Devi Ahilya Vishwavidyalaya, Indore
School of Computer Science & Information Technology
www.scs.dauniv.ac.in

M.Tech. (Executive) in Computer Science

School of Computer Science & Information Technology is a university teaching department of Devi Ahilya University.

School of Computer Science and IT was established in 1986 to promote technical education and research in the important and fast growing branches of Information Technology. The school is supported by UGC-SAP and DST-FIST.

The school offers wide range of Post-Graduates programmes (M.Tech., MCA, M.Sc.(CS), M.Sc.(IT), MBA(CM) and PGDCA) and Under-Graduate programmes (BCA and BCA(Hons.). These programmes provide appropriate specialization for students with a wide range of backgrounds and career aspirations.

The School of Computer Science & IT aspires to produce world-class professionals who have excellent analytical skills, communication skills, team building spirit and ability to work in cross-cultural environment. It promotes learning through teaching and creating & sharing knowledge. The school provides world-class facilities and resources to its students and faculty so

as to produce international quality IT professionals, who can independently design, develop and implement computer applications in business and scientific domain. The mission is to build Professionals who dedicate themselves to mankind
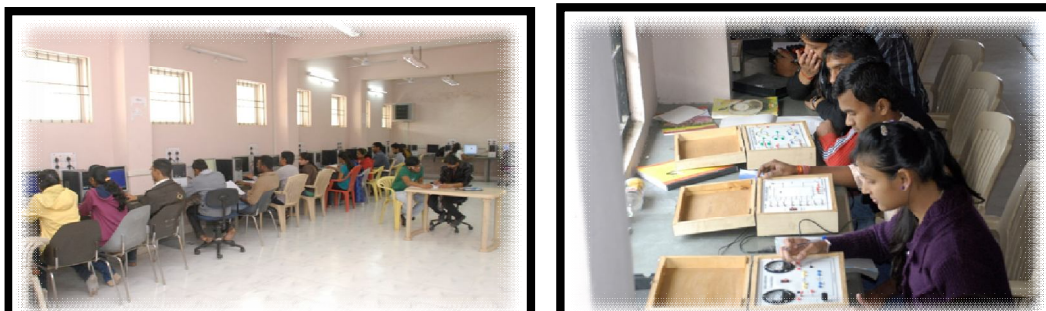
M.Sc. (Computer Science) was started in the School in 1987 (along with five other Universities in the Country) with Rs. 2 Crore funding from DRDO. M.Tech. (Computer Science) Course started in 1992 was the first one in Country. School provide Ph.D. Programme under the guidance of experienced faculty members since 1990. The school is a premier MCA Institute in Madhya Pradesh. Other than M.Tech. in Computer Science the school also offers new specialized M.Tech. courses in Network Management & Information Security and Software Engineering & Information Architecture

The school has highly qualified, experienced and dedicated faculty along with excellent computing facilities and well-equipped laboratories for improving quality in education.

The up gradation of syllabus, curriculum, teaching days and adherence of academic calendar is noteworthy peculiarity of the department. The school follows the best practices recommended by National bodies for framing the new curriculum. The entire curriculum is available for the students on website of the school. It has excellent track record of timely declaration of results. The School follows an effective student feedback mechanism as well.

Department has eight computer laboratories. There is separate research laboratory for research scholars. WiFi and cable internet is available in all the class rooms, library and laboratories.

Alumni of the school are working in premier National Scientific Organizations like DRDO, CAT, NRCS etc. and MNCs like Microsoft, Oracle, TCS etc.

Departmental library is fully automated. Over 15,000 text books & reference books are available in the library. Subscription to online journal is also available, which includes access to topmost journals in computer science like ACM, IEEE & Elsevier. School has fetched several research projects from MHRD, DST, and UGC. Overall, regular and continuous efforts are made to progress towards academic excellence.

The University's Green University Policy is crafted to contribute in environment protection and efficient use of energy. The objective is to develop and maintain clean, green and sustainable campuses of Devi Ahilya University.

School of Computer Science & IT has initiated a two-year M.Tech. programme in Computer Science for working executives from session 2018-19.

The Need for Executive M.Tech. (Executive) in Computer Science

The M.Tech executive programme in Computer Science is designed for professionals, who have basic degree in Computer Science and are working in IT/ITES field.

The students/professionals aspiring to upgrade their skill set and acquire knowledge in the emerging areas like Cyber Security, IoT, BigData, Machine Learning, and Cloud Computing can take admission in this programme. These areas offer tremendous job opportunities.

The teaching/learning in the subjects will be supplemented with expert lectures by leading industry experts, hands on sessions over and above taught by regular faculty.

A student is expected to earn credits from theory-cum-practical classes, online courses and project work. The classes will be held over the weekends (or other timings suitable for working professionals). About 12-14 hours teaching-cum-practical classes per week will be conducted. The tentative syllabus for the programme is framed and included with the brochure.

Salient Features of the Programme:

Duration of the programme: Minimum Duration: 2 Years & Maximum Duration: 4 Years.
The academic activities (examination, evaluation and other related activities) will be governed by Ordinance 14 of Devi Ahilya University.

Degree Requirements: 96 Credit Hours (80 Valid Credit Hours +16 virtual Credit Hours).

The progamme is flexible. The study may take total 96 Credit Hours in two to four years (keeping minimum 12 credit hours per semester).

AGE LIMIT: As per the directives of Government of Madhya Pradesh, there is no upper age limit for admission in the programme.

Number of Seats: Seats are limited to 15.

Quota of Seats:

Total No. of Seats	UR		ST		SC		OBC		NRI	PH	JKR	JKM	EW
	OP	F	OP	F	OP	F	OP	F					
15	4	3	2	1	3	1	3	1	2	1	1	1	1

The Eligibility for each Programme is:

- B.E./ B. Tech (CSE/ IT/ Comp. related subjects) / M.C.A/ M.Sc.(CS/IT) with 55 % marks in aggregate.
- The candidate must have a minimum work experience of 2 years in industry and be employed at the time of applying.
- No Age Limit is applicable for the candidates.

Admission Procedure:

Admission will be based upon merit list, prepared after entrance test and/or interview conducted by department. The merit list will be prepared considering 50% weightage of percentage of marks in qualifying exam and 50% weightage of the test/ interview and experience. The bifurcation of Total 200 marks will be as follows:

Category	Qualifying examination	Written Test and/or Interview	Service Experience*	Total
Max. Marks	100	80	20	200

* Service experience - 2 marks per year limited to max. 20 marks.

A written test covering the core computer science subjects like, Programming, Database management system, Operating Systems, Discrete structures, theory of computation, compiler design, Computer Network & Computer Architecture will be conducted. An interview may be conducted after they qualify the written test.

Fees Structure

Semester	Academic Fee	Development & Maintenance Fee	Students' Services Fee		Examination Fee	Total (Rs.)	
			Boys	Girls		Boys	Girls
First	15000	12500	3300	3111	2500	33300	33111
Second	15000	12500	2911	2722	2500	32911	32722
Third	15000	12500	3300	3111	2500	33300	33111
Fourth	15000	12500	2911	2722	2500	32911	32722

- Caution money (Refundable) of Rs. 4000/- will be charged additionally in the first semester.
- Alumni Fee of Rs. 500/- will be charged extra in the first semester.
- If a student repeats a paper(s) in a semester, an additional fee of Rs.500/- per paper shall be payable.
- Candidates have to separately bear the fee for registering for MOOC courses.

- For NRI/ FN/ PIO Candidates, a fee of US$ 3500 Per Annum shall be payable on yearly basis. They will have to pay a refundable deposit of US$ 500 once at the time of admission.
- Hostel Fee and Central Library Fee will be extra.

Instructions for ST/SC/OBC Candidates

Reservation of seats in courses offered by the University is in accordance with the policy of Madhya Pradesh government. The benefits of reservation are available, only to the domiciles of Madhya Pradesh.

The fees structure mentioned at our website is applicable for all the students. However, for SC/ST/OBC (non-creamy layer) students partial fees amount is reimbursed from M.P. Tribal Welfare Department as per M.P. Govt. rules and regulation after they apply and are eligible as per M.P. Govt. guidelines.

Procedure for Refund/ Cancellation

The candidate should submit an application for cancellation along with **original fee receipts**. He/She may retain the duplicate copy of the fee receipt before the last date of admission announced by the university. A refund after deduction of 10% of fee will be made to a student **only if the seat is filled up by another candidate** or their admission is cancelled due to non-fulfillment of the eligibility criteria. However, this procedure may change as per the state government directive received from time to time.

Procedure for Interdepartmental Fee Transfer

A student can cancel admission in one department and take up admission in other department of the university without any deduction of fee. The partial/full fees deposited in one department can be transferred to other department. However, the student needs to submit the application to both departments for cancellation (submit original fee receipt) as well as admission in other department (submit photocopy of fee receipt) to facilitate the timely transfer of fees.

List of documents required during the Admission:

You are advised to bring the following documents and **2 Self Attested set of photocopies** :

1. MP Online Payment Receipt OR Admit Card - *for verification*
2. Date of birth Certificate (10th class Mark sheet) - *for verification*

3. All mark sheets of Qualifying Examination - *for verification*

4. SC/ST certificate from competent authority, if applicable - *for verification*

5. Two passport size photographs.

6. Migration Certificate - Original to Submit

7. Transfer Certificate – Original to Submit

All documents required *for verification* will be returned back, after the verification process at admission time.

Master of Technology (Executive) in Computer Science Course Curriculum (Tentative)

Semester	Course Title	Course Type	Credits
Semester I	Cloud Computing	Core	4
	Web Technologies & Java Security	Core	4
	AngularJS	MOOC	4
	Operating Systems/ Linux	MOOC	4
	Mini Project	---	4
	Comprehensive Viva Voce	---	4 (Virtual Credit)
Total Credit (Semester – I)			**24**
Semester II	Software Testing & Quality Assurance	Core	4
	Artificial Intelligence /Machine Learning	Core	4
	Software Processes and Agile Practices	MOOC	4
	Android Programming	MOOC	4
	Mini Project	---	4
	Comprehensive Viva Voce	---	4 (Virtual Credit)
Total Credit (Semester – II)			**24**
Semester III	Advanced Database Management System / Algorithms	Core	4
	Network Security/ Cyber Security/ Bitcoin and Cryptocurrency Technologies	MOOC	4
	Major Project Phase – I	---	12
	Comprehensive Viva Voce	---	4 (Virtual Credit)

	Total Credit (Semester – III)		**24**
Semester IV	Data Science with R programming and Python / Big Data Technologies	Core	4
	Introduction to programming with MATLAB / Image and Video Processing	MOOC	4
	Major Project Phase – II	---	12
	Comprehensive Viva Voce	---	4 (Virtual Credit)
	Total Credit (Semester – IV)		**24**
	TOTAL CREDITS		**96**

Important Note:

1. The course curriculum presented in the above Table is designed for 2 year (4 semester) programme. However candidates can opt for courses in a flexible manner (keeping minimum 12 credits per semester) spread over 4 years (8 semester).

2. Course Curriculum of the Programme is subject to revise by departmental Committee.

3. MOOC courses can be revised by departmental committee periodically.

4. Admitted students must inform the course coordinator about the chosen course and can opt for a particular MOOC course only after approval from departmental committee.

Contact Details:

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