



# MATRUSRI ENGINEERING COLLEGE

SAIDABAD, HYDERABAD – 500 059



## Comparison of BE CSE, CSE(DS), Comp.Engg. & IT

Computer Science and Engineering	CSE (Data Science)	Computer Engineering	Information Technology
<p>Study of computers, their design, architecture. It encompasses software and hardware elements of computers, machines, and devices. A computer science engineer can create new things because he knows the theories.</p> <p style="text-align: center;"><b>Career Options</b></p> <p>Application/System Developer Web Developer Hardware Engineer Database Administrator Computer Systems Analyst, Forensic Computer Analyst, Information Security Analyst, etc.</p> <p style="text-align: center;"><b>Main Areas of Application</b></p> <p>Computers Databases Networks Security Programming languages Software engineering Algorithm designing Informatics Bioinformatics</p>	<p>It is a field that uses mathematics, statistics and various other tools to discover the hidden patterns in the data.</p> <p>Study of data, their type, data mining, manipulation. Machine learning, prediction, visualization and simulation Data scientist often develop predictive data models for theorizing and forecasting outcomes. Data scientist deploy data tools such as Python, R, SAS, or SQL in data analysis.</p> <p style="text-align: center;"><b>Career Options</b></p> <p>Data Analyst Data Scientist Data Engineer Data Warehouse engineer Business Analysts Analytics Manager Business Intelligence Analysts</p> <p style="text-align: center;"><b>Main Areas of Application</b></p> <p>Databases Data handling and maintenance Informatics Algorithm designing Data Modelling</p>	<p>Computer Engineering integrates electrical with computer science. It includes building computing systems and technological devices.</p> <p>Computer engineering focuses on solving problems and designing hardware and software interfaces.</p> <p style="text-align: center;"><b>Career Options</b></p> <p>Network Administrator. Information Technology Manager. Computer Support Specialist. Data Security Administrator. Computer Technician. Database Administrator. Information Systems Manager. System Administrator.</p> <p style="text-align: center;"><b>Main Areas of Application</b></p> <p>Computers Databases Networks Security Software engineering</p>	<p>Information Technology integrates electronics subjects involving communications techniques with Computer science. It deals with the application of computers in businesses. In IT more focus is how to use existing technologies more efficiently and effectively,</p> <p style="text-align: center;"><b>Career Options</b></p> <p>Network Administrators. Information Systems Managers. Information Security Analysts. Computer forensic investigator. Systems Engineer. Systems Analysts. IT project manager. Mobile and Web Developers.</p> <p style="text-align: center;"><b>Main Areas of Application</b></p> <p>Information Systems Networks Security Software engineering</p>