr. K. Devipriya Dr. Anita Harsoor Dr Bhadrappa Haralayya Nitesh S Vibhute. Shafee S. M. Dr Harishchander Anandaram Dr. R. Thiagarajan	202241025898

Students publications

Batch No.	Roll no.	Name of The Student	Paper Title	Name of the Conference/ Publication	Date	Organized Institution
BATCH -3	18761A0546	1.Pullagura Meghana	TELUGU ANKELU: A Telugu Spoken Digits Corpora for Mobile Speech Recognitio n	12th Internatio nal Conferenc e on Pattern Recognition Systems(IC PRS)	14th marc h 2022	École Nationale Supérieure des Mines de Saint- Étienne - France
	19765A0506	2.Thetla Santhi Sri				
	18761A0558	3.Y V K Ravindra Bhupathi				
	18761A0521	4.Gudala V.S.Suresh				

Students participated in NCC

Sl. No.	Name of The Event	Roll Number	Name of The Student	Place	Date
1.	National Youth Day	19761A05C7	Vummadi Nitya Sree	Online	12-01-2022 to 16-01-2022
2.		20761A0540	Parasa Pravallika		
3.		19761A0594	Kothamiddela Lahari		
4.		20761A05C0	Shaik Nandini		
5.		20761A0528	Kondreddy Krishnaveni		
6.		19761A0582	Dulla Krishna Kavya		
7.		20761A05G7	Malavathu Lakshmi Prasanna		
8.		20761A0523	Illuru Hepsebha		
9.		20761A05B6	Puthi Gnana Nagasri		
10.		19761A0566	Addanki Sasi Samyogitha		
11.		19761A05C4	Uravakonda Mayuri		
12.		19761A0577	Chandana Madhuri		
13.		19761A05E0	Chilakala Geetha Reddy		
14.		19761A05G3	Mangunuru Amulya Reddy		
15.		19761A05B3	Seelam Vasavi		
16.		19761A0578	Chevinedi Haritha		
17.		20761A0588	Jami Bhavya Sri		
18.		20761A05E3	Chaturvedula Sri		

			Lakshmi Hymavathi		
19.		20761A0568	Bathula Sushma		
20.		20761A05H3	Pulavai Bhavana		
21.		20761A0521	Guthikonda Bhavana		
22.		19761A05C7	Vummadi Nitya Sree		
23.		20761A0540	Parasa Pravallika		
24.		19761A0594	Kothamiddela Lahari		
25.		20761A05C0	Shaik Nandini		
26.		20761A0528	Kondreddy Krishnaveni		
27.		19761A0582	Dulla Krishna Kavya		
28.		20761A05G7	Malavathu Lakshmi Prasanna		
29.		20761A0523	Illuru Hepsebha		
30.	Republic Day	20761A05B6	Puthi Gnana Nagasri	LBRCE	26/01/2022
31.		19761A0566	Addanki Sasi Samyogitha		
32.		19761A05C4	Uravakonda Mayuri		
33.		19761A0577	Chandana Madhuri		
34.		19761A05E0	Chilakala Geetha Reddy		
35.		19761A05G3	Mangunuru Amulya Reddy		
36.		19761A05B3	Seelam Vasavi		
37.		19761A0578	Chevinedi Haritha		

38.		20761A0588	Jami Bhavya Sri		
39.		20761A05E3	Chaturvedula Sri Lakshmi Hymavathi		
40.		20761A0568	Bathula Sushma		
41.		20761A05H3	Pulavai Bhavana		
42.		20761A0521	Guthikonda Bhavana		
43.	B-Certificate Exam	19761A05C7	Vummadi Nitya Sree	Vijayawada	20/02/22
44.		20761A0540	Parasa Pravallika		
45.		19761A0594	Kothamiddela Lahari		
46.		20761A05C0	Shaik Nandini		
47.		20761A0528	Kondreddy Krishnaveni		
48.		19761A0582	Dulla Krishna Kavya		
49.		20761A05G7	Malavathu Lakshmi Prasanna		
50.		20761A0523	Illuru Hepsebha		
51.		20761A05B6	Puthi Gnana Nagasri		
52.		19761A0566	Addanki Sasi Samyogitha		
53.		19761A05C4	Uravakonda Mayuri		
54.		19761A0577	Chandana Madhuri		
55.		19761A05E0	Chilakala Geetha Reddy		
56.		19761A05G3	Mangunuru Amulya Reddy		
57.		19761A05B3	Seelam Vasavi		

58.		19761A0578	Chevineedi Haritha		
59.		20761A0588	Jami Bhavya Sri		
60.		20761A05E3	Chaturvedula Sri Lakshmi Hymavathi		
61.		20761A0568	Bathula Sushma		
62.		20761A05H3	Pulavai Bhavana		
63.		20761A0521	Guthikonda Bhavana		
64.	C-Certificate Exam	18761A0572	D Sowmya Sai	Vijayawada	06/03/22

SAHELI- Girls Club

S.NO	Name of the Event	Resource person	Period/Date	No of participants	
				Faculty	Student
1	Sankranthi-Rangoli	Conducted by Saheli Girls Club LBRCE	12-01- 2022	Women Teaching & Non Teaching staff	CSE,CSM Girl students 28slots
2	National Girl Child Day	Dr.A.Amrutha valli Associate Prof Dept of Microbiology,ANU,AP	24-01-2022	Women Teaching & Non Teaching staff	III sem CSE,CSM Girl students



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)

Accredited by NAAC & NBA, ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING