

14 Steps for B. Tech and M. Tech in CSE& CSE Specialisation Course Enhancement

01	CURRICULUM	<ul style="list-style-type: none"> The curriculum is as per the AICTE framework and UGC CBCS guidelines Reviewed by experts from Industry, Academia (from premier institutes like IITs, NITs, IISc, IIIT.etc.) The students are molded with multi-dimensional skill sets covering all the required attributes Industry-driven and relevant electives In sync with global advancements
02	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, NLP, and Deep Learning Lab (Nvidia), AI and Machine Learning Lab, Embedded and IoT Lab, DevOps Lab, Virtualization Lab (VM Ware), Microsoft office 365) Smart classrooms equipped with LCD projectors for conducting Online Classes, Webinars, Training, 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 a blend of academia and industry expertise
04	CLUBS AND FORUM	<p>In addition to the curriculum, there are many opportunities for the students to participate in</p> <ul style="list-style-type: none"> Training, workshops, conferences on the latest technologies. Various Club Activities (iGnan, Enigma, AI Top Coders, ANOVA, Zigbee, Top Coders, Cypher Shield, Appintech) Social responsibilities (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®), • CompTIA Project+ • Nvidia Certification (NLP and Deep Learning) • Azure Data Scientist Associate OR AWS Certified Big Data-Specialty • AWS Certification on Machine Learning – Specialty Microsoft Azure AI Engineer Associate • Cisco Certified IoT fundamentals • AWS solutions architect associate OR Certified ethical hacker • AWS solution architect associated google Associate • Android Developer • AWS DevOps Engineer • EC Council Certifications in cybersecurity • Microsoft Azure AI Engineer Associate OR AWS Machine Learning – Specialty through Skill Development Program • Increase chances of selection during the placement process
06	MoUs AND COLLABORATIONS	<ul style="list-style-type: none"> • MoU's with various leading education partners (iNurture Education Solutions Pvt Ltd, Apple, Nvidia, Svyasa University, Microsoft, CISCO Systems, ICT Academy, IEEE Student Branch, Computer Society of India, EICT Academy - Jaipur chapter, DST – NIMAT, Infosys Campus Connect, Nvidia, Texas Instruments, ARM University)
07	INTERNSHIPS AND PROJECTS	<ul style="list-style-type: none"> • Regular exchange of knowledge between students and industry experts via real-time projects and internships • These activities help in bridging the gap between concepts and practical applications

08	RESEARCH AND DEVELOPMENT	<ul style="list-style-type: none"> • Fostering continuous Learning, Research by nurturing Innovation and a state-of-art learning environment to meet 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. <p>The Thrust Areas of Research are:</p> <ul style="list-style-type: none"> • Artificial Intelligence, Machine Learning, Deep Learning, NLP • Internet of Things • Image processing and Computer Vision • Advanced Communication and Networking • Database Technologies. • Software Engineering • Android and iOS Development • Data Security and Cyber Forensic
09	JU INCUBATOR, CRCE AND ENTREPRENEURSHIP DEVELOPMENT CELL	<ul style="list-style-type: none"> • Encourages entrepreneurship ideas
10	CAREERS	<p>Software Developers, Hardware Engineers, System Designer, System Analyst Networking Engineers, Database Administrator, PHP Developers, Programmers, Technology Developer, IT Specialist, Technical Consultant, Quality Analyst, Data Scientist, Data Architect, Data Engineer, Data Analyst, Data Science Engineer, AI Research Scientist, AI Engineer, Game Developer, IoT Application Developer, IoT Technology Architect, Cybersecurity Engineer, Cybersecurity Analyst, CISO, Digital Forensic Engineer, Digital Forensic Specialist, Software and System Architect, Embedded Software Engineer.</p>
11	PLACEMENTS (Exemplary Placement Record)	<ul style="list-style-type: none"> • 100% placement for all the eligible candidates • Highest Package offered is 32 Lakhs PA • 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 COUNSELLING	<ul style="list-style-type: none">• Effective mentoring and student support system in place
----	-----------------------------------	---

14	CENTRE OF EXCELLENCE	<ul style="list-style-type: none">• "iCode" – Centre of Excellence to enhance coding, problems solving and computational thinking skills through training, workshops, hackathons, coding contests etc.• " Apple iOS"Centre of Excellence
----	----------------------	---

13 Steps for B. Tech in CSE (Cybersecurity, AI & ML)

01	CURRICULUM	<ul style="list-style-type: none"> • AICTE approved curriculum • The program features two verticals. The first - establishing a solid foundation of the program in a structured method. The second vertical will focus on developing specialized skills and knowledge in various topics like cybersecurity, and non-computing • Reviewed by industry veterans, leading academicians from premier institutes like IITs, NITs, IISc, IIIT..etc. • Honing multi-dimensional skill sets that are required to be work-ready • Offering industry-driven electives • Staying in sync with the latest industry updates
02	INFRASTRUCTURE	<ul style="list-style-type: none"> • Advanced laboratories supported by industries like CISCO Networking Lab, Apple iOS Lab, Oracle Database Lab, Red hat Linux Lab, Nvidia Lab, AI, and Machine Learning Lab, Embedded and IoT Lab, Microsoft office 365 • Well-equipped smart classroom featuring LCD projectors to facilitate online learning, skill-based workshops or training sessions, webinars, etc • High emphasis on the practical, project, and tool-based learning along with opportunities for blended learning/partial delivery, peer learning • Seminar Halls with AV facilities • High-speed wireless internet connectivity
03	FACULTY	<ul style="list-style-type: none"> • Seasoned faculty and researchers with extensive expertise in both academia and various business sector
04	CLUBS AND FORUM	<ul style="list-style-type: none"> • Training, workshops, conferences on the latest technologies • Clubs like iGnan and Enigma • NSS, NCC, field visits • Co-curricular and extra-curricular activities • Sports • Industrial visits

05	GLOBALLY RECOGNISED CERTIFICATION AND SKILL DEVELOPMENT PROGRAMS (SDP)	<p>Students can avail globally recognized industry standard certifications like</p> <ul style="list-style-type: none"> • EC Council Certifications in Cybersecurity including Certified Ethical Hacker (CEH) • Option to pursue semesters 7 and 8 at the University of California Riverside * via Study Abroad opportunity • Harvard Business Publishing certifications • Wiley NXT PG Certification from a top IIT alongside semester 8 • Project and Mentoring support by 3AI Technologies
06	MoUs AND COLLABORATIONS	<ul style="list-style-type: none"> • Industry collaborations with iNurture Education Solutions Pvt Ltd, Apple, Nvidia, Svyasa University, Oracle, Microsoft, Micro Focus, CISCO Systems, ICT Academy, IEEE Student Branch Computer Society of India, EICT Academy - Jaipur chapter, DST – NIMAT, Infosys Campus Connect
07	INTERSHIPS AND PROJECTS	<ul style="list-style-type: none"> • Assisting the regular exchange of knowledge and interaction between students and industry experts via real-time projects, mentoring, webinars, workshops to solve the gap between concepts and practical applications
08	RESEARCH AND DEVELOPMENT	<ul style="list-style-type: none"> • Focusing on continuous learning, research by nurturing innovation through a state of art learning environment to meet global challenges • Students are encouraged to take up real-time projects to tackle global challenges and societal dilemmas and publish their findings in peer-reviewed international/national journals and conferences <p>Research thrust areas:</p> <ul style="list-style-type: none"> • Cybersecurity • Artificial Intelligence and Machine Learning • Internet of Things • Image processing and Computer Vision • Advanced Communication and Networking • Database Technologies • Software Engineering
09	JU INCUBATOR, CRCE AND ENTREPRENEURSHIP DEVELOPMENT CELL	<ul style="list-style-type: none"> • Encouraging entrepreneurship and start-up ventures • JUincubator, a joint initiative with JAIN (Deemed-to-be University), is dedicated to supporting aspiring entrepreneurs. JUincubator offers mentorship, access to seed-funding, networking with successful entrepreneurs, and necessary resources

10	CAREERS	<p>(Opportunities in Cybersecurity domain)</p> <ul style="list-style-type: none"> • Network Security Engineer • Cybersecurity Analyst • Cybersecurity Architect • Cybersecurity Specialist • Cybersecurity Manager / Officer • Chief Information Security Officer (CISO) • Cyber Defence Analyst • Digital Forensics Investigator • Digital Forensics Specialist • Digital Forensics Analyst and more <p>(Opportunities in AI & ML)</p> <ul style="list-style-type: none"> • Software Engineer/Software Developer in AI / Machine Learning • AI / Machine Learning Engineer • AI / Machine Learning Specialist • Human-Centered Machine Learning Designer • Data Scientist • Data Engineer • Data Architect • Data Analyst • NLP (Natural Language Processing) Engineer • Computer Vision Engineer • Automation Engineer AI / Machine Learning Researcher
11	PLACEMENTS (Exemplary Placement Record)	<ul style="list-style-type: none"> • 100% placement assistance • Conditional Letter of Intent (LoI) issued to eligible students from Futureense
12	HIGHER STUDIES	<ul style="list-style-type: none"> • Opportunities to achieve additional learning and higher education through Byju's and Manya Group (GATE, GRE, TOFEL, IELTS...etc.)
13	MENTORING AND STUDENT COUNSELLING	<ul style="list-style-type: none"> • Conducive environment to facilitate efficient communication through adequate mentoring and student support system