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Steps for B. Tech in ISE Course Enhancement in 2021

01	CURRICULUM	<ul style="list-style-type: none"> • Curriculum is as per AICTE framework and UGC CBCS guidelines. • Reviewed by experts from Industry, Academia (from premier institutes like IITs, NITs, IISc, IIIT..etc.) and Alumni's • The students are moulded with multi-dimensional skill sets covering all the required graduate attributes. • Industry Driven Electives • The department is keeping abreast itself of global advancements.
02	BEST IN INFRASTRUCTURE	<ul style="list-style-type: none"> • State of Art Laboratories Supported by industries (CISCO Networking Lab, Apple iOS Lab, Oracle Database Lab, Red hat Linux Lab, Data Mining & Warehousing Lab, System Compilers Lab, Virtualization Lab, Microsoft office 365. • All the class rooms are smart,equipped with LCD projector for conduction of Online Classes, Webinars, Trainings.. etc • Focus is emphasized on the Practical Based Learning, Projects Based Learning, Tool Based Learning, Blended Learning/Partial Delivery, Peer Learning. • Seminar Halls with AV facilities.
03	INDUSTRY EMPOWERED FACULTY MEMBERS.	<ul style="list-style-type: none"> • Well qualified, experienced, and committed faculty members with the mixture of both academia and industry to provide quality industry tuned education.
04	CLUBS AND FORUM	<p>In addition to the curriculum there are ample opportunities for the students to participate in</p> <ul style="list-style-type: none"> • Training, workshops, conferences on latest technologies. • Various Club Activities through Infosphere Club • Social responsibilites (NSS, NCC, Field Visits..) • Co-Curricular and Extra-Curricular Activities • Sports • Industrial Visits

05	GLOBALLY RECOGNISED CERTIFICATION AND SKILL DEVELOPMENT PROGRAMS (SDP)	<p>Students are prepared for globally recognized industry standard certifications like</p> <ul style="list-style-type: none"> • Cisco Certified Network Associate (CCNA™), • Comp TIA Server+ • Data Mining Lab • Azure Data Scientist Associate OR AWS Certified Big Data-Specialty • AWS Certification on Machine Learning – Specialty OR Microsoft Azure AI Engineer Associate • Certified Information Security Manager • AWS solutions architect associate OR Certified ethical hacker • AWS solution architect associate OR Google Associate Android Developer • AWS DevOps Engineer. • Certificate for Full Stack Development. • Data Engineering Foundation • Study Abroad option in 7th and 8th semester at university of California riverside* • Microsoft Azure AI Engineer Associate OR AWS Machine Learning – Specialty <p>through Skill development Program. Certifications helps students during placements.</p>
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06	MOUS AND COLLABORATIONS	<ul style="list-style-type: none"> • Having MoU's with various industries (iNurture Education Solutions Pvt Ltd, Apple, Microsoft, CISCO Systems, ICT Academy, IEEE Student Branch, Computer Society of India, EICT Academy - Jaipur chapter, DST – NIMAT, Infosys Campus Connect
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07	INTERNSHIPS AND PROJECTS	<ul style="list-style-type: none"> • At Information science and engineering, we have regular exchange of knowledge between students and industry experts via real time projects and internships to solve the gap between concepts and practical applications.
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08	RESEARCH AND DEVELOPMENT	<ul style="list-style-type: none"> • Department Fosters Continuous Learning, Research by nurturing Innovation and a state of art learning environment to meet the global challenges. • Students are introduced to global challenges and societal problems and encouraged to take up projects in that direction and to publish their findings in Peer reviewed International/National Journals and conferences. • The Thrust Areas of Research are <ul style="list-style-type: none"> • Artificial Intelligence, Machine Learning • Internet of Things • Data Mining & Analytics • Information Retrieval & Security • Networking • High Performance Computing • Database Technologies. • Software Engineering • Android and iOS Development • Data Security and Cyber forensic.
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09	JU INCUBATOR, CRCE AND ENTREPRENEURSHIP DEVELOPMENT CELL	<ul style="list-style-type: none"> • Encourages Entrepreneurship and Startups
10	CAREERS	<ul style="list-style-type: none"> • PHP Developers, Programmers, Technology Developer, IT Specialist, Technical Consultant, Quality Analyst, Web Designer, Network Analyst, Application Developer, Data Miner & Analyst, Software Developers, Hardware Engineers, System Designer, System Analyst Networking Engineers, Database Administrator, Data Science Engineer, AI Research Scientist, AI Engineer, IoT Application Developer, IoT Technology Architect, Cybersecurity Engineer, Cybersecurity Analyst, CISO, Digital Forensic Engineer, Digital Forensic Specialist, Software and System Architect,
11	PLACEMENTS (Exemplary Placement Record)	<ul style="list-style-type: none"> • 100% placement for all the eligible candidates • Highest Package offered is 32Lakhs PA (Japanese Company) • Lowest Package is 3 Lakhs PA • Average Package is 9 Lakhs PA
12	HIGHER STUDIES	<ul style="list-style-type: none"> • Encourages Higher studies through Byju's and Manya Group (GATE, GRE, TOFEL, IELTS...etc.)
13	MENTORING AND STUDENT COUNCELLING	<ul style="list-style-type: none"> • Effective Mentoring and Student Support System in place