

# TECH -TALK

THE BIENNIAL MAGAZINE OF COMPUTER  
SCIENCE AND ENGINEERING



```
def __init__(self, request):  
    self.request = request  
    self.fingerprints = []  
    self.file = None  
    self.file.write(fp + os.linesep)  
    return request_fingerprint(self, request)  
def request_fingerprint(self, request):  
    self.fingerprints.add(fp)  
    if self.fingerprints:  
        return True  
    return False  
def __str__(self):  
    return self.fingerprints
```

2021-22 ISSUE-I



**Vision:**

*“The Computer Science & Engineering aims at providing continuously stimulating educational environment to its students for attaining their professional goals and meet the global challenges.”*

**Mission:**

- ✦ To develop a strong theoretical and practical background across the computer science discipline with an emphasis on problem solving.
- ✦ To inculcate professional behavior with strong ethical values, leadership qualities, innovative thinking, and analytical abilities into the student.
- ✦ Expose the students to cutting edge technologies which enhance their employability and knowledge.
- ✦ Facilitate the faculty to keep track of latest developments in their research areas and encourage the faculty to foster the healthy interaction with industry.

**UNDERGRADUATE**

**PROGRAM EDUCATIONAL OBJECTIVES (PEOs):**

- PEO-I:** Pursue higher education, entrepreneurship, and research to compete at global level.
- PEO-II:** Design and develop products innovatively in the area of computer science and engineering and in other allied fields.
- PEO-III:** Function effectively as individuals and as members of a team in the conduct of interdisciplinary projects; and even at all the levels with ethics and necessary attitude.
- PEO-IV:** Serve ever-changing needs of the society with a pragmatic perception.

**PROGRAM OUTCOMES (POs):**

**Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

**Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations

**Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the professional engineering practice.

**Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.



**Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**Life-long learning:** Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

#### **PROGRAM SPECIFIC OUTCOMES (PSOs):**

**PSO1:** The ability to apply Software Engineering practices and strategies in software project development using open source programming environment for the success of organization.

**PSO2:** The ability to design and develop computer programs in networking, web applications and IoT as per the society needs.

**PSO3:** To inculcate an ability to analyze, design and implement database applications.

#### **POSTGRADUATE**

#### **PROGRAM OUTCOMES (POs):**

**PO-I:** Independently carry out research/investigation and development work to solve practical problems.

**PO-II:** Write and present a substantial technical report/document.

**PO-III:** Demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

**PO-IV:** Design and develop software projects given their specifications and within performance and cost constraints.

**PO-V:** An ability to Work on multi-disciplinary projects and exhibit team skills to upgrade knowledge for adoption of current technological changes.

**PO-VI:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

#### **PROGRAM EDUCATIONAL OBJECTIVES (PEOs):**

**PEO-I:** To inculcate the investigating and adaptability skills into the students to carryout research on recent trends in Computer Science and Engineering Technology.

**PEO-II:** To empower the student with the qualities of effective communication, technical document writing, teamwork, lifelong learning attitude, and leadership needed for a successful career.

**PEO-III:** Enlighten the students on analyzing engineering issues in a broader perspective with ethical responsibility towards sustainable development to satisfy the societal needs.

**PEO-IV:** Equip the students with all-round knowledge to adapt the evolving technical challenges and changing career opportunities in par with global competency.



**Newly Joined Faculty:**

S. No	Id	Name	Designation	Highest Qualification	Date of Joining	PAN	Adhaar
1	T856	Dr.D.Venkata Subbaiah	Professor	Ph.D	04.08.2021	AMNPD3897P	383115263627
2	T870	Dr.S.Jaya Prada	Associate Professor	Ph.D	18.08.2021	AQRPS0261N	430181604845
3	T878	Dr.B.Manaswini	Associate Professor	Ph.D	27.08.2021	BEBPB2402K	583821702625
4	T867	Ms.K.Devi Priya	Sr. Assistant Professor	M.Tech	16.08.2021	ASNPD0188P	409708455566
5	T855	Mr.O.Venakata Siva	Assistant Professor	M.Tech	04.08.2021	ABYPO7732N	330303690722
6	T869	Ms.P.Sarala	Assistant Professor	M.Tech	18.08.2021	CFXPP3131B	668931211488
7	T866	Ms.N.Sridevi	Assistant Professor	M.Tech	16.08.2021	AFGPS0264N	905484291849
8	T868	Ms.T.Vineetha	Assistant Professor	M.Tech	17.08.2021	BCEPT0709G	394699036927
9	T854	Ms.M.Swathi	Assistant Professor	M.Tech	03.08.2021	CWPM9283M	351826321838
10	T879	Mr.P.Jagadeeswara Rao	Assistant Professor	M.Tech	27.08.2021	CCZPP8992D	940764792966
11	T890	Mr.R.Ashok	Asst. Professor	M.Tech	13-12-2021	BUDPR6043L	672157028076
12	T891	Mr.A.Gopi Suresh	Asst. Professor	M.Tech	13-12-2021	BEEPA0692D	643153031155
13	T892	Mr.N.Sreekanth	Asst. Professor	M.Tech	21-12-2021	ASYPN3599B	579872594365

**Faculty Left:**

S. No	Id	Name	Designation	Highest Qualification	Date of Joining
1	T806	Dr. D. Jagan Mohan Reddy	Associate Professor	Ph.D.	27-08-2018
2	T681	Mr. V. Siva Krishna	Assistant Professor	M.Tech	15-06-2015
3	T670	Mr. Sundeep Saradhi. K	Sr. Assistant Professor	M.Tech	18-09-2014
4	T588	Mr. G. Balu Narsimha Rao	Sr. Assistant Professor	M.Tech	27-12-2015

**Faculty Promotions:**

Name of the Faculty	Qualification	New Designation	Old Designation	Date of Promotion
Ms. G.V.Rajya Lakshmi	M.TECH (Ph.D)	Sr.Assistant Professor	Assistant Professor	01.07.2021
Mr. K.Sundeep Saradhi	M.TECH	Sr.Assistant Professor	Assistant Professor	01.07.2021
Mr. A.Sudhakar	M.TECH	Sr.Assistant Professor	Assistant Professor	01.07.2021
Mr. T.Udaya Kumar	M.TECH	Sr.Assistant Professor	Assistant Professor	01.07.2021
Mr. N.V.Naik	M.TECH (Ph.D)	Sr.Assistant Professor	Assistant Professor	01.07.2021
Mr. N.Srinivasa Rao	M.TECH	Sr.Assistant Professor	Assistant Professor	01.07.2021
Mr. Shaik Johnny Basha	M.TECH (Ph.D)	Sr.Assistant Professor	Assistant Professor	01.07.2021
Mr. S.Govindu	M.TECH (Ph.D)	Sr.Assistant Professor	Assistant Professor	01.07.2021
Mr. P.Vamsi Naidu	M.TECH (Ph.D)	Sr.Assistant Professor	Assistant Professor	01.07.2021
Mr. S.Srinivasa Reddy	M.TECH	Sr.Assistant Professor	Assistant Professor	01.07.2021

**Ph. D awarded / Thesis Submitted:**

Name of the Faculty	Title of Thesis	Name of the University	Nam of the Supervisor and University	Date of Submission/ Award
Mr. J. Nageswara Rao	Prediction of Heart Disease Based on Machine Learning	Acharya Nagarjuna University	Dr. R. Satya Prasad	28.07.2021
Dr. K. Devi Priya	Secure Authentication Methods for Cloud Based Applications	JNTUK, Kakinada	Dr.L.Sumalatha	29-12-2021

**Faculty Recognitions and Achievements:**

Name of the Faculty	Name of the Award/Recognition	Awarding Agency	Address	Date of recognition/ Award
Sk. Johny Basha	Best Researcher Award 2021	International Journal for Modern Trends in Science and Technology	Vijayawada	17.08.2021

**MoUs with institutions of national, international importance, other universities, industries, corporate houses etc.**

Organization with which MoU is signed	Institution/ Industry/ Corporate house	Year of signing MoU	Duration	Activities under MOU
Smart Bridge Educational services	LBRCE	01-11-2021	1 year	Skill based training, Consultancy and educational services
Indian Servers Private Limited	LBRCE	01-11-2021	1 year	Skill based training, Consultancy and educational services, Student Internships

**Conferences/FDPs organized:**

**Name of the Coordinators:** Dr. D. Veeraiah, Professor & HOD, CSE **Duration:** 01 Week

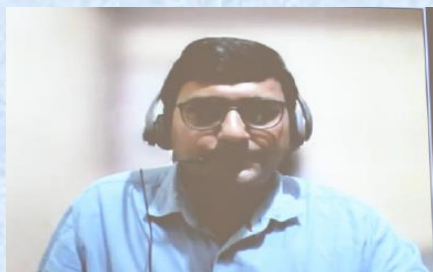
Title of the Conference /FDP	No. of Participants		Name of Resource Person	Name of Organization/ Institute	Address	Date
	External	Internal				
ATAL Sponsored Faculty Development Program on "Cyber Security"	97	13	Dr. B. Ramesh Babu, MNIT Jaipur Dr. E. Suresh Babu, NIT Warangal Mr. Nitesh Bhatia, CTO, Gratia Technology Mr. Varun Pathak, Chief Security Expert, Gratia Technology Dr. Bhawana Rudra, NITK Surathkal Mr. Sai Satish, CEO, India Servers	Lakireddy Bali Reddy College of Engineering & ATAL	Mylavaram	08-11-2021 To 12-11-2021

**Photo- 1 with caption & Resource Person details**

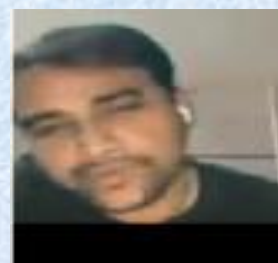
Dr. B. Ramesh Babu, MNIT Jaipur

**Name of the Coordinators:** Dr. O. Rama Devi, Professor**Duration:** 01 Week

Title of the Conference /FDP	No. of Participants		Name of Resource Person	Name of Organization/ Institute	Address	Date
	External	Internal				
ATAL Sponsored Faculty Development Program on “Data Science and its Applications”	101	32	Mr. Nahar Singh. Sr. Manager, AI Labs Continental AG, Bangalore. Dr. Santhosh Kumar PhD. Data Science Manager, Midlands and Lancashire, NHS, London. Mr. Ritesh Ratti, (Ph. D). Senior Data Scientist, Grab, Singapore. Mr. T. Ram Kumar. Project Manager, Aditi Software, Hyderabad. Dr. Akash Anil Ph. D (IITG). Asst. Professor, SRM University A. P.	LBRCE & ATAL	Mylavaram	06-12-2021 To 10-12-2021

**Photo- 1 with caption & Resource Person details**

Mr. Nahar Singh, Senior Manager, AI Continental Labs AG, Bengaluru

**Photo- 2 with caption & Resource Person details**Dr. Santhosh Kumar PhD.  
Data Science Manager, Midlands and Lancashire, NHS, London.



**Photo- 1 with caption & Resource Person details**

**Mr. T. Ram Kumar.**  
Project Manager, Aditi Software, Hyderabad.

**Photo- 2 with caption & Resource Person details**

**Dr. Akash Anil Ph. D (IITG).**  
Asst. Professor,  
SRM University A. P.

**Guest Lectures conducted:**

Name of the Coordinators: Dr. S. JayaPrada,

Date: 27/11/2021

Title of the Guest Lecture	No. of Participants	Name of Resource Person	Name of Organization/ Institute	Address
Natural Language Processing	210	Dr. Mohit Kumar	NIT Hamirpur	Department of CSE, IT Hamirpur

**Photo- 1 with caption & Resource Person details**

Name : Dr. Mohit Kumar  
Designation : Assistant Professor Department  
Computer Science & Engineering  
Qualification : PhD  
Phone : Email ID : [mohit@nith.ac.in](mailto:mohit@nith.ac.in)  
Profile URL :  
<https://portfolios.nith.ac.in/index.php?/nith/dr-mohit>

Name of the Coordinators: Dr. S. JayaPrada


Date: 11/12/2021

Title of the Guest Lecture	No. of Participants	Name of Resource Person	Name of Organization/ Institute	Address
Natural Language Processing Uses in Industry	84	Dr Swarup Ranjan Behera	Reliance Jio AICOE	Hyderabad



Swarup Ranjan Behera  
Senior Data Scientist, Reliance Jio  
Platforms Ltd,  
Hyderabad Phone: +91-9439872747  
Email: [swarup221b@gmail.com](mailto:swarup221b@gmail.com)

**Name of the Coordinators:** Dr. Y. Vijaya Bhaskar Reddy **Date:** 18/12/2021

Title of the Guest Lecture	No. of Participants	Name of Resource Person	Name of Organization/ Institute	Address
Machine Learning & its Applications	201	Mr. P Buddha Reddy	Data Scientist L&T Services,	Hyderabad.
				Mr. P Buddha Reddy, Tech Lead, Data Scientist L&T Services, Hyderabad.

### Workshops/Seminars/Certification programs/ In-House training conducted

**Name of the Coordinators:** Dr. P. Ashok Reddy & Dr. S. JayaPrada

**Date:** 06/12/2021 TO 24/12/2021

**Duration:**03 Weeks

Title of the Workshops/Seminars/Certification program	No. of Participants	Name of Resource Persons	Name of Organization/ Institute	Address
Machine Learning Using Python	180	Golla Naga Mounika & Meda Ruthumma	Trainer APSSDC	Vijayawada

### Research Colloquia:

S. No	Name	Title	Date	Venue
1	Dr. P. Bhagath	Contemporary research topics	24.07.2021	SONET
2	Mr. Thoka Udaya Kumar	Image processing for Insect detection	20.08.2021	SONET
3	Mrs. K. Devi Priya	Natural Language Processing and its applications	25.09.2021	SONET
4	Dr. M. Srinivasa Rao	Machine Learning technique for Music genre classification	16.10.2021	SONET
5	Ms. T. Vineetha	Fundamental concepts of cloud computing	29.11.2021	SONET
6	Dr. D. Venkata Subbaiah	Opting of Research Topic	27.11.2021	SONET
7	Dr.Y.V.Bhaskar Reddy	Writing good research paper	27.11.2021	SONET

### Faculty Acted as Resource Persons/Session Chair/BoS members:

Name of the Faculty	Role	Title of the Event	Name of Institute	Address	Date/Year
Dr. M. Srinivasa Rao	Inauguration Event	Techsparks – Technical Event	Sri Durga Malleswara Siddhartha Mahila Kalasala	Vijayawada	08-12-2021
Dr. M. Srinivasa Rao	BoS Member	-	Sri Durga Malleswara Siddhartha Mahila Kalasala	Vijayawada	16-12-2021



**Faculty attended International/National Conferences (External)**

Name of the Faculty	Name of the Conference	Institute/Organization	Address	Duration (From....to..)	Registration Amount
Dr. M. Srinivasa Rao	2021 International Conference on Recent Advances in Mathematics and Informatics (ICRAMI)	Larbi Tebessi university	Tebessa, Algeria	21-09-2021	NIL
Dr. M. Srinivasa Rao	2021 2nd International Conference on Smart Electronics and Communication (ICOSEC)	Kongunadu College of Engineering and Technology	Tamilnadu	07-10-2021 to 09-10-2021	NIL
Dr. Ch. Venkata Narayana	2nd International Conference on Electronics and Sustainable Communication Systems IEEE	Hindusthan Institute of Technology	Coimbatore, India	04-08-2021 to 06-08-2021	NIL
Dr. P. Bhagath	IEEE International Conference on Artificial Intelligence in Engineering and Technology	Osaka Institute of Technology (OIT)	Kota Kinabalu, Malaysia	13-09-2021 to 15-09-2021	NIL
Dr. P. Bhagath	2021 IEEE XXVIII International Conference on Electronics, Electrical Engineering and Computing (INTERCON)	Universidad Nacional de San Agustin de Arequipa - UNSA	Lima, Peru	05-08-2021 to 07-08-2021	19,421
Dr. M. Sitha Ram	Third International Conference on Inventive Research in Computing Applications	RVS College of Engineering and Technology	Coimbatore, India	02-09-2021 to 04-09-2021	NIL
Mr. Sk. Johny Basha	2nd International Conference on Electronics and Sustainable Communication Systems IEEE	Hindusthan Institute of Technology	Coimbatore, India	04-08-2021 to 06-08-2021	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. Veeraiah	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Dr. D. Venkata Subbaiah	Machine Learning using Python	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL



Name of the Faculty	Name of the FDP	Institute/Organization	Address	Duration (From....to...)	Registration Amount
Dr. D. Venkata Subbaiah	ATAL Academy FDP on “IoT & Cyber Security”	Institute of Engineering and Management	New Delhi	06-09-2021 to 10-09-2021	NIL
	ATAL Academy FDP on “Introductory Data Science and Deep Learning”	International Institute of Information Technology	Naya Raipur	16-09-2021 to 20-09-2021	NIL
Dr. Y. Vijay Bhaskar Reddy	Machine Learning using Python	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL
	Inculcating Universal Human Values in Technical Education	AICTE	New Delhi	03-01-2022 to 07-01-2022	NIL
Dr. K. Naga Prasanthi	STTP on “Machine Learning Trends & Applications (Phase 2)”	University College of Engineering Kakinada (A), JNTUK	Kakinada	27-09-2021 to 02-10-2021	NIL
	ATAL Academy FDP on Cyber Security	LBRCE	Mylavaram	08-11-2021 to 12-11-2021	NIL
	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Dr. P. Bhagath	40 – Hour FDP on “Artificial Intelligence Applications in Software Engineering”	Sponsored by Ministry of Electronics and Information Technology organized by E & ICT, NIT	Warnagal	06-07-2021 to 14-07-2021	750/-
Dr. M. Sitha Ram	Internet of Things	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL
	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL



Name of the Faculty	Name of the FDP	Institute/Organization	Address	Duration (From....to...)	Registration Amount
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	One – Week FDP on “Research Methodology & IPR”	VR Siddhartha Engineering College under AICTE Margadarshan	Vijayawada	13-09-2021 to 17-09-2021	NIL
	ATAL Academy FDP on “Application areas of Data Analytics”	IIT Alahabad	Alahabad	23-10-2021 to 27-10-2021	NIL
	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
	Inculcating Universal Human Values in Technical Education	AICTE	New Delhi	03-01-2022 to 07-01-2022	NIL
Dr. B. Manaswini	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Dr. K. Devi Priya	ATAL Academy FDP on “Advanced Cloud Computing Technologies and its Benefits for Engineering College Faculties”	ICU of University Grants Commission	New Delhi	13-09-2021 to 17-09-2021	NIL
	ATAL Academy FDP on “Machine Learning with R Programming”	NITTR	Kolkata	25-10-2021 to 29-10-2021	NIL



Name of the Faculty	Name of the FDP	Institute/Organization	Address	Duration (From....to...)	Registration Amount
Dr. K. Devi Priya	Five Day FDP on “Data Analytics & Mining with Python”	CMR Engineering College	Hyderabad	08-11-2021 to 12-11-2021	NIL
	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. D. Srinivasa Rao	40 – Hour FDP on “Artificial Intelligence Applications in Software Engineering”	Sponsored by Ministry of Electronics and Information Technology organized by E & ICT, NIT	Warangal	06-07-2021 to 14-07-2021	750/-
	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. A. Sree Rama Chandra Murthy	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. B. Siva Rama Krishna	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. A. Raja Gopal	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. G. Balu Narasimha Rao	Machine Learning using Python	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL
Mr. J. Nageswara Rao	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. L. V. Krishna Rao	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL

Name of the Faculty	Name of the FDP	Institute/Organization	Address	Duration (From....to...)	Registration Amount
Mr. S. Nagarjuna Reddy	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Ms. G. V. Rajya Lakshmi	40 – Hour FDP on “Artificial Intelligence Applications in Software Engineering”	Sponsored by Ministry of Electronics and Information Technology organized by E & ICT, NIT	Warangal	06-07-2021 to 14-07-2021	750/-
	Introduction to Research	NPTEL in association with IIT Madras	Madras	Aug – Oct 2021	
	ATAL Academy FDP on “Applications of Machine Learning”	Rajiv Gandhi University	New Delhi	13-09-2021 to 17-09-2021	NIL
Mr. K. Sundeep Saradhi	Five Day FDP on “Data Analytics & Mining with Python”	CMR Engineering College	Hyderabad	08-11-2021 to 12-11-2021	NIL
	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. A. Sudhakar	Machine Learning using Python	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL
Mr. T. Udaya Kumar	One Week National Level FDP on “Societal Applications of AI, Blockchain and IoT”	Shri Vishnu Engineering College for Women	Bhimavaram	01-09-2021 to 05-09-2021	NIL
	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. N. V. Naik	40 – Hour FDP on “Artificial Intelligence Applications in Software Engineering”	Sponsored by Ministry of Electronics and Information Technology organized by E & ICT, NIT	Warangal	06-07-2021 to 14-07-2021	750/-



Name of the Faculty	Name of the FDP	Institute/Organization	Address	Duration (From....to...)	Registration Amount
Mr. N. V. Naik	Five Day FDP on "Data Analytics & Mining with Python"	CMR Engineering College	Hyderabad	08-11-2021 to 12-11-2021	NIL
	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. N. Srinivasa Rao	Web development using Django	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL
	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. Sk. Johnny Basha	ATAL Sponsored One-Week FDP on "Data Science and its Applications"	LBRCE, Mylavaram	Mylavaram	06-10-2021 to 10-10-2021	NIL
	ATAL Sponsored One Week FDP on "Cyber Security"	LBRCE, Mylavaram	Mylavaram	08-11-2021 to 12-11-2021	NIL
Mr. P. Vamsi Naidu	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. S. Govindu	Five Day FDP on "Data Analytics & Mining with Python"	CMR Engineering College	Hyderabad	08-11-2021 to 12-11-2021	NIL
	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Mr. T. N. V. S. Praveen	Python Programming	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL
	ATAL FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL

Name of the Faculty	Name of the FDP	Institute/Organization	Address	Duration (From....to...)	Registration Amount
Ms. A. Praneetha	One – Week FDP on “Research Methodology & IPR”	VR Siddhartha Engineering College under AICTE Margadarshan	Vijayawada	13-09-2021 to 17-09-2021	NIL
Mr. S. Srinivasa Reddy	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
	ATAL Sponsored One-Week FDP on "Cyber Security"	LBRCE, Mylavaram	Mylavaram	08-11-2021 to 12-11-2021	NIL
Ms. B. Usha Rani	Accreditation and Outcome Based Learning	IIT Kharagpur in association with NPTEL	Kharagpur	Jul – Sep 2021	NIL
	Machine Learning using Python	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL
	Research Methodology & IPR	VR Siddhartha College of engineering under AICTE Margadarshan	Vijayawada	13-09-2021 to 17-09-2021	NIL
	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Ms. B. Swathi	Python Programming	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL
	40 – Hour FDP on “Artificial Intelligence Applications in Software Engineering”	Sponsored by Ministry of Electronics and Information Technology organized by E & ICT, NIT	Warangal	06-07-2021 to 14-07-2021	750/-
	Three – Day National Level FDP on “Cyber Security”	SR University	Warangal	01-07-2021 to 03-07-2021	NIL
Ms. P. Sarala	ATAL Academy FDP on Data Science & It’s Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL



Name of the Faculty	Name of the FDP	Institute/Organization	Address	Duration (From....to...)	Registration Amount
Mr. P. Jagadeeswara Rao	ATAL Academy FDP on "Data Science"	MCKV Institute of Engineering	New Delhi	20-09-2021 to 24-09-2021	NIL
Mr. O. Venkata Siva	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Ms. M. Swathi	Accreditation and Outcome Based Learning	IIT Kharagpur in association with NPTEL	Kharagpur	Jul – Sep 2021	NIL
	Python Programming	APSSDC	Vijayawada	16-08-2021 to 04-09-2021	NIL
	Five – Days international FDP on "Experimental Teaching – Corporate Cognizance"	Sri Rama Krishna College of Arts & Science in association with TCS	Coimbatore	09-08-2021 to 13-09-2021	NIL
	ATAL Sponsored One-Week FDP on "Cyber Security"	LBRCE, Mylavaram	Mylavaram	08-11-2021 to 12-11-2021	NIL
	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
Ms. T. Vineetha	ATAL Academy FDP on Data Science & It's Applications	LBRCE	Mylavaram	06-12-2021 to 10-12-2021	NIL
	Salesforce Administrator	APSSDC	Vijayawada	14-09-2021 to 17-09-2021	NIL

### NPTEL Faculty Certifications:

S.No	Name of the Faculty	Name of the Course	Grade	Toppers
1	Dr S Jayaprada	Cloud Computing	Elite	-
2	Dr S Jayaprada	Introduction to Internet of Things	Elite	-
3	Ms. M Sri Bala	Accreditation and Outcome Based Education	Elite	-
4	Ms. G.V Rajya Lakshmi	Introduction to Research	Elite	-

S.No	Name of the Faculty	Name of the Course	Grade	Toppers
5	Ms. A Praneetha	Accreditation and Outcome Based Education	Elite	-
6	Ms. B.Usharani	Accreditation and Outcome Based Education	Successfully Completed	-
7	Ms. B.Swathi	Accreditation and Outcome Based Education	Elite	-
8	Ms. B.Swathi	Introduction to Internet of Things	Elite	-
9	Ms. P.Sarala	Cloud Computing	Elite+Sliver	Topper 2%
10	Ms. M Swathi	Accreditation and Outcome Based Education	Successfully Completed	-

## 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
Ant Cat Swarm Optimization-Enabled Deep Recurrent Neural Network for Big Data Classification Based on Map Reduce Framework	Dr.M.Srinivasa Rao	CSE	The Computer Journal	2021-22	Vol.64, issue 10	<a href="https://doi.org/10.1093/comjnl/bxab135">https://doi.org/10.1093/comjnl/bxab135</a>
Quantum inspired meta-heuristic approach for optimization of genetic algorithm	Dr.O.RamaDevi	CSE	Computers & Electrical Engineering,	2021-22	0045-7906	<a href="https://www.sciencedirect.com/science/article/pii/S0045790621003268">https://www.sciencedirect.com/science/article/pii/S0045790621003268</a>
Verifiable Authentication and Issuance of Academic Certificates Using Permissioned Blockchain Network	Dr.M.Srinivasa Rao	CSE	International Journal of Information Security and Privacy(IJISP)	2021-22	Vol.16, Issue 1,2021. 1930-1650	<a href="https://www.igi-global.com/article/verifiable-authentication-and-issuance-of-academic-certificates-using-permissioned-blockchain-network/284052">https://www.igi-global.com/article/verifiable-authentication-and-issuance-of-academic-certificates-using-permissioned-blockchain-network/284052</a>
Effective way to Diagnosis Driver Drowsiness with the aid off Deep-Learning Neural Network (DNN)	Dr.D. Venkata Subbaiah	CSE	Design Engineering (Toronto)	2021-22	Issue.No ;2,2021.I SSN:011-9342.	<a href="https://thedesigengineering.com/index.php/DE/article/view">https://thedesigengineering.com/index.php/DE/article/view</a>



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
Detection and Analysis of Public Bullying on Social Network sites	N.Srinivasa Rao	CSE	Journal of the Maharaja Sayajirao University of Baroda	2021-22	Vol.55, issue 03, oct-2021, ISSN: 0025-0422	
An Overview of Software development life cycle process models -SDLC	M.Swathi	CSE	Journal of Education	2021-22	Vol.XX VII, Issue:8	
An Android based Mobile Spoken Dialog System for Telugu language to control Smart appliances	Dr.P.Bhagath	CSE	IEEE	2021-22	978-1-6654-1221-6	<a href="https://ieeexplore.ieee.org/document/9532783">https://ieeexplore.ieee.org/document/9532783</a>
A Novel Approach for Optical Character Recognition (OCR) of Handwritten Telugu Alphabets using Convolutional Neural Networks	Shaik Johny Basha, Dr. D. Veeraiah	CSE	2nd International Conference on Electronics and Sustainable Communication Systems	2021-22	978-1-6654-2867-5	<a href="https://ieeexplore.ieee.org/document/9532658">https://ieeexplore.ieee.org/document/9532658</a>
Machine Learning Based Student Academic Performance Prediction	Dr.S.Sitharam	CSE	Third International Conference on Inventive Research in Computing Applications	2021-22	978-1-6654-3877-3	<a href="https://ieeexplore.ieee.org/document/9544538">https://ieeexplore.ieee.org/document/9544538</a>
Machine Learning Techniques To Predict The Price Of Used Cars: Predictive Analytics in Retail Business	Dr.Ch.Venkat Narayana	CSE	2nd International Conference on Electronics and Sustainable 2021-22 Communication Systems	2021-22	978-1-6654-2867-5	<a href="https://ieeexplore.ieee.org/document/9532845">https://ieeexplore.ieee.org/document/9532845</a>
Breast Cancer Detection and Classification from Images Using Deep Learning	K.Sandeep Saradhi	CSE	ICIPCN 2021	2021-22	978-3-030-84759-3	<a href="https://link.springer.com/book/10.1007/978-3-030-84760-9">https://link.springer.com/book/10.1007/978-3-030-84760-9</a>

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
Fake Profile Detection using Multi – Machine Learning Techniques	V.Sivakrishna	CSE	SSRN	2021-22		<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3883484">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3883484</a>
Resume Screening Using Machine Learning	P.Vamsi Naidu	CSE	ICPCN 2021	2021-22	978-3-030-84760-9	<a href="https://link.springer.com/content/pdf/10.1007/978-3-030-84760-9_63.pdf">https://link.springer.com/content/pdf/10.1007/978-3-030-84760-9_63.pdf</a>
Extraction of Frequent Itemset Using Hybrid Algorithm for Large Transactional Data	D.Srinivasa Rao	CSE	ICICNIS-2021	2021-22		<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3882490">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3882490</a>
Automatic Music Genre Classification Based on Linguistic Frequencies Using Machine Learning	Dr.M.Srinivasa Rao	CSE	International Conference on Recent Advances in Mathematics and Informatics (ICRAMI)	2021-22	978-1-6654-4171-1	<a href="https://ieeexplore.ieee.org/document/9585937">https://ieeexplore.ieee.org/document/9585937</a>
A heuristic methodology for ECG heartbeat categorization using Convolutional Neural Networks	Dr.M.Srinivasa Rao	CSE	2nd International Conference on Smart Electronics and Communication(ICOSEC)	2021-22	978-1-6654-3368-6.	<a href="https://ieeexplore.ieee.org/document/9591755">https://ieeexplore.ieee.org/document/9591755</a>
Feature Selection using Pre-clustering via Affinity Propagation for Speech Classification in Low-resource Languages	Dr.P.Bhagath	CSE	International Conference on Artificial Intelligence in Engineering and Technology	2021-22	978-1-6654-2899-6	<a href="https://ieeexplore.ieee.org/abstract/document/9573696">https://ieeexplore.ieee.org/abstract/document/9573696</a>
Product Review Analysis	L.V.Krishna Rao	CSE	ICT Systems and Sustainability	2021-22	978-981-16-5987-4	- <a href="https://link.springer.com/chapter/10.1007/978-981-16-5987-4_67">https://link.springer.com/chapter/10.1007/978-981-16-5987-4_67</a>
Driver Drowsiness Detection Using Eye Aspect Ratio (EAR), Mouth Aspect Ratio (MAR), and Driver Distraction Using Head Pose Estimation	S.Govindu	CSE	ICT Systems and Sustainability	2021-22	978-981-16-5986-7	<a href="https://link.springer.com/chapter/10.1007/978-981-16-5987-4_63">https://link.springer.com/chapter/10.1007/978-981-16-5987-4_63</a>



**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
Dr. M. Srinivasa Rao	Problem Solving and Programming in Java	-	2021-22	978-620-3-58352-6	LBRCE	LAP LAMBERT Academic Publishing
Shaik Johny Basha	A Review on Challenges and Threats to Unmanned Aerial Vehicles(UAVs)	-	2021-22	978-1-119-76917-0	LBRCE	Wiley

**List of Patents**

Sl. No.	Title of Patent	Name of The Faculty	Patent Id
1	Neural Network for Real Time Speech Enhancement For Hearing Impaired	Dr. Manaswini Burra	202141053429
2	Method, System and Device for crop detection	Dr.S.Jayapradha Dr.Ch.V.Narayana	202141042413
3	A Decentralized privacy preserving Multi Instance Iris Authentication Device (Dpmiad)	J Nageswara Rao	202141019089

**Alumni Interactions:**

Name of the Alumni Visited	Date	Roll Number	Organization/Institute	Remarks
S Sai Jaswanth	23/11/2021	16761A0552	TCS Hyderabad	Placements Preparation & Career Guidance
A Vinay Kumar Reddy	23/11/2021	17765A0501	Mouritech Hyderabad	Carrer Guidance
P Sikanth	03/12/2021	11765A0507	Accenture	Software Working Environment
V Srija	09/12/2021	17761A0554	TCS Hyderabad	Carrer Guidance

**Students Participated in Technical Symposia:**

S.No	Name of technical symposia	Name of the Event	Roll Number	Name of the Student	Name of the Organization/Inst itute & Place	Date
1.	Online Quiz	National Level C Programming Quiz	20761A05C7	T.Murali Krishna	LBRCE	28-11-2021
2.	Online Quiz	National Level C Programming Quiz	20761A05B7	R.Supraja	LBRCE	28-11-2021

S.No	Name of technical symposia	Name of the Event	Roll Number	Name of the Student	Name of the Organization/Institute & Place	Date
3.	Online Quiz	National Level C Programming Quiz	20761A05B7	B.Sushma	LBRCE	28-11-2021
4.	LAKSHYA 21	Srujana	20765A0501	Naga Yasaswi	LBRCE	23-12-2021

### Students participated in workshops

S. No	Name of Workshop	Roll Number	Name of The Student	Name of The Organization/Institute & Place	Date
1.	C Programming	20765A0505	K.Karthik	Brainovision Solutions	27-07-2021 To 29-07-2021

### Students Participated in Conferences/Seminars /Webinars:

S.No	Name of Workshop	Roll Number	Name of The Student	Name of The Organization/Institute & Place	Date
1	Entrepreneurship and Start-up	19761A05H8	R.Naga Priyanaka	LBRCE	28-10-2021

### No.Of Students Got Prizes in Co-Curricular Activities:

Name of The Event	Name of The Activity	Roll Number	Name of The Student	Prize	Name of The Organization/Institute & Place	Date
LAKSHYA 21	SRUJANA	20765A0501	NAGA YASASWI	2	LBRCE	23-12-2021

### Students participated in Cultural activities/Competitions

Name of the Event	Roll Number	Name of the Student	Name of the Organization/Institute & Place	Date
Solo Dance	19761A0582	D. Krishna Kavya	LBRCE&MYLAVARAM	29/11/2021
Rubix Cube	19761A0582	D. Krishna Kavya	LBRCE&MYLAVARAM	29/11/2021
Rubix Cube	20761A05F8	Harshitha	LBRCE&MYLAVARAM	29/11/2021
Solo Dance	20761A05i0	S. Durga Bhavani	LBRCE&MYLAVARAM	29/11/2021
Sinigang	19761A05H8	R. Naga Priyanka	LBRCE&MYLAVARAM	29/11/2021
Painting	20761A05I9	V. Dharani	LBRCE&MYLAVARAM	29/11/2021
Painting	20761A05J2	Y. Harshitha Sampath	LBRCE&MYLAVARAM	29/11/2021
Skit -Nitin Group	20761A05H8	M. Sai Nitin	LBRCE&MYLAVARAM	29/11/2021
	19761A05H8	R. Naga Priyanka	LBRCE&MYLAVARAM	29/11/2021
	20761A05H2	N. Taraka	LBRCE&MYLAVARAM	29/11/2021
	20761A05I8	V. Akshay Kumar	LBRCE&MYLAVARAM	29/11/2021
	20761A05H6	R. Ashok	LBRCE&MYLAVARAM	29/11/2021
	20761A05G1	K. Vinay Kumar	LBRCE&MYLAVARAM	29/11/2021



Name of the Event	Roll Number	Name of the Student	Name of the Organization/Institute & Place	Date
Skit -Nitin Group	20761A05E8	D. Dhanush Kumar	LBRCE&MYLAVARAM	29/11/2021
	20761A05D4	B. Sai Krishna	LBRCE&MYLAVARAM	29/11/2021
	20761A05G3	M. Lalith	LBRCE&MYLAVARAM	29/11/2021
	20761A05I6	S. Siddhartha Sai Kumar	LBRCE&MYLAVARAM	29/11/2021
	20761A05G8	M, Durga Prasad	LBRCE&MYLAVARAM	29/11/2021
	20761A0583	G. Ravi Teja	LBRCE&MYLAVARAM	29/11/2021
	20761A05E3	Ch. Sri Lakshmi	LBRCE&MYLAVARAM	29/11/2021
	20761A05I7	T. Joshnavalli	LBRCE&MYLAVARAM	29/11/2021
	19761A05I0	S. Anil Reddy	LBRCE&MYLAVARAM	29/11/2021

### SAHELI- Girls Club

S.NO	Name of the Event	Resource person	Period/Date	No of participants	
				Faculty	Student
1	Debating program on "Gender Bias"	ICC-Saheli Co-Ordinator's and Executive members	24.11.2021 11:00AM to 12 PM	All Women Faculty	II-year girls
2	Awareness program on ICC-Saheli	ICC-Saheli Co-Ordinator's and Executive members	27.11.2021 1:10 to 4.00 PM	All Women Faculty	I-year girls



# Editorial Board



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*CSE III*



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*CSE IV*





# Acknowledgements

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**-The Editorial Team  
TECH-TALK**

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(AUTONOMOUS)**

Accredited by NAAC & NBA (Under Tier - D) and ISO 9001:2015 Certified Institution  
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# TECH-TALK

Biannual Magazine



**“ Education is a social process.  
Education is growth. Education is  
not a preparation for life; education  
is life itself ”**



COMPUTER SCIENCE  
ENGINEERING