DEPARTMENT OF INFORMATION TECHNOLOGY PRESENTS

INNOVATA

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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 EDUCATIONAL OBJECTIVES (PEOs)

* 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 OUTCOMES (POs)

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 modelling 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.

CHIEF EDITOR MESSAGE

Dr. K.Ashoka Reddy, Principal

It gives me immense pleasure to pen a few words as prologue to our in-house Newsletter 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 newsletter for their untiring efforts in collecting and compiling the data without which it would have not been possible to place this newsletter 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.

EDITOR MESSAGE

My hearty congratulations and best wishes to one and all. I would like to welcome you all, to the Twenty Second edition of newsletter from Department of Information Technology. It is our aim to communicate with all our stakeholders about the activities going on in the Department. Throughout the newsletter you will see various activities in the department, student and faculty achievements during this semester. We welcome your feedback and would like to hear what you think of this newsletter.

Dr. T. Senthil Murugan
Assoc. Professor & HOD

PLACEMENTS

Following is the list of placed students who have received offer letters from the companies.

S. No	Roll No.	Name of the Student	Selected for company
1	B18IT001	SHRAVYA TANGALLA	Accenture
2	B18IT004	MADUGULA AKSHITH REDDY	Spring ML
3	B18IT005	JONNALA SAHITHI	Cognizant
4	B18IT007	PALLEPATI SAI KRISHNA	Cognizant
5	B18IT010	CHANDA SAI MANI RAJ	Spring ML
6	B18IT015	BRAHMA DEAVARA SAI SUJITH	TCS
7	B18IT017	GOLI SAI PRANAV	Cognizant
8	B18IT018	RAGILLA SOWMYA	Hexaware
9	B18IT019	POTHULA MEGHANA REDDY	Wipro
10	B18IT020	RANGARAJU HARSHITHA	Accenture
11	B18IT022	THIKKA SNEHITH	TCS
12	B18IT023	REMDALA NEENA	Mu Sigma
13	B18IT024	BATHINI AKHIL	CGI
14	B18IT027	YESIREDDY SINDHU SAI	Cognizant
15	B18IT029	KONDA HEMANTH KUMAR	TCS
16	B18IT031	MORE RAKESH	TA Digital
17	B18IT034	KODAM SATHWIKA	Cognizant
18	B18IT035	NALLA RAJESH	Tech Mahindra
19	B18IT036	GANDE RUCHITHA	Accenture
20	B18IT040	KADARI DEEKSHITHA	Cognizant
21	B18IT042	NEHA NAAZ	Cognizant
22	B18IT043	NITHIN GUNDA	Cognizant
23	B18IT049	CHEPURI SPANDANA	Netcracker
24	B18IT050	AHLAD DENDUKURI	Smart MS Pvt. Ltd
25	B18IT051	THALAGAMPA KAVYA SRI	Cognizant
26	B18IT054	SAFOORA AFZAL	Cognizant
27	B18IT056	PULI SRIVANI	Cognizant
28	B18IT058	KUMMARI VIJAY	Cognizant
29	B18IT060	DHARNENI RAGINI	Accenture
30	B19IT061L	DAMSANI LAXMAN	Mphasis Limited
31	B19IT063L	AMIRISHETTI VINAY	Cognizant
32	B19IT064L	NANNA SINDHU	Cognizant

STUDENT ACHIEVEMENTS

S.No	Roll No.	Name	Achievement		
1	B19IT014	Vyshnavi Malluru	Received Scholarship of **Rs.1 Lakh under University Research & Alliances of Microm(URAM) program**		

S.No	Roll No	Name of the Student	Name of the event	Name of the Institute	Participation/ Prizes	Date
1	B19IT007	PURANAM YUVARAJ	**AR-VR Game Development Hackathon**	IIT Roorkee	Participation	13.02.2022
2	B19IT007	PURANAM YUVARAJ	AADHAAR Hackathon	UDAI Tech Center, Banglore	Participation	25.11.2021
3	B19IT034	VANNALA RACHANA	AADHAAR Hackathon	UDAI Tech Center, Banglore	Participation	25.11.2021

FACULTY TRAINING ACTIVITIES

Dr.T.Senthil Murugan:
1. UGC - SPONSORED Refresher Course Two Week Online Refresher Course "ARTIFICIAL INTELLIGENCE" held from 23/05/2022 to 04/06/2022 and successfully Completed with A+ Grade.
2. AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Computer Networks", from 20-01-2022 to 09-05-2022, Organized by IIIT Delhi.

Dr.B.Kiran Kumar:
1. AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Machine Learning", from 20-01-2022 to 09-05-2022, Organized by IIIT Delhi.

Dr.Y.Bhavani:
1. Participated in IP Awareness/Training program under National Intellectual Property Awareness mission on February 03, 2022, organized by Intellectual Property Office, India.
2. AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Data Structures", from 20-01-2022 to 09-05-2022, Organized by IIIT Delhi.

A.Bhaskar:
1. Completed Wipro "Advanced Technology Certified Faculty [ATCF] projet challenge on BigData" during Jan-March, 2022.
2. AICTE-NPTEL 12 Weeks FDP on "Problem Solving through Programming in C" from 24.01.2022 to 15-4-2022 and stood in top 5% toppers, achieved Ellite+Silver certification.
3. Participated in One day National Workshop on "Accelerating research & career Momentum through IEEE e-resources", organized by KITSW in association with IEEE on 9th May, 2022.
4. Attended 2 weeks Wipro Certification Program on "Java Full Stack Development Top up "from 13th June, 2022 to 24th June, 2022.

M.Kishore:
1. AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Introduction to Programming", from 20-01-2022 to 09-05-2022, Organized by IIIT Delhi.

Dr. K. Deepika:
1. AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Machine Learning", from 20-01-2022 to 09-05-2022 Organized by IIIT Delhi.

Sri. Mahesh Kumar Thota:
1. AICTE-ACM Indian Council 16 weeks FDP on "CSEDU- Effective Teaching of Data Structures", from 20-01-2022 to 09-05-2022 Organized by IIIT Delhi.

Ms. Sangeetha Singarapu:
1. AICTE-NPTEL 12 Weeks FDP on "Joy of Computing using Python" from 24-01-2022 to 15-4-2022.

Ms. Potlapally Sree Lakshmi:
1. AICTE-NPTEL 12 Weeks FDP on "Joy of Computing using Python" from 24-01-2022 to 15-4-2022.

Smt. Vijayalaxmi Gopu:
1. Participated in IP Awareness/Training program under National Intellectual Property Awareness mission on February 03, 2022, organized by Intellectual Property Office, India.
2. Short Term Training programme through ICT Mode on Digital Tools for faculty and Staff organized by National Institute of Technical Teacher's Training and Research (NITTTR) kolkata, from 2nd feb to 4th feb, 2022.-3 days.

Sri. N. Srinivas:
1. AICTE-NPTEL 12 Weeks FDP on "Problem Solving Through Programming in C" from 24-01-2022 to 15-4-2022.

FACULTY RESEARCH

Dr.P.Kamkshi
Journal:(*UGC Listed and SCOPUS Indexed*)
1. **Dr.P.Kamakshi, Dr.Y.Bhavani, Bhaskar A, Dr.B.Kiran Kumar, T.Mahesh Kumar,** "Verification and modelling of IoT time Automata for Gateway Security System". Application of Soft Computing.31 March 2022. https://doi.org/10.1007/s00500-022-06897-0

Smt. S.B.Swathi
Conference(InterNational)
1. **K.Amulya, S.B.Swathi, Dr.P.Kamakshi, Dr.Y.Bhavani "Sentiment Analysis on IMDB movie Reviews using Machine Learning and Deep Learning Algorithms"**Proceedings of the Fourth International Conference on Smart Systems and Inventive Technology (ICSSIT-2022) on 20-22 January2022 .DVD Part Number: CFP22P17-DVD; ISBN: 978-1-6654-0117-3.
2. **Dr.Y.Bhavani,S.B.Swathi, RutvikReddy,Mytri Reddy,**" A survey on various speech Emotion Recognition Techniques" International conference on Artificial Intelligence and Smart System(ICAIS-2022 ON 23-25,February 2022.
3. **S.B. Swathi, Poosa Sree Chandana** "Heart Disease Prediction Using Machine Learning Based Decision Tree Techniques" AICTE Sponsored International Conference on "Energy Sustainability" (AICTE-ES-2022), 20-21 May, 2022, ISBN: 978-93-94103-03-0.
4. S.B. Swathi, Yuvaraj Puranam, Rachana Vannala, Divya Siripu "Analysis of Heart Disease Prediction using Deep Learning and Machine Learning Techniques: A Survey" AICTE Sponsored International Conference on "Energy Sustainability" (AICTE-ES-2022), 20-21 May, 2022, ISBN: 978-93-94103-03-0.
5. **S.B. Swathi, Rachana Vannala, Yuvaraj Puranam** "Comparative Study on Methods to decode the Encrypted Data" AICTE Sponsored International Conference on "Energy Sustainability" (AICTE-ES-2022), 20-21 May, 2022, ISBN: 978-93-94103-03-0.

FACULTY RESEARCH CONTD..

Sri.A.Bhaskar
Conference(InterNational)

1. **S.DivyaA.Bhasker,Dr.P.Kamakshi "**Image Enhancement and classification of CIFAR-10 Using convolution Neural Network**"** .At the Fourth International Conference on Smart Systems and Inventive Technology (ICSSIT-2022). On 20-22 January2022.

Dr. K. Deepika
Journal:(*UGC Listed and SCOPUS Indexed***)**

1. Analysis of performance of accuracy by adding new features individually using Relief-F and Budget Tree Random Forest (RFBTRF) method. K.Deepika, M. Sowjanya Reddy, N. Rajesh Pandian, R. Dinesh Kumar. International Journal of Nonlinear Analysis and Applications 13 (2022) No. 1, 1239–1252 ISSN: 2008-6822 (electronic) http://dx.doi.org/10.22075/ijnaa.2021.24724.2808 [Free Scopus Journal].

2. Cluster Based Malicious Node Detection System for Mobile Ad-Hoc Network Using ANFIS Classifier. GopalakrishnanSubburayalu,HemanandDuraivelu,ArunPrasathRaveendran,Rajesh.Arunachalam,**Deepika.Kongara**&ChitraThangavel. Journal of Applied Security Research https://doi.org/10.1080/19361610.2021.2002118. [SCI Journal].

Conference(InterNational)

1. Dr. K. Deepika , Y. Sindhu Sai, G. Ruchitha "Prediction of Hypothyroid Disease Using Ensemble Machine Learning Model" AICTE Sponsored International Conference on "Energy Sustainability" (AICTE-ES-2022), 20-21 May, 2022,   ISBN: 978-93-94103-03-0.

VijayalaxmiGopu

Journal:(*UGC Listed and SCOPUS Indexed***)**

1. Dr.UdaraYedukondalu, G.Vijayalaxmi, DR.Swapna, Dr.K.BasavaRaju, "Applications of machine learning andauxiliarytumor treatment in the process of medical resource allocation" in International Journal of Mechanical Engineering ISSN: 0974-5823 Vol. 7 No. 2, Feb, 2022.

Dr. K. Praveen Kumar
Conference(InterNational)

1. **Dr.K.Praveen Kumar, K.Goutham Raju,** " An IoT-based optimization Scheme on task scheduling for minimizing energy in cloud computing" (2022 –8th International conference on Advanced computing and communication systems (ICACCS), DOI: 10.1109/ICACCS54159.2022.9785171.

2. **Dr.K.Praveen Kumar,** "A Design of Disease Diagnosis based Smart Healthcare Model   using Deep Learning Technique" (2022 – 8th International conference on Electronics,and Renewable Systems (ICEARS-2022), ISBN: 978-1-6654-8425-1 .

Sri. K. Goutham Raju
Conference(InterNational)

1. **S.Tharun Reddy,Mothe Rajesh, SukhaveerjiGhate,K.Goutham Raju, G.Sunil"**Excution Assesment of Instinctive XML Records and XML Empowered Records**",** *International Conference on Research in Sciences, Engineering & Technology,***24 May 2022.**https://doi.org/10.1063/5.0081781

2. **S.Tharun Reddy,Mothe Rajesh,,K.Goutham Raju, B.Prashanth "** A study of forensic techniques used for bot nets in IoT**",** *International Conference on Research in Sciences, Engineering & Technology,***24 May 2022, https://doi.org/10.1063/5.0081789.**

3. **Dr.K.Praveen Kumar, K.Goutham Raju,** " An IoT-based optimization Scheme on task scheduling for minimizing energy in cloud computing" (2022 –8th International   conference on Advanced computing and communication systems (ICACCS), DOI: 10.1109/ICACCS54159.2022.9785171.