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# VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade

NBA Accreditation for CE, EEE, ME, ECE, CSE, EIE, IT B.Tech. Programmes  
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF 109 Rank in engineering Category  
Recognized as "College with Potential for Excellence" by UGC  
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| <b>VNRVJIET offers an M. Tech Programme in “Computer Science and Engineering”<br/>M. Tech (CSE)</b> |   |
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| <b>Course Level</b>   | Post-Graduate   |
| <b>About the Programme</b>  | <p>VNRVJIET Hyderabad has been offering 2-years regular Postgraduate-Master of Technology (M. Tech) degree programme in “<b>Computer Science &amp; Engineering</b>” (CSE) with sanctioned intake of 18 from the academic year 2014-2015. The duration of the course is divided into four semesters.</p> <p>The objective is to prepare students to undertake careers involving innovation and problem solving using computational techniques and technologies, or to undertake advanced studies for research careers or to take up Entrepreneurship.</p> <p>The candidates need to have a valid score in one of the top competitive exams like GATE and PG CET. The course subjects comprise core courses and electives and also a project. The course is designed to equip students with the knowledge and skills required by the modern computing industry to innovate and tweak systems according to the proper requirements.</p> <p>M. Tech (CSE) is a highly recommended industry relevant programme in the field of Computer Science focusing on practical implementation of CSE concepts in real applications. The programme curriculum has been developed with the support of Industry and academia with prime focus on Industry 4.0 courses like</p> <ul style="list-style-type: none"> <li>✓ Data Science</li> <li>✓ Machine Learning</li> <li>✓ Cloud Computing</li> <li>✓ Internet of Things</li> <li>✓ Business Analytics</li> <li>✓ Algorithms</li> </ul> |

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|  | <ul style="list-style-type: none"> <li>✓ Blockchain technology</li> </ul> <p>This programme also ensures that the student graduating from the programme not only know the core concepts of computer science but also develop an equal appreciation of research and human ethical values.</p>  |
| <b>WHY STUDY M Tech CSE at VNRVJIET</b><br><b>OUR PROSPECTUS</b> | <ul style="list-style-type: none"> <li>✓ Imparting quality education since M Tech CSE Course inception (2014)</li> <li>✓ Recognized as Research Center by JNTUH, Hyderabad</li> <li>✓ Center of Excellence for Data Sciences</li> <li>✓ Experienced and competent faculty</li> <li>✓ Internships and Placements in MNCs</li> <li>✓ Curriculum updates as per industry and societal demand</li> <li>✓ Offered Ph.D Programme under AICTE-NDF (National Doctoral Fellowship) and JNTUH</li> </ul>   |
| <b>The salient features of the CSE programme</b>                 | <p>M Tech CSE helps to solve problems efficiently, the ability to design, develop and evaluate new computer-based systems for new applications that meet the desired needs of industry and society, understanding and the ability to use advanced IT tools and techniques the ability to carry out original research on the cutting edge of information technology and related areas, the ability to function effectively individually or as part of a team to achieve a declared goal.</p> <ul style="list-style-type: none"> <li>✓ More focus on Digital Technologies in Computer Science and Engineering</li> <li>✓ Understanding of Technology Abstraction</li> <li>✓ Hands-on exposure to real-life smart projects and the successful Implementation</li> <li>✓ Enhancement of Innovation Ability</li> <li>✓ Strong in Ethics and Life Values</li> </ul> |
| <b>Duration of the Course</b>                                    | 2 Years   |
| <b>Examination Type</b>  | Semester  |

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| <b>Eligibility Criteria for Admission</b> | <ul style="list-style-type: none"> <li>✓ The candidate shall be an Indian National / NRI</li> <li>✓ BE/B.Tech/AMIE in CSE/CSIT/Electronics and Computer Engineering/IT and Computer Science and Engineering or Equivalent</li> <li>✓ The candidate should have completed 21 years of age as on 31st</li> <li>✓ December of the academic year for which the admissions are being conducted</li> <li>✓ The candidate should have passed the qualifying examination (BE/B Tech) or equivalent as on the date of admission recognized by University, Telangana State</li> <li>✓ Seats in the programme are classified into Category A and Category B as per the G.Os.</li> </ul> |
| <b>Category –A Seats</b>                  | <p>These seats shall be filled through counselling as per the rank in the Common Entrance Test (PGCET) conducted by the State Government and as per other admission criteria laid down in the G.Os.</p>  |
| <b>Category -B Seats</b>                  | <p>These seats shall be filled by the Institute as per the G.Os issued by the State Government from time to time</p>   |
| <b>Admission Process</b>                  | <p>Entrance exams GATE/PGCET based and also Merit based</p>  |
| <b>Course Fee</b>                         | <p>INR 1,30,000-00 and<br/>INR 11,700-00 per annum</p>   |
| <b>Average Salary</b>                     | <p>INR 4 and 5 LPA</p>   |
| <b>Top Recruiting Companies</b>           | <p>Consultancy firms, IT companies, corporate Industry, Multinational companies, start ups, banking sectors etc.</p>   |
| <b>Job Positions</b>                      | <ul style="list-style-type: none"> <li>✓ Chief Technical Officer, (CTO)</li> <li>✓ Systems Analysts</li> <li>✓ Database Administrator</li> <li>✓ Software Designer</li> <li>✓ IT Analyst</li> </ul>  |

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|   | <ul style="list-style-type: none"> <li>✓ Web Application Developer</li> <li>✓ Network Administrator</li> <li>✓ Software Programmer</li> <li>✓ Assistant Professor in Engineering Colleges etc.</li> </ul>  |
| <p><b>Scope, Salary and Job opportunities</b></p> | <p>Job opportunities are available for Postgraduates in Public Sector as well as Private sector and Software Industry. Postgraduates may take up the following job posts.</p> <ul style="list-style-type: none"> <li>✓ Software Engineer</li> <li>✓ Software Architect</li> <li>✓ Systems Engineering manager</li> <li>✓ Software Developer</li> <li>✓ IT Co-Ordinator</li> <li>✓ System Administrator</li> <li>✓ Software Quality Analyst</li> <li>✓ Network Administrator</li> <li>✓ Software Tester</li> <li>✓ IT Analyst</li> <li>✓ Help Desk Analyst</li> <li>✓ Help Desk Support</li> <li>✓ Project Manager</li> <li>✓ Application Developer</li> </ul> <p>After completing M.Tech. program, one may also take up a <b>teaching job</b>. Also, after taking up PhD program, one may also build a career in the Research and Development sector. The good thing about M.Tech. Computer Science and Engineering program is that it also allows one to remain self-employed. Average starting salary is generally between 3-5 Lakh Rupees an year. One may start one's own programming and software development venture and remain self-employed.</p> |

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| <b>INFRASTRUCTURAL RESOURCES</b> | <p>The labs are equipped with high-end systems and required software supporting academic and research: Weka tool 8.0 Code Blocks, Turbo C++4.0, Python, Oracle 11g, Rational Rose Suite 8.0, JDK 1.8, Eclipse ANDROID SDK, Selenium, MATLAB, Unity, R, Hadoop Framework, MultiGen Creator, Autodesk 3ds Max, Maya 3D.</p> <ul style="list-style-type: none"> <li>✓ ICT enabled class rooms and laboratories</li> <li>✓ Wi-Fi campus, with an internet bandwidth of 500 Mbps.</li> </ul>  |
| <b>RESEARCH AND DEVELOPMENT</b>  | <p><i>M Tech CSE Students carry out their project works in exclusive research labs in</i></p> <ul style="list-style-type: none"> <li>✓ Data Science</li> <li>✓ Cloud Computing</li> <li>✓ Internet of Things</li> <li>✓ Blockchain Technology</li> <li>✓ Algorithms</li> <li>✓ Virtual Reality and Real Time Applications</li> <li>✓ Visuo Haptics Augmented/Virtual Reality Gaming</li> <li>✓ Machine Learning</li> <li>✓ Research and Consultancy is an integral part of academics. Faculty of CSE actively participates in the research funding and consultancy work with reputed organization like AICTE, DST, UGC, ISSR, MHRD, and ITRA.</li> </ul> |
| <b>INDUSTRIAL COLLABORATIONS</b> | <ul style="list-style-type: none"> <li>✓ Strong links with Industry for Industry Oriented Knowledge</li> <li>✓ Industry Institute Interaction Cell (IIIC)</li> <li>✓ MOU's with major Companies like TCS, Infosys, mroads etc</li> <li>✓ Women in Software Engineering (WISE) collaborative program with MICROSOFT</li> <li>✓ Internships and Industrial Training opportunities</li> </ul>   |

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