KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.
काकतीय प्रैद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ तेलंगाना, भारत
కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము
(An Autonomous Institute under Kakatiya University, Warangal)
(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

DEPARTMENT OF INFORMATION TECHNOLOGY

Department of Information Technology

Presents...

A Technical Magazine

BITWISE

MAGAZINE

DEPARTMENT OF INFORMATION TECHNOLOGY

Issue 11, July 2022

Final Year passed out batch (2021-22) of B. Tech students Group Photo

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Warangal – 506 015, Telangana, INDIA. (An AUTONOMOUS INSTITUTE under Kakatiya University, Warangal)

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ – ౫౦౬ ౦౧౫.

Estd-1980

KITSW

Editorial Board

1. **Faculty**

S. No.	Responsibility	Name of the Faculty	Designation
1.	Chief Editor	Dr. T. Senthil Murugan	Associate Professor &Head
2.	Faculty Editor	Sri T. Mahesh Kumar	Assistant Professor

2. Students

S. No.	Name of the Student	Roll Number
1.	P. Sree Chandana	B18IT053
2.	K. Snehitha	B18IT008
3.	P. Sanith Kumar Reddy	B18IT002
4.	P. Sri Ramya	B18IT025

CONTENTS

S. No	Description	Page No.
1	Principal Message	1
2	Head of the Department Message	2
3	Department Profile	3
4	Vision & Mission of the Department	4
5	Programme Outcomes (POs)	5
6	PEO and PSO	6
7	Teaching faculty, Non-Teaching & Supporting Staff list	7
8	Research Publications of faculty	8
9	Faculty Interaction with Outside World	8
10	Faculty Awards	16
11	Events conducted by the Department	16
12	Students Placement details	17
13	Articles	19

Kakatiya Institute of Technology & Science, Warangal

(An Autonomous Institute under Kakatiya University, Warangal.)

DEPARTMENT OF INFORMATION TECHNOLOGY

Dr. K. Ashoka Reddy
Principal

Message

It gives me immense pleasure to pen a few words as prologue to our in-house Technical Magazine exclusively meant for churning out the latent writing talent which bears immense potentiality of sharpening communication skills as part of overall personality development. I congratulate the editorial board of the Technical Magazine for their untiring efforts in collecting and compiling the data without which it would have not been possible to place this magazine in your hands. I, on behalf of KITSW family, wish you all the best for achieving greater success and scaling new heights in the future.

Kakatiya Institute of Technology & Science, Warangal

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DEPARTMENT OF INFORMATION TECHNOLOGY

Dr. T. Senthil Murugan
Head of the Department

Message

It gives me an immense pleasure to present eleventh issue of BITWISE Magazine from Dept of IT. The past year was full of various activities by the students and faculty in academic, co curricular, extra-curricular as well as research & developments. We are proud of the accomplishments of our alumni for their achievements in academic, higher studies and placements in fastest-growing IT companies. Faculty members published research papers on complex issues in various fields of computer science and Information technology. It is our aim to educate and inform anyone who has an interest in latest technologies and upcoming research directions in the field of computers. Throughout the Magazine you will see articles on the varied aspects of technical as well as non-technical topics from students and faculty members.

We welcome your feedback and would like to hear what you think of the BITWISE Magazine.

Department Profile

The Department of Information Technology was established in the year 1999, Department offers a 4-year course of B.Tech. degree programme in the Information Technology, with an annual intake of 120 students. The intake was enhanced to 120 students in the 2020. The department is also offering M.Tech (Data Science) from the year 2020. The hallmark of IT Department is to develop technologically competent IT professionals in today's IT centered scenario. The strengths and facilities of the department are increasing year by year. Well qualified, experienced and committed faculty members are an asset to the Department. The Department has well equipped laboratories to cater the needs of the students. To expose the students to the current trends in the areas of Information Technology and allied ones, the Department conducts a National Level Students' Technical Symposium in every academic year and also the Department organizes several training programmes for both students and faculty members to get acquainted with the cutting-edge technologies emerging day-by-day. Students of IT Department have made remarkable achievements both in academics and sports as well. The Department has formal alliances with reputed IT-oriented organizations to facilitate student training, projects, internship and expert lectures.

VISION AND MISSION OF DEPARTMENT

VISION:

To become a Center of Excellence in the Information Technology discipline with effective teaching and strong research environment that makes our students globally competitive with strong ethical values and leadership abilities.

MISSION:

- To impart technical knowledge to the students to turn out proficient and well groomed engineers.
- Motivate students to improve skills by attending training programs and internships that leads to develop innovative projects in emerging technologies.
- To train our students for higher education, leadership in profession and adopt quality research.

Programme Outcomes (POs):

Engineering Graduates will be able to:

PO1	**Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	**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.
PO3	**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
PO4	**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.
PO5	**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
PO6	**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.
PO7	**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.
PO8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	**Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	**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.
PO11	**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
PO12	**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.

Kakatiya Institute of Technology & Science, Warangal

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DEPARTMENT OF INFORMATION TECHNOLOGY

Programme Educational Objectives of the Course:

- To provide students with a sound foundation in Information Technology theory and practices to analyze, formulate and solve engineering problems.
- To develop an ability to design algorithms, implement programs and deploy software.
- To develop Information Technology solutions with the changing needs of the society for the career-related activities.

Programme Specific Outcomes of the Course:

- Apply analytical and experimental problem-solving skills in the Information Technology discipline
- Use fundamental knowledge to investigate new and emerging technologies leading to innovations in the field of Information Technology.
- Begin immediate professional practice as an Information Technology Engineer.

Kakatiya Institute of Technology & Science, Warangal-15

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DEPARTMENT OF INFORMATION TECHNOLOGY

Teaching Faculty, Non-Teaching & Support Staff

TEACHING FACULTY

S. No.	Name of the Faculty	Qualification (specialization)	Designation
1	Dr. P. Kamakshi	Ph.D. (CSE)	Professor
2	G. K. Shailaja	M.Tech. (Ph.D.)	Associate Professor
3	Dr. T. Senthil Murugan	Ph.D. (CSE)	Associate Professor & Head
4	Dr. B. Kiran Kumar	Ph.D. (CSE)	Associate Professor
5	A. Bhaskar	M.Tech. (Ph.D.)	Associate Professor
6	Dr. Y. Bhavani	Ph.D. (CSE)	Associate Professor
7	P. Sudarshan Ray	M.Tech. (Ph.D.)	Assistant Professor
8	S. B. Swathi	M.Tech. (Ph.D.)	Assistant Professor
9	M. Kishore	M.Tech. (Ph.D.)	Assistant Professor
10	R. Gautam	M.Tech. (Ph.D.)	Assistant Professor
11	Dr. K. Praveen Kumar	Ph.D. (CSE)	Assistant Professor
12	Dr. K. Deepika	Ph.D. (CSE)	Assistant Professor
13	T. Mahesh Kumar	M.Tech. (Ph.D.)	Assistant Professor
14	K. Goutham Raju	M.Tech. (Ph.D.)	Assistant Professor
15	V. Harika	M.Tech. (Ph.D.)	Assistant Professor
16	S. Sangeetha	M.Tech.	Assistant Professor
17	Sobiya Sabahat	M.Tech.	Assistant Professor
18	P. Sree Lakshmi	M.Tech. (Ph.D.)	Assistant Professor
19	N. Rajender	M.Tech. (Ph.D.)	Assistant Professor
20	G. Vijaya Lakshmi	M.Tech.	Assistant Professor
21	N. Srinivas	M.Tech.	Assistant Professor

NON-TEACHING & SUPPORT STAFF

S. No.	Name of the staff	Qualification	Designation
1.	M. Srilatha Devi	MCA	Programmer
2.	Ch. Devender	MCA	Programmer
3.	A. Devendra Prasad	MCA	Programmer
4.	P. Sathish	B. Com	Data Entry Operator
5.	A. Mahendar	ITI	Attender

Research Publications of faculty:

Research Publications during 2021-22:

(a) Total no. of research presentations by faculty of the dept. in conference proceedings:

(i) National: 0

(ii) International: 14

(b) Total no. of research publications by faculty of the dept. in Refereed Journals:

(i) National: 0

(ii) International: 4

S.No	Title of paper	Name of the author/s	Name of journal
1	Cluster Based Malicious Node Detection System for Mobile Ad-Hoc Network Using ANFIS Classifier	Deepika Kongara	Journal of Applied Security Research. By Taylor and Francis group, Nov-21, 1936-1610
2	Applications of machine learning and auxiliary tumour treatment in the process of medical resource allocation,	G. Vijayalaxmi	International Journal of Mechanical Engineering, Feb-22, Vol. 7 No. 2 Feb, 2022. 0974-5823
3	Analysis of performance of accuracy by adding new features individually using Relief-F and Budget Tree Random Forest (RFBTRF) method	K. Deepika	International Journal of Nonlinear Analysis and Applications 13 (2022) No. 1, 1239–1252, Oct-21, ISSN: 2008-6822 (electronic)
4	Improving IOT routing performance in multi region Geocasting	Ms. Sree Lakshmi Potlapally	Elsevier, May-22, Volume 211

Faculty Interaction with Outside World:

S.No	Name of the Faculty	Details of conference where papers were presented	Venue	Dates of the conference	Title of the paper presented, including page numbers
1	S. B. Swathi	Fourth International Conference on Smart Systems and Inventive Technology (ICSSIT-2022)	Tirunelveli, India	20-22 January 2022	Sentiment Analysis on IMDB movie Reviews using Machine Learning and Deep Learning Algorithms
2	Dr. Y. Bhavani	International conference on Artificial Intelligence and Smart System(ICAIS-2022)	Coimbatore, India	23-25, February 2022	A survey on various speech Emotion Recognition Techniques 23-25, February 2022
3	A. Bhaskar	Fourth International Conference on Smart Systems and Inventive Technology (ICSSIT-2022)	Tirunelveli, India	20-22 January 2022	Image Enhancement and classification of CIFAR-10 Using convolution Neural Network
4	Dr. K. Praveen Kumar	International conference on Advanced computing and communication systems (ICACCS)	Coimbatore, India	25-26 March 2022	An IoT-based optimization Scheme on task scheduling for minimizing energy in cloud computing
5	Dr. K. Praveen Kumar	International conference on Electronics, and Renewable Systems (ICEARS-2022)	Tuticorin, India	16-18 March 2022	A Design of Disease Diagnosis based Smart Healthcare Model using Deep Learning Technique

6	Dr. K. Deepika	International conference on Electronics, and Renewable Systems (ICEARS-2022)	Warangal, India.	20-21 May, 2022	Prediction of Hypothyroid Disease Using Ensemble Machine Learning Model" AICTE Sponsored International Conference on "Energy Sustainability
7	S.B. Swathi	International conference on Electronics, and Renewable Systems (ICEARS-2022)	Warangal, India.	20-21 May, 2022	Heart Disease Prediction Using Machine Learning Based Decision Tree Techniques
8	S.B. Swathi	International conference on Electronics, and Renewable Systems (ICEARS-2022)	Warangal, India.	20-21 May, 2022	Analysis of Heart Disease Prediction using Deep Learning and Machine Learning Techniques: A Survey
9	S.B. Swathi	International conference on Electronics, and Renewable Systems (ICEARS-2022)	Warangal, India.	20-21 May, 2022	Comparative Study on Methods to decode the Encrypted Data
10	K. Goutham Raju	International Conference on Research in Sciences, Engineering & Technology	Chennai, india.	24 May 2022	Excution Assesment of Instinctive XML Records and XML Empowered Records
11	K. Goutham Raju	International Conference on Research in Sciences, Engineering & Technology	Chennai, India	24 May 2022	A study of forensic techniques used for bot nets in IoT

12	A.Bhaskar	International conference on computing and communications (IC3-2022)	Odisha, India.	3- 4 June, 2022	Brain Tumour Detection Using Deep Convolution Neural Networks
13	K. Goutham Raju	International Conference on Advanced Computing and Communication Systems (ICACCS)	Coimbatore, India	25-26 March 2022	An IoT-based Optimization scheme on task scheduling for minimizing energy in Cloud Computing
14	A.Bhaskar	international conference on Advances in Communication Network and Computing (CNC-2022)	Bengaluru, India.	28- 29 July, 2022	Mobile Health App – A tool for Health Services

Details of STTPs/ FDPs/ Workshops attended by the faculty during 2021-22, conducted outside the Institute

S.No	Name of the Faculty	STTP/FDP/ workshop # /others	Details@	Duration & Dates
1	Dr. P Kamakshi	FDP	Machine Learning on Cloud from	19-07-2021 to 24-07-2021
2	Dr. P Kamakshi	FDP	Two-day Awareness Workshop on Improving Research & Performance Outcomes", Elsevier's Zoom Webinar,	31st August, 2021
3.	Dr. T. Senthil Murugan	FDP	Attended CII Education conference on "Innovation in Learning",	29-30 June 2021
4	Dr. T. Senthil Murugan	FDP	1 week online FDP, Online Elementary FDP on Cyber Security and Incident Analysis: A Practical and Investigative approach	from 19-07-2021 to 23-07-2021
5	Dr. T. Senthil	FDP	1week Online Elementary FDP on "Blockchain	from 06-09-2021 to 10-09-2021,

	Murugan		Technology & Its Applications" AICTE Training And Learning (ATAL) Academy	
6	Dr. T. Senthil Murugan	FDP	1 Week Online Elementary FDP on "Development and applications of Sensors in Modern life" AICTE Training and Learning (ATAL) Academy	from 25-10-2021 to 29-10-2021,
7	Dr. T. Senthil Murugan	FDP	1 Week Online Advanced FDP on "Internet of Things and Human-Computer Interaction" AICTE Training and Learning (ATAL) Academy	from 08-11-2021 to 12-11-2021,
8	Dr. T. Senthil Murugan	FDP	AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Computer Networks",	from 20-01-2022 to 09-05-2022
9	Dr. T. Senthil Murugan	FDP	UGC - SPONSORED Refresher Course Two Week Online Refresher Course "ARTIFICIAL INTELLIGENCE" held and successfully completed with A+ Grade.	from 23/05/2022 to 04/06/2022
10	Dr. B. Kiran Kumar	FDP	Attended CII Education conference on "Innovation in Learning", organized by Confederation of Indian Industry(AICTE Recommended) – [Proof not submitted]	during 29-30 June 2021
11	Dr. B. Kiran Kumar	FDP	2 week FDP on Data Science using Python,	19-07-2021 to 30-07-2021
12	Dr. B. Kiran Kumar	FDP	AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Machine Learning",	from 20-01-2022 to 09-05-2022
13	Sri A. Bhaskar	FDP	2 Weeks Instructor Led Live Online Faculty Development Program on "Artificial Intelligence & Machine Learning Using Python"	during 31st May - 11th June 2021
14	Sri A. Bhaskar	FDP	Attended CII Education	during 29-30 June 2021

			conference on "Innovation in Learning",	
15	Sri A. Bhaskar	FDP	AICTE-NPTEL 12 Weeks FDP on "Problem Solving through Programming in C" and stood in top 5% toppers, achieved Ellite+Silver certification.	from 24-01-2022 to 15-04-2022
16	Sri A. Bhaskar	FDP	Completed Wipro "Advanced Technology Certified Faculty [ATCF] projet challenge on BigData"	during Jan-March, 2022
17	Sri A. Bhaskar	FDP	Participated in One day National Workshop on "Accelerating research & career Momentum through IEEE e-resources",	on 9th May, 2022.
18	Sri A. Bhaskar	FDP	Attended 2 weeks Wipro Certification Program on "Java Full Stack Development Top up "	from 13th June, 2022 to 24th June, 2022
19	Dr. Y. Bhavani	FDP	2 Weeks Instructor Led Live Online Faculty Development Program on "Artificial Intelligence & Machine Learning Using Python"	held during 31st May - 11th June 2021
20	Dr. Y. Bhavani	FDP	Attended CII Education conference on "Innovation in Learning", organized by Confederation of Indian Industry	during 29-30 June 2021
21	Dr. Y. Bhavani	FDP	Participated in IP Awareness/Training program under National Intellectual Property Awareness mission	on February 03, 2022
22	Dr. Y. Bhavani	FDP	AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Data Structures"	from 20-01-2022 to 09-05-2022

23	Smt. S.B.Swathi	FDP	Weeks Instructor Led Live Online FDP on "Data Science Using Python"	19-07-2021 to 30-07-2021,
24	Sri. M. Kishore	FDP	Attended CII Education conference on "Innovation in Learning", organized by Confederation of Indian Industry	during 29-30 June 2021
25	Sri. M. Kishore	FDP	Workshop on Faculty Development Program on "Machine Learning on Cloud"	from 19 -07-2021 to 24-07-2021
26	Sri. M. Kishore	FDP	1 week Online Elementary FDP on "How to Exploit (Secure) Web Applications"	26-07-2021 to 30-07-2021,
27	Sri. M. Kishore	FDP	One week online Elementary FDP on "Blockchain Technology and Cryptocurrency",	from 23-08-2021 to 27-08-2021
28	Sri. M. Kishore	FDP	AICTE-ISTE Approved orientation /Refresher Programme on "Embedded System, IOT Pervasive Computer"	held during 06-12-2021 to 11-12-2021
29	Sri. M. Kishore	FDP	2. ATAL Academy Online Elementary FDP on "Data Sciences"	from 27/12/2021 to 31/12/2021
30	Sri. M. Kishore	FDP	AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Introduction to Programming",	from 20-01-2022 to 09-05-2022
31	Sri. R. Gautam	FDP	Attended CII Education conference on "Innovation in Learning", organized by Confederation of Indian Industry	during 29-30 June 2021
32	Sri. R. Gautam	FDP	R.Gautam, 30 Hours FDP on Applied Machine learning, AI and Its Applications using Python,	03-07-2021 to 15-07-2021
33	Sri. R. Gautam	FDP	R.Gautam, 30 Hours FDP on Deep Learning and Computer Vision in Image and Video Analysis,	12-07-2021 to 27-07-2021
34	Sri. Mahesh Kumar Thota	FDP	1 week Online Elementary FDP on "IoT	from 13-09-2021 to 17-09-2021

			with Smart City"	
35	Sri. Mahesh Kumar Thota	FDP	AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Data Structures",	from 20-01-2022 to 09-05-2022
36	Dr. K. Praveen Kumar	FDP	1 Week Instructor Led Live Online Training On "Internet of Things Using Raspberry Pi"	held during 18-10-2021 to 22-10-2021,
37	Dr. K. Praveen Kumar	FDP	1.5 Week NPTEL FDP, "Introduction to Internet of Things"	(July – October 2021).
38	Sri. K. GouthamRaju	FDP	Attended CII Education conference on "Innovation in Learning",	during 29-30 June 2021
39	Dr.K.Deepika	FDP	AICTE ATAL Academy online Elementary FDP on "Industrial Internet of things (IIOT) and Transition to internet of Brains (IOB)"	from 20/09/2021 to 24/09/2021
40	Dr.K.Deepika	FDP	AICTE ATAL Academy online Elementary FDP on "Data science: Tools and Techniques"	from 29/11/2021 to 03/12/2022
41	Dr.K.Deepika	FDP	AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Machine Learning"	from 20-01-2022 to 09-05-2022
42	SangeethaSingarapu	FDP	AICTE ATAL Academy online Elementary FDP on " Internet of Things(IOT)-A practical Approach"	from 6/12/2021 to 10/12/2021
43	SangeethaSingarapu	FDP	AICTE-NPTEL 12 Weeks FDP on "Joy of Computing using Python"	from 24-01-2022 to 15-4-2022.
44	Smt. SobiyaSabahat	FDP	Workshop "Embedded Systems - An Application Driven Approach"	" 25-08-2021 to 27-08-2021
45	Ms. PotlapallySree Lakshmi	FDP	3 days workshop "Embedded Systems - An Application Driven Approach",	from 25-08-2021 to 27-08-2021,
46	Ms. PotlapallySree Lakshmi	FDP	AICTE-NPTEL 12 Weeks FDP on "Joy of Computing using Python"	from 24-01-2022 to 15-4-2022.
47	Sri. N. Rajender	FDP	Online Advanced FDP on "Fog and Edge Computing Challenges	from 26-10-2021 to 30-10-2021,

			and Research Directions"	
48	Smt. VijayalaxmiGopu	FDP	1 week STTP on "Technology Enabled Learning",	20-09-2021 to 24-09-2021,
49	Smt. VijayalaxmiGopu	FDP	1week STTP on "Artificial Intelligence",	from 04-10-2021 to 08-10-2021
50	Smt. VijayalaxmiGopu	FDP	1 week STTP on "Mobile and Wireless Networks"	from 25-10-2021 to 29-10-2021,
51	Smt. VijayalaxmiGopu	FDP	1 week STTP on "Introduction to Data security"	from 08-11-2021 to 12-11-2021
52	Smt. VijayalaxmiGopu	FDP	1 week STTP on "Advance Programming in C",	", from 15-11-2021 to 19-11-2021
53	Smt. VijayalaxmiGopu	FDP	1 week STTP on "Fundamentals of Image Processing",	from 22-11-2021 to 26-11-2021,
54	Smt. VijayalaxmiGopu	FDP	Participated in IP Awareness/Training program under National Intellectual Property Awareness mission	on February 03, 2022
55	Smt. VijayalaxmiGopu	FDP	Short Term Training programme through ICT Mode on Digital Tools for faculty and Staff	, from 2nd feb to 4th feb, 2022.-3 days.
56	Smt. Vijayalaxmi Gopu	FDP	Short Term Training Programme through ICT Mode on Word Processing with LATEX	from 13th Dec. to 17th Dec., 2021.
57	N.Srinivas	FDP	AICTE ATAL Academy online Elementary FDP on " Introduction to speech processing and its Applications using AI-ML(ISPA)"	from 25/10/2021 to 29/10/2021
58	N.Srinivas	FDP	AICTE-NPTEL 12 Weeks FDP on "Problem Solving Through Programming in C"	from 24-01-2022 to 15-4-2022.

Awards received by the faculty/staff:

Faculty Name	**Award**
Dr. K. Deepika	Award of Excellence in Research, National Faculty Award 2021-2022 Novel Research Academy, Puducherry, India UDYAM REGD.NO.:PY-03-0003542 (A Registered Enterprise under the Govt. of India) Ref: NRA/AER/0112187/2021—2022. January 2022

Events Conducted By Department:

(a) Expert lectures arranged during 2021-22:

S. No.	Date	Topic	Delivered by	Attended by
1	20.11.2021	DevOps in IT Companies	Mr. Vikranth Sunkarapally, Advisor-Azure DevOps, Dell Technologies, Hyderabad.	145 Students
2	09.09.2021	Understanding Machine Learning	Mr. K. Saketh Reddy, Chief Technical Officer, Codegnan IT Solutions Pvt. Ltd.	116 students

Students Placements:

S. No	Name of the Student	Roll Number	Name the companies placed
1	Shravya Tangalla	B18IT001	Accenture
2	Pidugu Sanith Kumar	B18IT002	Accenture
3	K Manoj Kumar	B18IT003	DXC Technology India Private Limited
4	Madugula Akshith Reddy	B18IT004	Spring ML
5	Jonnala Sahithi	B18IT005	Cognizant Technology Solutions India Private Limited
6	Pallepati Sai Krishna	B18IT007	Cognizant Technology Solutions India Private Limited
7	Kurupath Snehitha	B18IT008	DBS
8	Chanda Sai Mani Raj	B18IT010	Spring ML
9	Panjala Shivani	B18IT011	DXC Technology India Private Limited
10	Harsha Nandan Ambhatipally	B18IT013	DXC Technology India Private Limited
11	Challa Nivitha	B18IT014	Accenture
12	Brahma Devara Sai Sujith	B18IT015	TCS
13	Pulluru Sahaja	B18IT016	Chubb Business Services India (CBSI)
14	Goli Sai Pranav	B18IT017	Cognizant Technology Solutions India Private Limited
15	Ragilla Sowmya	B18IT018	Hexaware
16	Pothula Meghana Reddy	B18IT019	Wipro
17	Rangaraju Harshitha	B18IT020	Accenture
18	Velpula Reethika	B18IT021	Dextara Digital
19	Thikka Snehith	B18IT022	TCS
20	Remdala Neena	B18IT023	Mu Sigma Business Solutions Private Limited
21	Bathini Akhil	B18IT024	CGI
22	Peddapally Sri Ramya	B18IT025	Spring ML
23	Yesireddy Sindhu Sai	B18IT027	Cognizant Technology Solutions India Private Limited

24	Pashikanti Pranathi	B18IT028	DXC Technology India Private Limited
25	Konda Hemanth Kumar	B18IT029	TCS
26	Elishala Kavya Sri	B18IT030	Accenture
27	More Rakesh	B18IT031	TA Digital (TechAspect Solutions Pvt. Ltd.) – TASK
28	Karre Soumya	B18IT032	DXC Technology India Private Limited
29	Byreddy Aslesha Reddy	B18IT033	Accenture
30	Kodam Sathwika	B18IT034	Cognizant Technology Solutions India Private Limited
31	Nalla Rajesh	B18IT035	Tech Mahindra
32	Gande Ruchitha	B18IT036	Accenture
33	M Harish Kumar	B18IT038	ValueLabs
34	Konda Dharmateja	B18IT039	Accenture
35	Kadari Deekshitha	B18IT040	Cognizant Technology Solutions India Private Limited
36	Neha Naaz	B18IT042	Cognizant Technology Solutions India Private Limited
37	Nithin Gunda	B18IT043	Cognizant Technology Solutions India Private Limited
38	Akkaladevi Samskruthi	B18IT044	TA Digital (TechAspect Solutions Pvt. Ltd.) – TASK
39	Chepuri Spandana	B18IT049	Netcracker
40	Ahlad Dendukuri	B18IT050	Smart MS Pvt. Ltd
41	Thalagampa Kavya Sri	B18IT051	Cognizant Technology Solutions India Private Limited
42	Thadem Venkatesh	B18IT052	DXC Technology India Private Limited
43	Poosa Sree Chandana	B18IT053	Accenture
44	Safoora Afzal	B18IT054	Cognizant Technology Solutions India Private Limited
45	Puli Srivani	B18IT056	Cognizant Technology Solutions India Private Limited
46	Kummari Vijay	B18IT058	Cognizant Technology Solutions India Private Limited
47	Dharneni Ragini	B18IT060	Accenture
48	Damsani Laxman	B19IT061L	Mphasis Limited
49	Amirishetti Vinay	B19IT063L	Cognizant Technology Solutions India Private Limited
50	Nanna Sindhu	B19IT064L	Cognizant Technology Solutions India Private Limited

ARTICLE

SMART CITIES

"The Future of Urban Living: Smart Cities" - This article explores the concept of smart cities and how technology is reshaping urban environments. It discusses various aspects such as smart infrastructure, IoT (Internet of Things) integration, data analytics for city management, and citizen engagement. It delves into real-world examples of smart city initiatives around the globe and their potential impact on urban life.

"Building Sustainable Smart Cities: Challenges and Opportunities" - Focusing on sustainability, this article examines the challenges and opportunities in developing smart cities. It discusses how smart technologies can be leveraged to address environmental concerns, enhance energy efficiency, and promote eco-friendly transportation solutions. The article also highlights the importance of collaboration between government, industry, and citizens to build sustainable urban environments.

"Cybersecurity in Smart Cities: Safeguarding Urban Infrastructure" - Addressing a critical aspect of smart city development, this article discusses cybersecurity challenges and strategies. It explores the vulnerabilities associated with interconnected urban infrastructure and the potential risks of cyberattacks. The article emphasizes the need for robust cybersecurity measures to protect smart city systems and safeguard sensitive data, while also ensuring the privacy and security of citizens.

"The Role of Artificial Intelligence in Smart Cities" - Focusing on AI technologies, this article explores their role in optimizing various aspects of urban life. It discusses how AI-powered systems can improve traffic management, enhance public safety, optimize energy consumption, and streamline city services. The article also addresses ethical considerations related to AI deployment in smart cities, such as data privacy and algorithmic bias, and emphasizes the importance of responsible AI governance.

"Citizen-Centric Smart Cities: Empowering Communities" - Highlighting the importance of citizen engagement, this article discusses the concept of citizen-centric smart cities. It explores strategies for involving residents in the planning and decision-making processes, leveraging technology to enhance civic participation and empower communities. The article showcases examples of initiatives that prioritize citizen input and collaboration, ultimately aiming to create more inclusive and livable urban environments.

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