MADURAI KAMARAJ UNIVERSITY

Established in 1966, **Madurai Kamaraj University** as a State University attained the status of **University with Potential for Excellence** for **'Teaching, Research and Outreach'** in 2007. The University has been accredited with "A" grade in the 3rd cycle (2015) by NAAC.

DEPARTMENT OF COMPUTER SCIENCE

M.Sc., Computer Science Program was started in Madurai Kamaraj University with the funding from the Defence Research and Development Organization (DRDO) in the year 1986 and the program was converted as the Department of Computer Science in the year 1992. It is one of the oldest departments in India. Major research contributions are in the fields of Big Data Analytics, Social Network Analysis, Data Mining, etc., with more than 250 research publications. International Research Collaborations are established with 'Knowledge Management In Organizations (KMO)' and University of Maribor, Slovenia.

M.SC. (CS)
With specialization in Big Data Analytics (2 Years Programme)

Eligibility

Bachelors' Degree in any branch of Engineering / Technology / Science with Mathematics as a ancillary subject

CAREER PROSPECTS

Big Data Analytics course has been designed after researching multiple industry skill requirements to ensure that the students learn exactly what employers need. Upon completing the fourth semester, eligible candidates can expect placement opportunities across top tier domestic and global Analytics firms.

PLACEMENTS

Around 3000 students have so far been placed in various prestigious Information Technology companies such as TCS, CTS, IBM, INFOSYS, HCL etc. worldwide. The students are periodically exposed to hands-on training programs on various tools and technologies in Computer Science.

ADMISSION PROCEDURE

Admission to this course is through the Madurai Kamaraj University Common Entrance Test. The candidates are required to check for the admission notification in the University website www.mkuniversity.ac.in. The entrance test will be of multiple choice type with 100 questions. The syllabus will be notified in the University website. The admission is purely based on merit of the entrance examination.

COURSE STRUCTURE

Semester – I	Semester – II	Semester – III	Semester – IV
Discrete Mathematical Structures	Advanced Java Programming	Computing for Data analytics	Multivariate Technique for Data Analysis
Advanced C Programming	Data Mining and Warehousing	Data Compression	Elective IV 1) Soft Computing 2)Wireless Sensor Networks 3) Cloud Computing
Data Structures & Algorithms	Operating System Design Principle	Elective II 1) Information Retrieval 2)Big data Analytics 3)Internet of Things	Project Work (mini)
Database Systems	Elective I 1)Embedded System 2) Advance S/W Engineering 3) Distributed System	Elective III 1)Advanced system architecture 2)Compiler Design 3) Network Security	
LAB 1 – Data Structure in C	LAB 1 – Advanced JAVA Programming	LAB 1 – Data Analytics with 'R' Programming	
LAB 2 – RDBMS	LAB 2 - Data Mining	LAB 2 – Data Compression	

Fees Structure for the year 2019-2020

Sl. No	Programme	Tuition Fee	Lab Fee	Lab Consumables	Special Fees	Computer/ Internet/Co	Other Fees	Caution Deposit	CBCS Hand Book	Field / Industrial Visit	Total
1	I Year	15000	8800	0	1800	1200	100	1000	100	0	28,000
2	II Year	15000	8800	0	1800	1200	0	0	0	0	26,800