

SOFTWARE DEVELOPMENT B.TECH PROGRAM

Crafted to Create Globally Competitive
Domain Thought Leaders



**MAHARISHI
MARKANDESHWAR
UNIVERSITY**

(NAAC Accredited Grade 'A' University)



Think Success Think MMU



Students from
30+ countries

More than
13000 students
in MMU campuses

1300+
Dedicated
Faculty

300+
Prime
Recruiters

30,000+
Success
Stories

THE MATCHLESS EDUCATION DESTINATION

- World-class education curriculum
- Internationally reckoned faculty
- State-of-the-art Infrastructure
- Choice of three campuses
- Numerous study abroad program options
- Stronger Industry-Academia relationship
- International recognitions & accreditations for the University programs



Innovations @ MMU

Centres of Excellence



Campus Business Park at MMU, Mullana is a unique initiative first of its kind in the country with most innovative ideas to improve

employability of students. It offers an opportunity to our students to rub shoulders with the experienced professionals at the campus. Several companies have chosen MMU campus Business Park as way to grow in today's environment. It helps them to reduce operational risk and find the best talent.



Business Incubation Centre (BIC) at MMU Mullana is a miniature corporate identity to provide business services amongst its students, faculty and alumni. MMU BIC focuses on honing

the entrepreneur skills, product development and manufacturing that fall in line with the initiative of Govt. of India to encourage the programs like 'Make in India' & 'Startup India' with an objective to encourage entrepreneurship that creates self-employment.

Knowledge Partners





TECHNICAL SKILLS



SOFT SKILLS



BEHAVIOR SKILLS



KNOWLEDGE



WORK EXPERIENCE
ON LIVE PROJECTS

SOFTWARE DEVELOPMENT B.TECH PROGRAM KEY BENEFITS



- Program Designed & Delivered by former Carnegie Mellon University (USA) professors with decades of industry experience
- Students taught by the Program Designers are working in top companies of the Silicon Valley.
- On completion of 4 years of the program, students will be holding a degree in B.Tech. Computer Science with specialization in Software Development Program with a rich industrial experience equivalent to 2 years.
- Excellent opportunities to get placed in blue chip companies.

HOW DOES THE MMU SD B.Tech PROGRAM GET YOU READY FOR GLOBAL EMPLOYMENT?

- The MMU Software Development B.Tech Program ensures that you get everything you need to be job-ready
- Unlike other educational institutions, when you enroll in the MMU Software Development program you will work in small teams under the careful guidance of industry-experienced mentors.
- You will role-play as a software developer, working for a fictional company. Your faculty will role-play as your manager.
- You are introduced to a client and you are given a client problem to solve. Some of these problems are small, and some will take significant time and effort. Very few of these problems can be completed the night before they are due.





AMERICAN
EDUCATION
@
INDIAN
PRICE ▶

Faculty from Top Notch University of USA

Program Designed &
Delivered by former
Carnegie Mellon
University of USA
professors and their
team with decades of
industry experience



Lynn Robert Carter
Ph.D. Computer Science
MS, Mathematics

Lynn Robert Carter has two decades of industrial software development and research experience at major companies, including Tektronix, Motorola, and GenRad.

He was a researcher at Carnegie Mellon University's Software Engineering Institute for 11 years before accepting an appointment to design, implement, and operate the innovative Software Engineering Professional Master's Degree for Carnegie Mellon University's campus in Silicon Valley.



Martin Radley
MS, Software Engineering
PMP Certification

Martin Radley has more than 25 years of experience in all aspects of software product development, including project and program management, requirements management, data modeling, product design and development, testing, product deployment and maintenance.

He has worked as a project manager for numerous organizations and is a private consultant in software project management. Martin holds M.S. in Software Engineering from Carnegie Mellon University.

Testimonials of the Students mentored by the faculty

Aravind

Senior IT Analyst and
Project Manager in US

"In the learn-by-doing program I learned skills that are difficult to find in any book or in a theoretical lecture. My mentor took my current knowledge and experience as a starting point, and me to the next level of expertise. Because the courses are structured based on the 'Learning by Doing' philosophy, I found the work very engaging and useful."

Meghna

Entrepreneur in India

"I've participated in learn-by-doing as both a student and a teacher. The learning and teaching experiences are transformational and really prepare students for a successful career. I strongly recommend this approach to prospective students."

Bertrand

Google Product Manager
Silicon Valley

"It is learning by doing and plenty of teamwork that makes the program so great."

Masood

CTO of a web hosting
company in Canada

"This was the first time using a User Requirements Document and writing user stories. This was a really good realistic experience and I feel more confident using this method to elicit requirements. This whole process makes sense. Now looking back at the vision, I can see how this process has produced requirements that are directly related to issues the system is trying to solve."

Global fit: Graduates will be able to take their degree and portfolio of projects and get hired into software development positions anywhere in the world.

Simulated Internship

In third year you will be asked to participate in a Simulated Internship, where you will test your ability to be successful on the job.

The goal of the coursework and Simulated Internship is to fully prepare you for placement interviews by making it obvious that you have the experience, expertise and confidence needed to be effective in the hiring manager's work environment immediately.

Knowledge Partners

CARTER | RADLEY





**FOCUS IS ON
PLACEMENT,
CAREER
& LIFE**



FOCUS IS ON YOU

On completion of 4 years academic program, you will be holding a degree in B.Tech - Computer Science with Specialisation in Software Development Program with a work experience of 2 years....

YEAR 1

- You join MMU's new Software Development Program
- Right away you are working in small teams on realistic and fun projects, creating professional deliverables using professional tools and processes
- You start a portfolio describing the projects you've worked on that you can share with hiring managers when you go for placements

YEAR 2

- You work on projects in different roles and in different disciplines, advancing your knowledge and skills as you go
- The complexity of the projects increases. The software you write is measured in hundreds and thousands of lines of code
- You use and create professional documentation to communicate design, implementation and project topics
- You use professional tools and processes to ensure product quality

YEAR 3

- You continue to practice your skills by participating in team development activities and advanced projects
- You demonstrate what you have learned by participating in a Simulated Internship, helping you determine your strengths and areas for improvement for transitioning to a real work environment

YEAR 4

- You bring your portfolio of the real projects you have done to your interviews, and you are able to talk about them in detail
- You choose specializations of your interest that can help you when you move into industry. For example:
 - Mobile Development
 - Data Science
 - Business Analytics
 - Security
 - Bio Sciences (Medical)
 - Project Management
 - Dev Ops
 - Others ...

YEAR 5 (You are Industry ready and your Journey to success starts now)

- You are head and shoulders above your peers in industry because you have already experienced the professional work environment
- You know how to develop software products, how to solve problems, how to work in teams and how to behave as a professional
- You know how to learn on your own, how to help others, and how to meet your goals

You will be working in a Fail-Safe Environment.

"Make mistakes in your course work, not on the job".

B.Tech - COMPUTER SCIENCE WITH SPECIALIZATION IN SOFTWARE DEVELOPMENT PROGRAM LAYOUT

FOURTH YEAR

SUMMER					
SPRING	PROJECT SUCCESS	HIGH PERFORMANCE ENGINEER	INNOVATION	ELECTIVE	ELECTIVE
FALL	DISCRETE MATH	COMPUTER SYSTEMS	H/C INTERACTION	ELECTIVE	ELECTIVE

THIRD YEAR

SUMMER	24 WEEK SIMULATED INTERNSHIP				
SPRING					
FALL	STATISTICS II	NETWORK & SECURITY	DATA BASE & CLIENT/SERVER	ELECTIVE	ELECTIVE

SECOND YEAR

SUMMER					
SPRING	STATISTICS I	DATA STRUCTURES	ARCHITECTURE & DESIGN	NATURAL SCIENCE II W/LAB	HUMAN FACTORS
FALL	CALCULUS III	APP. DESIGN CHOICES	PERFORMANCE	NATURAL SCIENCE I W/LAB	ETHICS

FIRST YEAR

SUMMER					
SPRING	CALCULUS II	APPL. DEVELOPMENT	S/W TESTING AND TOOLS	PHYSICS II W/LAB	COMMUNICATIONS II
FALL	CALCULUS I	COMP. PROB. SOLVING	CS PROFESSIONALISM	PHYSICS I W/LAB	COMMUNICATIONS I

 SOFTWARE DEVELOPMENT (SD) COURSES
 SIMULATED INTERNSHIP
 MATHEMATICS, CALCULATION & LOGIC COURSES

 LIBERAL ARTS, BUSINESS OR TECHNICAL SPECIALIZATIONS
 SCIENCE COURSES

SELECTION/ELIGIBILITY CRITERIA

- Minimum 60% marks or equivalent CGPA in aggregate in Physics, Chemistry & Maths with pass in English in 10+2/K12/Equivalent from a recognised Board/University.
- For Indian Students merit List on the basis of merit in JEE (Main) 2017. For seats remaining vacant the merit on the basis of marks in the qualifying exam.
- For Overseas Students merit on basis of marks in qualifying exams.

Note: 1. For candidates who have passed their qualifying exam in medium other than english, valid TOFEL/IELTS score is mandatory otherwise they will be required to do a bridge course in English.
2. Final selection will be made on the basis of personal interview to judge the suitability of the candidate for the program.

TUITION FEE - Per Annum

FOR STUDENTS FROM INDIA

US\$ 2500 or equivalent

FOR STUDENTS FROM OTHER COUNTRIES

US\$ 5000



Sr. No. _____

MAHARISHI MARKANDESHWAR UNIVERSITY

ADMISSION FORM FOR B.Tech - COMPUTER SCIENCE
WITH SPECIALISATION IN SOFTWARE DEVELOPMENT PROGRAMME

(To be filled in by the candidate in his/her own handwriting in Block letters)

1. Name of the Candidate _____

2. Father's Name _____
(Please specify in details)

3. Father's Occupation _____

4. Mother's Name _____

5. Date of Birth _____ 6. Nationality _____ 7. Religion _____

6. Tick whichever is applicable

Male Female Transgender

7. JEE Main Exam. Details

Roll No. _____ Marks. _____



8. Details of Examination Passed:

Name of Examination Passed	School/College from which passed	Month/Year of Passing	Univ./ Board	Maximum Marks	Marks Obtained	%Marks & Division
Class 10 or O Level						
Class 12 or A Level or Equivalent*						
Any Other						

*Mention name of the degree/certificate

9. Full Postal Address for Correspondence _____
_____ City _____ Country _____ Zip Code _____
Phone/Mobile(with Country Code) _____ Email ID : _____

10. Permanent Address _____
_____ City _____ Country _____ Zip Code _____
Phone/Mobile(with Country Code) _____ Email ID : _____

(Signature of the Father/Mother/Guardian)

(Signature of the Applicant)

Declaration by the Applicant:

- I declare that entries made by me in this Application Form are true and correct in all respects and in case any entry or information given by me in this form is founded to be false, this shall entail automatic cancellation of my admission rendering me liable to such action as the University may deem proper.

(Signature of the Father/Mother/Guardian)

(Signature of the Applicant)

THE MM ADVANTAGES

The MM Group of Institutions stands as a cynosure of all stakeholders in the field of education. With a strong focus on teaching-learning effectiveness, student satisfaction and R&D, the MM Group offers unparalleled advantages to students in terms of skills-development and employability. There are also very conscious efforts to groom students into responsible citizens of our global society.

5 MILLION SQ. FT. BUILTUP AREA	WORLD CLASS 1500 SEATER AUDITORIUM	20+ SEMINAR HALLS	Wi-Fi CAMPUS (200 MBPS)
HOSTELS FOR 6000+ STUDENTS	INTERNATIONAL HOSTEL	WORLD CLASS SPORTS COMPLEX	16 ACRE STADIUM
SHOPPING CENTRES	FOOD JOINTS	POST OFFICE	3 BANKS WITH 5 ATMs
84+ DELUXE BUSES	EDC ENTREPRENEURSHIP DEVELOPMENT CELL	8 INHOUSE JOURNALS	TCS ACCREDITED
WIPRO MISSION 10X	MMU INCUBATION CENTRE	CENTRES OF EXCELLENCE NATIONAL INSTRUMENTS (USA)/ Google for Education/TI university program/BOSCH/CISCO/ValeurHR/Meril	
MMU CAMPUS BUSINESS PARK	KNOWLEDGE PARTNERS INFOSYS Campus Connect/IIT Mumbai/IIT Delhi/KPIT/NPTI/SAP/NRDC/Carter Radley		

MM UNIVERSITY

DEEMED TO BE UNIVERSITY ESTABLISHED UNDER SECTION 3 OF THE UGC ACT, 1956
(NAAC Accredited Grade 'A' University)




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Website: www.mmumullana.org

HOW TO REACH: 85 KM - From Chandigarh Airport & 200 KM - From New Delhi Airport.

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