



# INFORMATE

## NEWSLETTER

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## ADITYA ENGINEERING COLLEGE (A)

APPROVED BY AICTE, NEWDELHI AND PERMANENTLY  
AFFILIATED TO JNTUK, KAKINADA

# About Computer Science and Engineering

The Department was established in the year 2001 with intake of 60. The intake was increased to 120 in the year 2005 and 180 in the year 2013. The department accredited by NBA in the year 2008. Department has well experienced and qualified faculty. The Department is recognized as “Research Centre” by JNTUK, in the year 2018 and 2021.

The department aims at promoting quality and value-based education by harnessing the skills of students, creating awareness on the advancements in Computer Science and preparing them for the agile industry.

The department is offering UG & PG (CSE) programmes. Department is having CSI Students Chapter & ISTE Student and Faculty Chapters. The Department as Well-equipped Laboratories and Centre of Excellence.

## Vision of the Department

To emerge as a competent Centre of excellence in the field of Computer Science and Engineering for industry and societal needs.

## Mission of the Department

- Impart quality and value based education
- Inculcate the inter personal skills and professional ethics
- Enable research through state-of-the-art infrastructure
- Collaborate with industries , government and professional societies

## Faculty Publications

### Journals

Sl. No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/Month	Index No UGC/Scopus	URL/DOI	Month/Year of Publication
1	Dr.V.Ravi Kishore	Improved Support Vector Machine and Image Processing Enabled Methodology for Detection and Classification of Grape Leaf Disease	Hindawi Journal of Food Quality	1469 428	Volume 2022	SCOPUS	<a href="https://doi.org/10.1155/2022/9502475">https://doi.org/10.1155/2022/9502475</a>	JUL 2022
2	Dr. S. Rama Sree	Investigation into Linear Micropattern Generation using Electrochemical Micromachining	Journal of Engineering Science and Technology Review	1791 - 2377	Volume1 5 No.5/ 2022	SCOPUS	<a href="http://www.jestr.org/download/Volumes/Volume15/Fulltext221552022.pdf">http://www.jestr.org/download/Volumes/Volume15/Fulltext221552022.pdf</a>	AUG 2022
3	Dr. S. Rama Sree	Micropatterning using maskless electrochemical micromachining	Materials Today: Proceedings	2214 - 7853	Volume 65/2022	SCOPUS	<a href="https://doi.org/10.1016/j.matpr.2022.05.385">https://doi.org/10.1016/j.matpr.2022.05.385</a>	AUG 2022
4	Dr. S. Prasanth Vaidya	Digital Watermarking System for Copyright Protection and Authentication of Images Using Cryptographic Techniques	Appl. Sci.	2076 - 3417	Volume 12/ August 2022	SCOPUS	<a href="https://doi.org/10.3390/ap12178724">https://doi.org/10.3390/ap12178724</a>	AUG 2022

## Conferences

Sl.No.	Name of the Faculty as Author	Title of the Paper	Name of the Conference	Date /s	Organized by with location	ISBN /ISSN Number	U R L / D O I
1	Mrs.N Akhila	Mobile Application for Water Management and Monitoring System in Residential Building	IEEE International Conference on Futuristic Technologies (INCOFT)	2022	Karnataka		
2	Mr. A. Phani Sridhar	Driving Decision Strategy using Machine Learning Algorithms for Autonomous Vehicles	13th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2022	27 June 2022t hrough 28 June 2022	Virtual, Online	978-17138 5793-8	
3	Dr. A. Vanathi	A Review on IoT Applications in Smart Agriculture	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		
4	Dr.S. Rama Sree	Network Mechanism Establishment and Authentication Using Digital Certificate Management	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		

<b>Sl. No.</b>	<b>Name of the Faculty as Author</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Date/s</b>	<b>Organized by with location</b>	<b>ISBN/ISSN Number</b>	<b>URL/DOI</b>
5	Dr.S. Prasanth Vaidya	An Analysis of Intelligent Parking System using Artificial Intelligence for IoT Applications	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		
6	Mrs.K.Vydehi	Face Detection System for Smart Security Application	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		
7	Mr.A.Phani Sridhar	A Survey on IoT based Intrusion Detection System and its security for Smart Homes	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		
8	Dr.S.Rama Sree	Artificial Intelligence based Fake News Detection Techniques	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		

Sl.No.	Name of the Faculty as Author	Title of the Paper	Name of the Conference	Date /s	Organized by with location	ISBN/ISSN Number	URL/DOI
9	Mr.K.Govinda Raju	Securing Cloud using Intrusion Detection Systems: A Review	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		
10	Dr. T. Rama Reddy	Artificial Intelligence based System for Securing Computer Networks: A Survey	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		
11	Mr. N. Siva Kumar	A Detailed Investigation on Forest Monitoring System for Wildfire using IoT	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		
12	Mrs.T. Sudha Rani	Student Placement Prediction using Machine Learning Models (KNN, SVM, RF, Logistic Regression)	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem		

<b>Sl. No..</b>	<b>Name of the Faculty as Author</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Date /s</b>	<b>Organized by with location</b>	<b>ISBN/IS SN Number</b>	<b>URL/ DOI</b>
13	Dr.A Vanathi	Classification of Genetic Mutations for Cancer Identification using Machine Learning	2 <sup>nd</sup> International Conference on Advanced Research in Science, Engineering & Management	30-31 July 2022	International Institute for Technical and Scientific Research, India on 30-31 July 2022.		
14	Mr.M Kalyan Ram	Security in Internet of Things using Machine Learning Methods	First International Conference on Recent Trends in Materials and Manufacturing Technologies, RMMT 2022	30-31 July 2022	B.N. College of Engineering and Technology, Lucknow, India, AIP, 2022.		

**Student Conference papers**

<b>Sl. No.</b>	<b>Name of the Faculty as Author</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Date/s</b>	<b>Organized by with location</b>
1	Gurralla Sai Sree, Tungala Sasi Pavan Kumar	An Analysis of Intelligent Parking System using Artificial Intelligence for IoT Applications	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem
2	Ganapathi Durga Sai Prasad	A Review on IoT Applications in Smart Agriculture	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem
3	Bindhu Sri Vendra, Prudhvi Raju Dasari	Face Detection System for Smart Security Application	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem
4	Keerthi J, Bhanu Naveen Teja K, Rama Seshu V	A Survey on IoT based Intrusion Detection System and its security for Smart Homes	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem
5	Sankar Desamsetti, Satya Hemalatha, Juttuka Yamini Mahitha Posina	Artificial Intelligence based Fake News Detection Techniques	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem

Sl. No.	Name of the Faculty as Author	Title of the Paper	Name of the Conference	Date/s	Organized by with location
6	Vishnu Balaji Eepari, Ch. Govind Raju, P. Dileesh Sai	Securing Cloud using Intrusion Detection Systems: A Review	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem
7	Bidawat Tarajit Singh, Bollarapu Sundara Kumar	Artificial Intelligence based System for Securing Computer Networks: A Survey	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem
8	U.John Wesly, R.Venkata Sai Chaitanya, P. Lakshman Kumar	A Detailed Investigation on Forest Monitoring System for Wildfire using IoT	1st International Conference on Recent Developments in Electronics and Communication Systems	22nd & 23rd July 2022	Aditya Engineering College, Surampalem
9	Varanasi Chintamani Karthikeya Sarma	Security in Internet of Things using Machine Learning Methods	First International Conference on Recent Trends in Materials and Manufacturing Technologies, RMMT 2022	30-31 July 2022	B.N. College of Engineering and Technology, Lucknow, India, AIP, 2022.

**Faculty Development Programs Attended**

S. No	Dept	Name of the faculty	Designation	Name of the workshop/ Training programme	Organization	Date(s)	
						From	To
1	CSE	Dr Prasanth Vaidya	Associate Professor	Artificial Intelligence for Computer Vision and Image Processing	E&ICT Academy, NIT Warangal and Kakatiya Institute of Technology and Science	06/06/2022	18/06/2022
2	CSE	Dr K.Swaroop	Associate Professor	FDP on Amazon Web Services	GMRIT, Brain O Vision	22/08/2022	27/08/2022
3	CSE	K.Vydehi	Senior Assistant Professor	Amazon Web Services	AEC in collaboration with Brain O Vision	22/08/2022	27/08/2022
4	CSE	Dr A Vanathi	Associate Professor	Amazon Web Services	AEC in collaboration with Brain O Vision	22/08/2022	27/08/2022

**Skills Procured Faculty – Industry Training**

SNO	FACULTY NAME	DESIGNATION	COMPANY NAME	TOPIC NAME	DATE
1	M.Kalyan Ram	Assistant Professor	EPAM Systems India Private Limited	Devops	11/05/2022 to 12/08/2022
2	Dr.M.Venkatesh	Associate Professor	EPAM Systems India Private Limited	Java Programming	11/05/2022 to 12/08/2022
3	B.R.S.S.Raju	Assistant Professor	EPAM Systems India Private Limited	Mean Stack Fundamentals	11/05/2022 to 12/08/2022
4	Dr.M.Venkatesh	Associate Professor	Wipro	Full Stack Development	

**Guest Lectures Attended By Students**

S.No.	Title Name	Organized By	Venue	Resource Person	Date	No. of Participants	Student/ Faculty
1.	Online Webinar on Higher Education in USA & UK	AEC	Online	Mr. Hasith Reddy Konireddy, Program Director, Black Buck	21/07/2022	100	Students (IV years)
2.	Guest lecture on “Industrial Applications of Machine Learning and Opportunities in Software Industries	AEC	AEC, Seminar Hall	Mr. Sivakanth Sattiraju	08/08/2022	200	Students (II and III years)
3.	Study Abroad Counseling	AEC	AEC Seminar Hall	Mr. Kamalakar	02/08/2022	100	Students (IV Years)
4.	Cyber Security	AEC	Seminar Hall	Mr. I L Narishma Rao	27/08/2022	200	Student (III CSE)

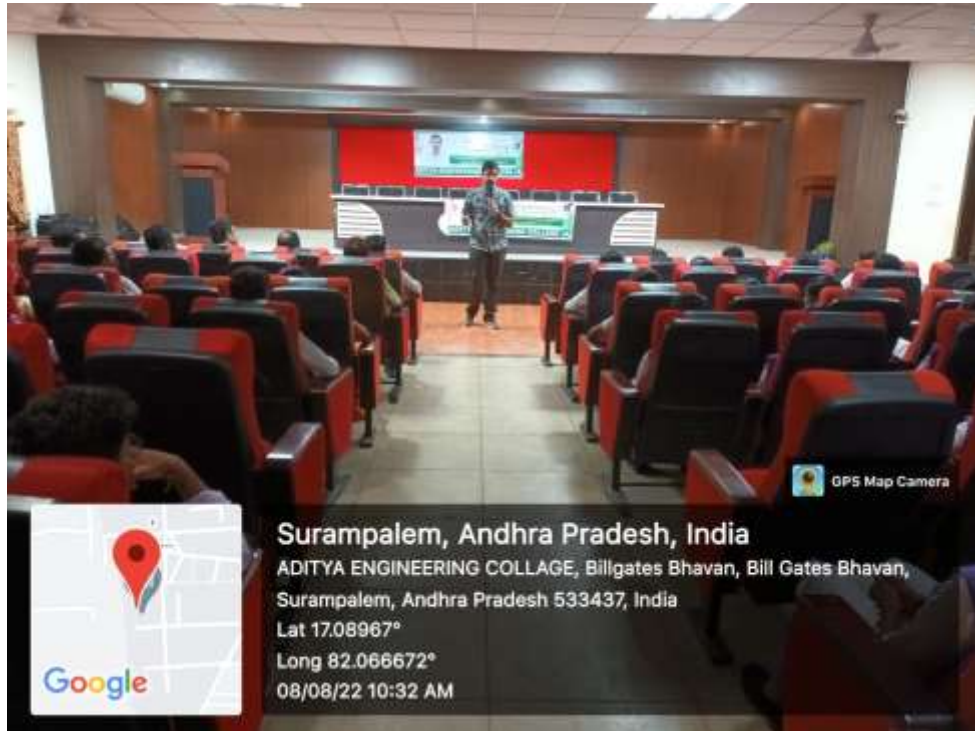
**FDP Organized**

A Five Day FDP on “Data Analytics and Enhanced Teaching Methodologies” Organised by Dept of CSE,AEC and in Association with APITA and CEMCA from 13/06/2022 to 17/06/2022.

## Session Photos of Guest Lectures



Online Webinar on **Higher Education in USA & UK** by Mr. Hasith Reddy Konireddy, Program Director, Black Buck on 21/07/2022



Guest lecture on “**Industrial Applications of Machine Learning and Opportunities in Software Industries** by Mr. Sivakanth Sattiraju on 08/08/2022



Guest lecture on **Study Abroad Counseling** by Mr. Kamalakar on 02/08/2022



A guest lecture on **Cyber Security** by Mr. I L Narishma Rao on 27/08/2022

#### Value Added Courses for Students

S.No.	Title of the Value Added Course	Academic Year	No. of Students Completed the Course	Dates of Course Conducted
1.	Full Stack Development	2022-23	83	02-02-2022 to 05-08-2022

## Alumni Interactions

S.NO	Date	Alumni Details	Topic Addressed on	Addressee to
1	04/07/2022	Adiraju Sai Sasank (12A91A0563)	Oppurtunies in Amazon company	II CSE A
2	05/07/2022	Nandina Lakshmi Phani Kumari (13A91A05F9)	MS in UK	II CSE B
3	11/07/2022	Prathi Niharika Venkatapadmavathi (17A91A0547)	Higher Education	II CSE C
4	14/07/2022	S Poorna Lakshmi Devi Sirisha (18A91A05H1)	How to crack job interviews	II CSE B
5	14/07/2022	P Posi Lakshmi Mounika (18A91A05G5)	How to be Industry Ready	II CSE B
6	18/07/2022	Bhagath (14A91A05B2)	How to become entrepreneur	II CSE B
7	18/07/2022	Kolli Bhanu Sree Maanvi(18A91A05E0)	How to get a Good Job	II CSE C
8	19/07/2022	Panangipalli Lakshmi Aishwarya (17A91A05A6)	Higher Education	II CSE B
9	19/07/2022	Kamineni Bangaru Renu Sri(17A91A05E6)	Competitive exams	II CSE B
10	19/07/2022	P Mamatha(18A91A05A0)	Cracking MNC companies with Higher Package	II CSE B
11	01/08/2022	M. Gowtham(18A91A0593)	Competitive exams	II CSE A
12	01/08/2022	M Prudhvi(19A95A0508)	Competitive exams	II CSE A
13	01/08/2022	P V Shanmukh Siva Ganesh(17A91A0545)	How to select for MNC companies	II CSE B
14	01/08/2022	P Tej Praveen Ayyaji(17A91A0556)	Job Roles and Oppurtunities companies	II CSE B
15	01/08/2022	K Sree Venkata Karthikeya(18A91A0531)	How to crack Job Interviews	II CSE A
16	20/08/2022	P Swathi(15A91A0540)	Internship and Training Oppurtunities in Divami Company	V CSE A

## Photos at Alumni Interactions









## Faculty Ph.D Awarded

Recently Awarded with Doctoral Degree

S.No.	Name of the Faculty	University	Title & Guidance	Month-Awarded
1	A.Vanathi	ANU, Guntur	“Dynamic Multi-Layer Support for Aggregation Tip Reduce the Hotspot Problem of Sensor in IoT”  Under the guidance of Dr. Naga Malleswara Rao	August 2022



# **Editorial Board**

## **Editor in Chief**

**Dr. M. Sreenivasa Reddy** Principal

## **Associate Editors**

**Dr. A. Vanathi** Associate Professor & HOD

**Mr. M. Kalyan Ram** Assistant Professor

**Mrs. K. Vydehi** Assistant Professor

## **Assistant Editors**

**Mr. K. Manikanta** (III B. Tech-20A91A0592)

**Mr. M. Teja** (III B. Tech-20A91A0539)

**Ms. G. Sai Sree** (IV B. Tech-19A91A0517)

**Mr. G. Tarun Venkata Ramesh** (IV B. Tech-19A91A0515)

**Ms. V Sudheethi** (IV B. Tech-19A91A0559)

**Ms. Shaik Ayesha** (IV B. Tech-19A91A0552)