



## School of Computer Information and Mathematical Sciences

Department of Information Technology

# M.Tech. Information Technology

## Information Brochure



2023  
Engg:101-150  
Univ: 151-200



SDG 4: 75 | SDG 6: 77  
SDG 7: 101-200  
SDG 17: 301-400



QS Asia University  
Ranking 2024 (801+)



Diamond

## Department of Information Technology

- Established in the year 1999
- 22 Years of Excellence in Teaching and Research
- Offers B.Tech. (IT) and M.Tech. (IT) and Ph.D. Programmes and the UG and PG Programmes are NBA Accredited
- Well qualified faculty members (82 % with Ph.D.)
- Emphasis on Value Added and MOOC Courses
- Recognized Research Supervisors on cutting edge technologies for PG and Doctoral Programmes
- Good no. of Research Publications with high H-Index and Patents
- Prolific Interaction with Industry and Alumni
- Well established Laboratories with Software Tools
- Real Time Consultancy and Collaboration with IT Industries
- Industrial Visit and Internship
- Good placement record

### Key Features of M. Tech. (IT)

- Started in the Year 2010
- Outcome Based Teaching Learning Process
- Choice Based Credit System
- Curriculum and Syllabi designed with Industrial collaboration
- ICT enabled Teaching Learning Methodologies
- Crescent LMS (Learning Management System) and Software Assisted Learning
- Lab-integrated theory courses & Project-based learning
- Credit transfer facility for SWAYAM (NPTEL) MOOC Courses
- Research-oriented /Industrial Project
- Excellent research environment
- Different course learning paths and flexibility in choosing elective courses on the learning paths based on the interest of students

### Eligibility:

Passed Bachelor's Degree or equivalent in the relevant field. Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying Examination

### Areas of Research



Data  
Science



INTERNET  
OF THINGS



### Learning Paths



## Learning Path 1 – Cloud Computing

- The cloud computing technology allows users to take benefit from the new and existing technologies, without the need for deep knowledge or expertise with each one of them. Data migration to cloud is major work in many reputed companies.
- Thousands of Cloud Computing professionals are required currently by Industries.



## Learning Path 2 – Data Science

- Data science is one of the booming field and widely applied in many domains like retail, healthcare, banking etc.
- Thousands of Data Science job vacancies in abroad and India.



## Learning Path 3 – Cyber Security

- Cyber Security is the protection of Internet-connected systems such as hardware, software and data from cyber threats.
- There are hundreds and thousands of Jobs created in this domain.



## Learning Path 4 – AI & Machine Learning

- According to Gartner Predication report (2019), Machine Learning Engineer is the top job in terms of salary, growth of postings, and general demand. It is predicted that AI will pervade human lives by 2025, conquering every job possible.
- AI is one of the fastest-growing technology in the current job market, The demand for AI professionals outpaces the current skilled AI engineers.



## Career Opportunities

A vast demand in IT & Core Industries / R & D Centres / Academia for

- Cloud Computing Professionals
- AI Experts
- Data Scientists
- Cyber Security Professionals
- Software Engineers
- Network Engineers
- Software Analysts



## Value Added Courses

- iOS Application Development
- Android Application Development
- Flutter Application Development
- Red Hat Certification
- MongoDB for Java Developers
- Oracle i-Learning
- Hadoop and Apache Spark
- Machine Learning & Deep Learning

## Industry Interaction

- Industry experts involved in BoS and “Pre-Curriculum meet”.
- More than fourteen Affiliate Faculty members are attached from industries.
- Students undergone Industrial Internship in various State-of-the-Art technologies in industries in and around Chennai.
- Faculty members attended the Industrial Internship in Data Analytics, Mobile Cloud Computing, Mobile Application Development and Machine Learning.

## Extension Activities

- Department is having close association with Crescent Innovation & Incubation Council (CIIC) which is established as a Section-8 not for profit company and acting as a “One Stop Shop – Technology Business Incubator (TBI)” for Start-ups in the campus.
- CIIC facilitates entrepreneurial & innovative ecosystem to all the stakeholders including the Students, Faculty, Industry, Investors, Government and society at large.

## Online Learning & MOOC

- Faculty members and Students enhance their knowledge through Massive Open Online Courses (MOOC).
- We have exclusive Learning Management System – Crescent LMS



Motivational Seminars by Alumni



Certificate Awarding Function for Value Added Courses



Industrial Visits by PG & UG students to a IoT based Firm.



Value Added Courses – iOS Lab



Value Added Courses – Red hat Linux

## MoUs Signed

## CIIC



## Career Opportunities & Higher Studies



## Key Features of CIIC

- Startups by Students, Faculty members & Alumni
- Internship and placement opportunities for the students
- Converting the projects into patents and in turn to startups
- Assisting for financial help from funding agencies
- Technical assistance from fellow startups
- Marketing support for the products
- Faculty members acting as mentors & knowledge partners

## Students Testimony



**Ms. Matheen Fathima,**  
**M.Tech. IT (2020-2022) Batch**

"I have worked in Amazon for 1 year as a "Software Testing" in Chennai. Further I have joined in Crescent for pursuing my M.Tech. IT. Crescent is the right place to develop knowledge in both practical and theory as well. It also helps to develop project based learning for students. The staff and HoD are more friendly and infrastructure and lab facilities are really good. Crescent is the best place to explore and achieve technological and management growth for future"



**Ms. Chitra,**  
**M.Tech. IT (2020-2022) Batch**

"This is Chitra, student of M.Tech. IT, Discovering and choosing a university for Master degree that fulfills all my needs, were a righteous and exciting task. But it was quite easy for me to choose because I completed my UG in the same university and I was quite satisfied with the teaching learning process in Crescent. In PG, I am gaining more practical knowledge that will be useful in my future career. The staff and HoD are more friendly and the infrastructure, library and lab facilities are too good. At last, I would like to thank Crescent for helping me to explore and achieve technological and management growth"

## Alumni Testimony



**Ms. K Sowmiya,**  
**M.Tech. IT (2018-2020) Batch**

“This is K Sowmiya , I am working as Digital Associates in Amazon, Chennai. My graduation at crescent has been a very interesting and awesome journey. Choosing crescent was one of the best decisions I have ever made. I have gained a lot of knowledge and experiences which added a different perspective to my life. I am very much thankful to all faculty members for their continuous encouragement and support. I am always thankful to them for supporting, encouraging and inspiring me”



**Ms. R. Anitha,**  
**M.Tech. IT (2013-2015) Batch**

“This is Anitha, working as a technical senior content developer in Algoritz, Chennai. I have done my undergraduate as well as postgraduate in Crescent college. Faculty of B.Tech. (IT) & M.Tech. (IT) have done encouraging work in my life. I have learnt much of technical knowledge from my staff and that supported me to sustain my career growth successively. Apart from the academic part, cultural events take place every year where we have enjoyed the memorable moments. I like to thank my staff and honourable HoD for their continual support and effort”



**Mr. Karthik ,**  
**M.Tech. IT (2013-2015) Batch**

“This is Karthik, Alumnus of Crescent I am working as a software developer in TCS, Chennai. Crescent is the right place for the students who aim to attain better position in future. I have gained more practical knowledge, at present where I am investing in my career. The staff and HoD are more friendly and the infrastructure and lab facilities are too good. At last not but least, I like to thank Crescent for helping me to explore and achieve technological and management growth”



**Mr. Suresh K**

Batch : 2010 – 2012 (M.Tech.)  
Cloud DevOps Architect  
Siemens Healthineers, Bangalore



**Ms. Pavai**

Batch : 2010-2012 (M.Tech.)  
Software Engineer  
Born Commerce Private Ltd, Chennai



**Mr. T.Arun Prakash**

Batch : 2011-2013 (M.Tech.)  
Senior Associate  
CTS, Chennai

# Notable Alumni

# CONTACT

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