



MADURAI KAMARAJ UNIVERSITY
(University with Potential for Excellence)



COMPUTER CENTRE
MCA

PROSPECTUS -2007-2008

I.a) FACULTY

A team of full-time faculty members assisted by eminent visiting professors and specialists in computer science and engineering from several institutions form the core of teaching faculty. The faculty will deliver lectures apart from training the students extensively in courses, assigning them projects, working demonstrations, seminars etc.

b) RESEARCH ACTIVITIES

The Computer Centre has infrastructure facility for research. The Centre at present has part-time Ph.D., students working in the area of Medical Image Processing, Computer simulation and modeling

c) SYSTEMS AVAILABLE

- (i) The Computer Centre is equipped with the following modern facilities. (a) Network Lab
(b) DBMS Lab.
- (ii) Multimedia Lab. Most of the commonly used software are available in the Centre. The students are given unlimited time for practicals.

d) LIBRARY FACILITIES

Apart from the University Dr. T. P. M Library, the Centre has its own library with more than 3000 books on Advance Computer Science.

e) PROJECT / PERMANAET PLACEMENT

As a part of the curriculum, the students will be placed for project during the final semester of the course in well established industries and recognized R&D institutions.

Campus interviews are being arranged for the students. The Alumni of the University are well placed in the elite software development houses of both India and abroad.

The IT industries which have visited our campus in the earlier years are

1. Advanced Information Services
2. American Mega Trend India Pvt. Ltd.
3. Aztec Software and Technology Services Pvt. Ltd.
4. BFL Software
5. Brila Soft, Chennai.
6. Cognizant Technology Solutions (India)Ltd.
7. HCL Technologies Indian Pvt. Ltd.
8. IBM Global Services India Pvt. Ltd.
9. Larsen & Turbo Information Technology Ltd.
10. MASCOT Systems Pvt. Ltd.
11. Patni Computers Systems Ltd.
12. Polaris Software Systems Ltd.
13. HP India, Bangalore.
14. Trigent Software Ltd.
15. Unit Trust of India
16. Wipro Infotech Software and Services
17. E-funds International India Pvt. Ltd.,
18. Xansa, Chennai.

II. COURSE REQUIREMENTS

Candidates who are appearing for the final year UG degree exam during April/May 2007 can also apply. Candidates who have studied under 10+2+3/4 pattern are only eligible for admission.

a) ELIGIBILITY

The candidates should be graduate in any discipline of Madurai Kamaraj University with Mathematics as compulsory subjects at 10+2 level or should have passed the degree examination equivalent to that of Madurai Kamaraj University with Mathematics as compulsory subject at 10+2 level OR any degree with Computer Science/ Applications as Major / Vocational Subjects.

The syllabus content of the subject (i) Business Mathematics & Operational Research (ii) Business Mathematics & Statistics / Numerical Methods and Mathematics at +2 level are different. Hence the student who have studied (i) & (ii) are **NOT ELIGIBLE**.

b) DURATION OF THE COURSE

The course is divided into 6 semesters spread over three years. (beginning the first semester in July, and the second semester in January)

The MCA course is conducted under Choice Based Credit Systems (CBCS). Choice Based Credit System is a new feature in the Higher Education where the student is given full autonomy in choosing the course. A student can choose the subjects according to his aptitude and requirement. The students are exposed to different areas of knowledge during their studies. To be eligible for the degree, the student has to complete the 108 credits. The students have to choose core paper for 90 credits from the main discipline and the rest of 18 credits can be from any area like Computer Science, Languages, History, Mass Communication, Sociology, etc. Under the CBCS, the courses are framed to include Seminars, Field Work, Dissertation and other Laboratory / Field Based Methods. From the student's point of view, there is more transparency in all the academic activities. This will help the students to appear for the competitive examinations like Civil Services and other State and Central Services. For further details, the aspiring candidates may contact the respective Head of the Department.

c) ACADEMIC DETIALS

First Semester

1. Spoken English
2. Mathematical Foundations of Computer Science
3. Digital Electronics
4. Programming in C
5. Communication Skills
6. Lab- I: C- Language
7. Lab-II: RDBMS
8. Elective – I

Third Semester

1. Computer Oriented Numerical Methods
2. Operating Systems
3. Java Programming
4. Software Engineering
5. Lab-V: Java Programming
6. Lab- VI: Software Development Lab
7. Elective-III Client Server Technology

Fifth Semester

1. Network Pro gramming
2. Embedded Systems
3. Compiler Design
4. WEB Technology
5. Lab- IX: Computer Network Laboratory
6. Lab- X: CGI/HTML Programming
7. Elective- V

Second Semester

1. Personality Development
2. Operations Research
3. Computer Organization
4. Data Structure in C++
5. Financial Accounting
6. Lab-III: Data Structure in C++
7. Lab-IV: VC++ Programming
8. Elective – II

Fourth Semester

1. Computer Networks
2. Computer Graphics
3. Unix & Shell Programming
4. Digital Image Processing
5. Lab-VII: Unix & Shell Programming
6. Lab-VIII: Computer Graphics
7. Elective –IV

Sixth Semester

1. Project & Viva Voce
Industrial Project Work Six months duration

Elective – I

- a. Database Management System
- b. Graph Theory
- c. Design & Analysis of Algorithm
- d. Data Processing
- e. Selected Topics

Elective – II

- a. Visual Programming
- b. Micro Processor & Design
- c. Distributed Database & Design
- d. Principles of Programming Language
- e. Selected Topics

Elective – III

- a. Client/ Server Technology
- b. Object Oriented Analysis & Design
- c. Decision Support System
- d. Modeling & Simulation
- e. Selected Topics

Elective – IV

- a. System Software
- b. Digital Signal Processing
- c. Robotics and Applications
- d. Management Information Systems
- e. Selected Topics.

Elective – V

- a. Data Mining and Data Warehousing
- b. AI and its application
- c. Enterprise and Resource Planning
- d. Parallel Processing
- e. Selected Topics.

The regulations, scheme of examinations and syllabi for the course are as prescribed by the University from time to time.

III. ADMISSION PROCEDURE

PROCEDURE FOR OBTAINING PROSPECTUS AND APPLICATION FORM

The prospectus and the application form can be downloaded from the website <http://www.mkuniversity.org> from 21.1.2007. Xerox copy of the downloaded application can also be used.

Note: Candidates experiencing problems in downloading the application form, can request for a copy of the prospectus and application form from the Head, Computer Centre, Madurai Kamaraj University, Madurai-62 021, by producing a demand draft in favour of Registrar, Madurai Kamaraj University / SBI A/c No. 1 Chalan for Rs.35/- (in person) or Rs.50/- (by post) along with the requisition letter.

The Demand Draft should have been obtained after the date of notification (21.1.2007) and on or before the last date for receipt of filled-in application(14.2.2007).

Note: Cheques, Postal orders, money orders and cash will not be accepted.

IV. ENTRANCE TEST

Applicants seeking admission to M.C.A. course are required to appear for the Entrance Test to be conducted by the Madurai Kamaraj University on 18th March 2007 in selected cities all over India.

The entrance test will be of objective type for period of 100 minutes. It will have a component of Mathematics at the 10+2 level constituting 30%, a component of logical reasoning / analytical ability at the level of bachelor's degree constituting 30%, a component of proficiency of English at the level of Bachelor's degree constituting 10% and a component of introductory knowledge of computers and computer application at introductory level constituting 30%.

Short listed candidates will be invited to appear for a Group Discussion and Personal interview to be conducted in Madurai.

V. PROCEEDURE FOR SUBMITTING FILLED-IN APPLICATION FORM FOR ADMISSION.

- a) Applicants are requested to read carefully the rules of eligibility and other instructions given in the prospectus.
- b) Applicants who are willing to apply for more than one course should use separate application form for each course.
- c) Instructions for filling-up the application.
 - i) The entries in the application form should be made by the applicant in his/her own handwriting legible in ENGLISH.
 - ii) Details of the Xerox copies of the certificate submitted along with the application should be furnished in the relevant column of the application.
- d) Enclosure to be sent along with the filled-in application form.

The candidates have to submit Xerox copies of the following certificates duly attested by a Gazetted Officer along with the application form. Original certificates need not be sent.

- i) SSLC, HSE mark statement.
- ii) UG mark statement / grade certificate / provisional certificate.
- iii) Community certificate obtained from Tahsildar / Deputy Tahsildar concerned.
- iv) Certificate of Physically handicapped / Leprosy cured: Candidates who want them to be considered under the Physically Handicapped category should submit the certificate obtained from an authorized medical officer of the specialty concerned not below the rank of Civil Surgeon together with photograph showing the nature of handicap.
- v) Sports certificate: Candidates who want them to be considered under the Sport category should produce a certificate obtained from the University Physical Director in Form-I/II/III for having represented the State / Inter-University tournaments /athletics.
- vi) Military certificate: Certificats to be produced.
- vii) +2 marks statement (Compulsory)
- viii) The candidates should fill-up the hall-ticket attached to the application and send with the application.
- ix) Two self addressed, stamped envelopes, each for Rs. 10/- should be enclosed.
- x) A Demand Draft for Rs.600/- drawn in favour of the Registrar, Madurai Kamaraj University, payable at Madurai towards Registration fee should be enclosed. SC/ST candidates are exempted from the payment of Registration fee for only one course.
- xi) If a candidate wants to apply for more than one course offered by the University, separate application form should be submitted for each course. Demand draft for Rs. 600/- should be enclosed with each application. For SC/ST candidates, the exemption from payment of Registration fee is applicable only for one course and with additional applications, demand draft for Rs. 600/- should be attached with each application.

e) Photograph

Two recent passport size photographs of the applicant should be affixed; one on the column provided in the application form and the other in the Hall-Ticket.

VI. SUBMISSION OF FILLED-IN APPLICATION

- a) Application defective in any particular, will summarily be rejected.
- b) Filled in application should be sent on or before 14.2.2007 to

**THE REGISTRAR
MADURAI KAMARAJ UNIVERSITY
PALKALAINANGAR, MADURAI-625 021.**

VII. SELECTION PROCEDURE

- (a) The selection is based on merit on a 100 point scale with 80 marks for Entrance Test, 10 for group discussion and 10 for interview.
- (b) Candidates will be short listed based on their performance in the Entrance Test and invited for Group Discussion & Personal Interview by Madurai Kamaraj University at Madurai.
- (c) Tamilnadu Government Reservation Policy will be strictly followed for Admission to this course.
- (d) Selected candidates will be intimated individually by post. The list of Register Numbers of selected candidates will also be displayed on the Department Notice Board.
- (e) Candidates selected for admission will have to submit the following original certificates along with Xerox copies of the certificates only to the Head of the Computer Centre at the time of admission.
 - i) SSLC, HSE mark statement.
 - (ii) UG mark statements / grade sheets / provisional certificate.
 - (iii) Statement of Marks/ Grade certificate and provisional certificate.
 - (iv) Conduct certificate from the Head of the Institution last studied.
 - (v) Community certificate
 - (vi) If selected under special category, the relevant certificate
 - (vii) Such other certificates, as may be required by the university
 - (viii) In the case of candidates who have passed the qualifying examination from other universities they should produce the Eligibility certificate obtained from the Madurai Kamaraj University at the time of admission.
 - (ix) All admission made will be **Provisional** till the certificate, statement of marks /grades etc., submitted by the candidates are scrutinized and accepted. If any candidate is found to have got admission on false claim, the admission will be cancelled without prior notice.

(f) NRI/ Foreign Students

A limited number of seats are available under NRI/ Foreign students category. Students who wish to apply under NRI/ Foreign students category may download the prospectus and application form. Duly filled-in downloaded application may be forwarded to the Registrar by paying US\$ 200/- by demand draft drawn in favour of THE REGISTRAR, MADURAI KAMARAJ UNIVERSITY payable at MADURAI towards the application and registration fee.

NRI students may also request the Head of the Department for the hard copy by paying US\$ 200 by way of the demand draft towards the application registration fee.

Selection NRI candidates will be based on the marks secured in qualifying examination.

The following certificates are to be produced by the candidates under the NRI category

1. Valid passport of the sponsor with foreign visa (should be related)
2. NRI Status certificate in the county of stay of the sponsor.
3. NRI Statement of Bank account / Bank pass book of the Sponsor.

Fee Details for NRI category: US\$ 18,000 (One lump sum)

US\$ 6,500 (every year)

VIII. FEES DETAILS

On receipt of the intimation of provisional selection, the candidates should pay the prescribed fees within the date prescribed in the intimation letter. The candidates selected for admission who do not pay their fees within the stipulated time will automatically forfeit the admission offered. The fees details are given below:

Sl. No.	Name of the Fee	Fees, in Rs.	
		If paid in one installment Fees per year	If paid in two installments Fees for each installment
1.	Tuition Fee	15,000/-	7,600/-
2.	Lab Fee	4,000/-	2,100/-

In addition to the tuition and lab fees, the candidates have to pay the special fees ever year as prescribed below.

1. Library .. Rs. 150/-
2. Magazine .. Rs. 50/-
3. World University Service .. Rs. 10/-
4. Games .. Rs. 120/-
5. Student Aid Fund .. Rs. 10/-
6. Examination Stationery .. Rs. 90/-
7. Identity card .. Rs. 25/-
8. Youth activities .. Rs. 35/-
9. Admission .. Rs. 55/-
10. Infrastructure Facilities .. Rs. 500/-
11. Teaching Facilities .. Rs. 800/-
12. Caution deposit (refundable) .. Rs. 350/-

For the first year, the candidates should remit all the fees within the date as mentioned in the admission intimation. For the second installment and for the second year the fees must be paid within 10 days from the date of commencement of classes for the respective semesters.

Any fees or excess fees, once paid, will not be refunded, adjusted or transferred under any circumstances.

IX SCHOLARSHIPS

The Government of Tamilnadu sanction the scholarships to the eligible candidates belonging to Backward class and Most Backward class.

The students belonging to SC/ST communities are eligible to get the Government of Tamilnadu and the Government of India scholarships.

X. Hostel Accommodation:

Separate hostel facilities are available for men and women students in the University campus at Palkalainagar, Madurai – 625 021.

Those who need hostel accommodation in the University campus may approach the Warden of the respective hostels after completing admission formalities. Application form for requesting hostel accommodation will be available in their respective hostels.

XI. General:

- a) No candidate can undergo more than one course (full-time) at a time during the academic year and no one can take more than one examination at the same time.
- b) In all communications addressed to the University the course applied for and the registration number should be specified.
- c) The application forms without the Xerox copies of relevant certificates will not be considered.
- d) Certificates other than those required need not be enclosed.
- e) Eligibility certificates should be produced if the candidate belongs to other than Madurai Kamaraj University.
- f) The University reserves the right to suspend any course if sufficient number of application is not received.
- g) The University will not be held responsible for any delay or loss in postal transit.
- h) The decision of the University shall be final in all cases of admission.
- i) Fees once paid will not be refunded back at any circumstances.

IMPORTANT DATES

Admission notification	21.01.2007
Application download available from	21.01.2007
Last date for submitting filled-in application	14.02.2007
Entrance Test	18.03.2007

Prospectus & Application form can be downloaded from

<http://www.mkuniversity.org>

Palkalainagar
Madurai – 625 021.
Ph: 0452-2458471 (5 lines)

REGISTRAR
Madurai Kamaraj University



MADURAI KAMARAJ UNIVERSITY
(University with Potential for Excellence)



**COMPUTER CENTRE
MCA**

APPLICATION FORM FOR ADMISSION FOR THE YEAR 2007-08

To be sent to the Registrar, Madurai Kamaraj University, Madurai – 625 021

(to be filled-in by the candidate in his/her own handwriting legibly in ENGLISH only)

Entrance Test Centres		Preferences		<p>Space for affixing a passport size photograph</p> <p>The applicant should sign on the top of the Photograph.</p> <p>The attesting officer should sign at the bottom of the Photograph and affix the office seal.</p>
1. Madurai 2. Chennai 3. Bangalore 4. Kolkata 5. Hyderabad 6. Mumbai 7. New Delhi 8. Thiruvananthapuram		1.		
		2.		
		3.		

1.	Name of the Applicant (In Block letters in English only) (As per the University Certificate)									
2.	Address to which communication is to be sent with District, State and Pin-code E-mail									
3.	Place of Birth and District		4. Date of Birth and Age (in Christian era)							
5.	*Sex	Male	Female	6. Nationality						
7.	Religion		8. *Community <table border="1"> <tr> <td>OC</td> <td>BC</td> <td>MBC</td> <td>DNC</td> <td>SC</td> <td>ST</td> </tr> </table> <p>(Candidates from other states will be treated as OC)</p>		OC	BC	MBC	DNC	SC	ST
OC	BC	MBC	DNC	SC	ST					
9.	Name of the qualifying Degree with Subject (Major and Ancillary)		Major: Ancillary:							
10.	Whether the candidate studied under		<table border="1"> <tr> <td>Semester</td> <td>Non-Semester</td> </tr> </table>		Semester	Non-Semester				
Semester	Non-Semester									

11.	Percentage of marks in PART–III If the course is with internal marks / continuous assessment i. External Marks in % ii. Internal Marks in % (continuous assessment)	(Up to two decimals) (up to V semester in case of semester pattern / up to II year in case of non-semester pattern)				
12.	Mention whether the candidate has studied 10+2+3/4 pattern					
13.	Special Category	Physically Handicapped	Represented the University in athletics and games	Ward of MKU employee	Service/Ex-Service	NRI

* Tick (☐) the appropriate Box in Column Number 5, 8, 10 and 13

DECLARATION

I certify that the statements under items 1 and 4 made by the applicant whose photograph is affixed in this form are correct

Place:

Certifying officer signature with Office

Seal

Date :

Name in block letters

14.	Name, address with PIN code, occupation and monthly income of the Parent / Guardian											
15.	Does the applicant need Hostel accommodation?											
16.	Demand Draft Particulars	<table border="0"> <tr> <td>Name of the Bank</td> <td>Branch</td> </tr> <tr> <td>DD Number</td> <td></td> </tr> <tr> <td>Amount</td> <td>Date</td> </tr> </table>					Name of the Bank	Branch	DD Number		Amount	Date
Name of the Bank	Branch											
DD Number												
Amount	Date											

17.	Enclosures	<p>Attested Xerox copies of the following certificates should be enclosed and ORIGINAL CERTIFICATES NEED NOT BE SENT</p> <ul style="list-style-type: none"> a. Marks Statement / Grade b. Community Certificate c. Special Category Certificates d. Two self-addressed stamped envelopes for Rs. 10/- each e. Demand Draft for Rs.600/-
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NOTE: APPLICATIONS WITHOUT THE ABOVE ENCLOSURES (Sl. No.15 a-e if applicable) will be summarily REJECTED

DECLARATION BY THE APPLICANT

I declare that the entries made by me and the documents submitted in support of the information furnished by me in the application form are true in all respects and in case any entry or information or document is found to be false, this shall entail automatic cancellation of my admission besides rendering me liable to such action as the University may deem proper. I note that my admission to the University and my continuance on its roll are subject to the provisions of the University Statutes, Ordinances and other Rules and instructions, which may be issued from time to time. I shall abide by the rules of discipline and proper conduct, which may be framed in this regard.

Place:

Date:

SIGNATURE OF THE APPLICANT

DECLARATION BY THE PARENT / GUARDIAN

Particulars given above are correct and I declare that my son/daughter will abide by the rules of the University, if admitted.

Place:

Date:

SIGNATURE OF THE PARENT / GUARDIAN



Madurai Kamaraj University

(University with Potential for Excellence)

IDENTIFICATION CERTIFICATE



MASTER OF COMPUTER APPLICATIONS - ENTRANCE TEST – HALL TICKET-2007-2008

Register No.

Centre:

Space for affixing a passport size photograph. The applicant should sign on the top of the photograph. The attesting officer should sign at the bottom of the photograph and affix the office seal

This is to certify that the signature of Thiru/Tmt./Selvi

_____ S/o/D/o/W/o

_____ appearing for the MCA

Entrance Test given below is attested by me. The photograph of the candidate is also attested by me.

Specimen signature of the candidate

Place:

Date:

Signature of the identifying officer
with office seal

Name in Block letters:

Note: This Hall-Ticket should be enclosed with the application form.