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) OF B.TECH IT

* 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) OF B.TECH IT

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 Sixth 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

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs) OF M.TECH DATA SCIENCE

PEO1	Research and Innovation	attain proficiency in the field of data science to analyze, synthesize, simulate and use innovative techniques in research & teaching
PEO2	Technical expertise and Successful career	excel in profession, become an entrepreneur by adopting emerging technologies in the field of data science.
PEO3	Soft skills and Life-long learning	exhibit professional ethics, effective communication and develop solutions with the changing needs of the society for careerrelated activities.

PROGRAMME OUTCOMES (POs) OF M.TECH DATA SCIENCE

PO1	Engineering Knowledge	Independently carry out research and development work to solve practical problems.
PO2	Problem Analysis	Write and present an effective technical report/document.
PO3	Design/ Development of Solutions	Demonstrate competency in the field of data science.

PLACEMENTS

Following is the list of placed students who have received offer letters during JAN– JUNE of 2024
TOTAL OF 42 STUDENTS PLACED DURING THIS A.Y. 2023-24,

S. No	Roll No.	Name of the Student	Selected for company	CTC (IN LAKHS)
1	B20IT001	VEERLAPATI VAISHNAVI	LTIMINDTREE	4.05
2	B20IT017	KARUKURI SHIVA GANESH	LTIMINDTREE	4.05
3	B20IT018	BLAISE MARIA JAMES	TCS PRIME	9
4	B20IT021	KANTHI AKHILA	LTIMINDTREE	4.05
5	B20IT030	THANGALA LIKITHA	KAPTIUS	4.5
6	B20IT031	KOLACHINA VENKATA SAI KUSHAL	KAPTIUS	4.5
7	B20IT033	CHERUKU SRIHARSHITHA	COGNIZANT GENC	4.01
8	B20IT036	ADEPU DEEKSHITH	LTIMINDTREE	4.05
9	B20IT045	EGA SUPRIYA	TECH MAHINDRA	3.25
10	B20IT046	CHIKKA ANJANI	LTIMINDTREE	4.05
11	B20IT049	DASARI AJAY	TCS DIGITAL	7
12	B20IT072	PERALA SAI RATHAN	QSPIDERS	4
13	B20IT073	LATTUPALLY RAMAKRISHNA REDDY	QSPIDERS	4
14	B20IT076	SADIYA TASNEEM	LTIMINDTREE	4.05
15	B20IT090	VODELA SUPRITHA	QSPIDERS	4
16	B20IT101	NITHIN KUMAR SOMA	QSPIDERS	4
17	B20IT102	LOHISABEGUM MAHAMMAD	LTIMINDTREE	4.05
18	B20IT106	AELLABOINA KRUTHI	LTIMINDTREE	4.05
19	B20IT108	ADDANKI ANUSHA	QSPIDERS	4
20	B20IT111	KOMARALI MADHUKAR POOJA	Deloitte Consulting India Pvt Ltd	4.5
21	B20IT119	PILLI AJAY	QSPIDERS	4

Faculty Contributions

Industrial Training Certifications:

S.No	Name	Duration	Company Name	Course Name	Online/Offline
1	Dr. T. Senthil Murugan	12.02.2024 to 23.02.2024	C-DAC at Bangalore	HPC Master Trainer Program	Offline
2	Dr. Y. Bhavani	27.05.2024 to 07.06.2024	C-DAC at Pune	HPC Master Trainer Program	Offline
3	Dr. Y. Bhavani	01.01.2024 to 09.02.2024	**EduLakes Solutions LLP In Association with (NSS) - IIT Roorke**	ML and AI	Online
4	Dr. K. Deepika	May 15, 2024	Intellipaat	MS SQL Developer Course	Online
5	Dr. K. Deepika	One Year	iHUB DivyaSampark at IIT Roorke	Post Graduate Certification in Data Science	Online

As a Reviewer

S. No.	Name of the Faculty	Name of the Journal
1	Dr. T. Sentil Murgan	IEEE International conference for Women In Innovation, Technology and Entrepreneurship (ICWITE-2024)
2	Dr. Y. Bhavani	Cluster computing, Springer
3	Dr. Y. Bhavani	International Journal of Machine Learning and Cybernetics, Springer
4	Dr. Y. Bhavani	International Journal of Information Security, Springer
5	Dr. B. Kiran Kumar	2nd International Conference on Advances in Data Driven Computing and Intelligent Systems
6	Dr. K. Deepika	2nd International conference Advances in Computational Intelligence and Informatics

Achievements

S.No.	Name of the faculty	Achievement	Academic Year
1	Dr. Y. Bhavani	SWAYAM_NPTEL Domain Certification in Programming (Computer Science)	2023-2024
2	Dr. Y. Bhavani	ELITE + Silver Topper 1% in NPTEL Course Data Base Management System	2023-24
3	Dr. T. Senthil Murugan	ELITE + Silver Topper 5% in NPTEL Course Data Structure and Algorithms Using Java	2023-24
4	Dr. T. Senthil Murugan	NPTEL Discipline Star	2023-24
4	Dr. B. Kiran Kumar	ELITE + Gold Topper 1% in NPTEL Course Data Structure and Algorithms Using Java	2023-24
5	Dr. B. Kiran Kumar	ELITE + Silver Topper 1% in NPTEL Course Data Base Management System	2023-24
6	Sri A. Bhaskar	ELITE + Silver Topper 5% in NPTEL Course Programming in Java	2023-24
7	Dr. Y. Bhavani	ELITE + Gold Topper 2% in NPTEL Course Programming in Java	2023-24
8	Dr. Y. Bhavani	ELITE + Gold Topper 5% in NPTEL Course Introduction to Programming in C	2023-24

Session Chair:

S. No	Name	Name of the Conference	Organizing Institute	Academic Year
1	Dr. T. Senthil Murugan	International conference on smart Technologies for Sustainable Development Goals	S A Engineering College, association with IEEE Madras	2024-2025
2	Dr. T. Senthil Murugan	5th International Conference on Computer and Communication Technologies	KITSW	2023-2024
3	Dr. B. Kiran Kumar	5th International Conference on Computer and Communication Technologies	KITSW	2023-2024

FACULTY RESEARCH

S. No	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1	Hamiltonian Deep Neural Network Fostered Sentiment Analysis Approach on Product Reviews	Narahari Ajmeer and P. Kamakshi	SCOPUS (*Signal, Image and Video Processing*)	Feb- 2024	vol.18, pp.3483-3494
2	Energy and Security-Aware Data Transmission in IoT: An Optimal Cluster Head Selection Approach with Spiral Chip Dynamics Optimizer (SCDO)	T. Senthil Murugan	SCI *Wireless Personal Communications*	April 2024	vol. 135, no. 1, pp. 23 –45,
3	Video Face Tracking for IoT Big Data using Improved Swin Transformer-based CSA Model	Anbumani K., Cuddapah Anitha, Achuta Rao S. V., Praveen Kumar Kand Meganathan Rama-samy	UGC *Journal of Machine and Computing*	April 2024	vol. 4, pp. 308–316
4	Sentiment Analysis in Social Media using Deep Learning Techniques	Suwarna Gothane, G. Vinoda Reddy, K. Praveen Kumarand D. Baswaraj	UGC *International Journal of Intelligent Systems and Applications in Engineering*	Mar. 2024	vol. 12, pp. 1588

FDP'S

STUDENT ACHIEVEMENTS

S.No	Roll No	Student Name	Course Name	Duration	Weeks
1	B22IT078	M.Ashritha	Programming in Java	Jan-Apr 2024	12
2	B22IT082	P.Abhinaya	Programming in java	Jan-Apr 2024	12

Around 15 students are participated in various games & cultural activities and won prizes.

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Estd. 1980