

UNIVERSITY OF KERALA

DEPARTMENT OF COMPUTER SCIENCE (Sponsored by DST-FIST)

PROSPECTUS

M.Tech Computer Science (with Specialization in Digital Image Computing) Approved by AICTE

INTRODUCTION

The Department of Computer Science, University of Kerala offers two PG programmes in Computer Science, M.Tech and M.Sc. It has a strong doctoral research programme in Computer Science. Major Research projects in frontier areas like Image Processing, Artificial Intelligence, Fuzzy Systems, etc. are being carried out in the Department. This AICTE approved M.Tech is a four-semester programme with specialization in Digital Image Computing. The programme runs under the Credit and Semester System. The Department has specialized modern computing environment with Network facility established with support of various funding agencies.

No. of Seats: (as approved by AICTE)	Open	10
	Sponsored	5
	SC / ST	3

ELIGIBILITY

A Bachelor's degree in Engineering / Technology with at least 55% marks in one of the following branches: Computer Science and Engineering / Electronics Engineering / Electrical Engineering from the University of Kerala or equivalent recognized degree of a recognized University OR First Class Master's degree in Computer Science / Computer Application from the University of Kerala or equivalent recognized Degree by AICTE / UGC / CSIR.

Admissions for Non-sponsored category of students will be made on the basis of valid GATE score.

Candidates for sponsored seats will also be governed by the AICTE guidelines:

- (i) Bachelor's Degree in Engineering / Technology (in branches mentioned above) with at least 55% marks from AICTE approved institutions. Preference will be given to candidates who have qualified GATE.
- (ii) A minimum two-years of full time work experience in a registered firm / company / industry / educational and research institution / any Government Department or Government Autonomous Organization in the relevant field.
- (iii) Less than 45 years of age as on 1st day of the year of admission.

GENERAL

1. When GATE qualified candidates are not available, admission will be given to Non-GATE candidates on merit. Such admissions will be based on an entrance test conducted by the Department. Ranking will be done on the basis of marks obtained in the qualifying examination and the entrance test in the ratio 40 : 60. In case of Sponsored candidates ranking will be done on the following basis:
Qualifying exams: 40%, Entrance exams: 50%, Experience: 10% weightages.
(First two years 0%, each additional year carries 2% subject to maximum of 10 marks).
2. Along with application, a sponsored candidate shall produce a letter from the employer stating that the candidate is being sponsored to get admission to M.Tech programme. The employer should also indicate that the candidate will not be withdrawn mid way till the completion of the course.

SCHOLARSHIP

Students with valid GATE score may be provided with scholarship by AICTE / MHRD subject to availability of funding.

FEE STRUCTURE*

1. Tuition fee (per Semester)	Rs. 8500/-
2. Laboratory fee (per Semester)	Rs. 1000/-
3. Library fee (per Semester)	Rs. 500/-
4. Stationary fee (per Semester)	Rs. 500/-
5. Learning material (per Semester)	Rs. 250/-
6. Caution Deposit Library (Refundable)	Rs. 500/-
7. Caution Deposit Laboratory (Refundable)	Rs. 2000/-
8. Internet charges (per year)	Rs. 500/-
9. Affiliation fee	Rs. 300/-

Other Special fees as approved by University.

* Subject to revision by the University of Kerala.

Sponsored candidates: In addition to the fees mentioned above, a sponsorship fee Rs. 15,000/- per annum will be levied on the sponsored candidates.

HOW TO APPLY

- (i) Requests for application forms may be addressed to The Professor and Head, Department of Computer Science, University of Kerala, Kariavattom, Thiruvananthapuram – 695 581. The request should be sent along with the pay-in-slip of University Cash Counter or crossed DD issued by any branch of SBT or SBI or District Co-operative banks, drawn in favour of The Finance Officer, University of Kerala, payable at Thiruvananthapuram. The registration fee and fee for application form for M.Tech is **Rs. 300/-**. In case the candidates choose to send a DD, he / she should send a **DD for Rs. 310/-** and the name of person for whom the remittance is made and the purpose of remittance should be stated on the back of the DD. Request for application through post should be accompanied by self-addressed, stamped envelope.
- (ii) The application correctly filled along with attested copies of mark lists of all examinations (semesters / years) should reach “The Professor & Head, Department of Computer Science, University of Kerala, Kariavattom, Thiruvananthapuram – 695 581” on or before **20th July 2009**.
- (iii) Application form issued to a candidate is not transferable to another person.

UNIVERSITY OF KERALA

DEPARTMENT OF OPTOELECTRONICS

KARIAVATTOM - 695 581, THIRUVANANTHAPURAM Ph.
0471 2412167

PROSPECTUS

M. Tech. in Electronics and Communication (Optoelectronics and Optical Communication)

Approved by AICTE

INTRODUCTION

The Department of Optoelectronics, University of Kerala, was established in 1995 and offers M. Tech. and M. Phil, courses. Also this department has a very strong Doctoral Research programmes in the areas of Laser Technology, Fiber Optics and Fiber Optic Sensors, Photonic materials, Laser spectroscopy, Holography and Speckle Interferometry and Laser remote sensing. This department has a well equipped M. Tech. laboratory and a very good reference library.

DURATION OF COURSE

Two years (Four semesters under credit and semester system)

NUMBERS OF SEATS

Total numbers of seats available is 18 (eighteen), out of which 10 (ten) are for open category, 5 (five) for sponsored category and 3 (three) for SC/ST category.

ELIGIBILITY FOR ADMISSION

At least a second class B.E/B. Tech. or equivalent degree with 55% marks in Electronics/Electrical and Electronics/Electronics and Communication Engineering, Applied Electronics and Instrumentation or M. Sc. Degree in Physics/Applied Physics/Electronic Science or Electronics of the University of Kerala or equivalent. Minimum marks in the qualifying examination for the SC/ST candidates are 50%.

Admission for non-sponsored category of students will be made on the basis of GATE score. **When GATE qualified candidates are not available, admission will be given to Non-GATE candidates on merit. Such admissions will be based on an entrance test conducted by the Department and the marks secured in the qualifying examination.**

Candidates for sponsored seats must have a minimum experience of two years in relevant field and must be sponsored by the industry/training/research organizations. Maximum age for the sponsored candidate is fixed as 45 years as on the 1st day of the year of admission. A sponsorship fee of Rs. 1 5,000/- per year should be remitted by the sponsored candidates. Out of the 5 seats reserved under sponsored quota, 2 seats are reserved for candidates sponsored by Ministry of Defence, Government of India. Along with application, sponsored candidates should produce a letter from the employer stating that the candidate is being sponsored to get admission to M. Tech. Programme. The employer should also certify that the candidate will not be withdrawn mid way till the completion of the course.

Out of the 10 open seats, 5 seats will be allotted to M. Sc. students and 5 seats will be allotted to B. Tech. students. If sufficient numbers of candidates are not available from one category, those seats will be allotted to the candidates from the general list.

EXISTING FEE STRUCTURE FOR THE M. TECH. PROGRAMME.

1.	Tuition fee	Rs. 8500/- (per semester)
2.	Laboratory fee	Rs. 1000/- (per semester)
3.	Laboratory and Material fee	Rs. 2500/- (per year)
4.	Library fee	Rs. 500/- (per semester)
5.	Stationery fee	Rs. 1000/- (per semester)
6.	Internet charges	Rs. 500/- (one time fee)
7.	Learning materials	Rs. 250/- (one time fee)
8.	Caution deposit: Library	Rs. 2000/- (refundable)
9.	Caution deposit: Laboratory	Rs. 3000/- (refundable)
10.	Affiliation fee	Rs. 300/- (one time fee)
11.	Admission fee	Rs. 200/- (one time fee)
12.	Sponsorship fee	Rs. 30,000/- (Can be paid in 2 equal installments of Rs. 15, 000/- per year)
13.	Other Special fees	Rs 670/- (per year)

The candidates selected under sponsored quota should remit Rs. 15,000/- at the commencement of each academic year in addition to the regular tuition fee and other fees.

Note: If a candidate joined for M. Tech. Course discontinues after the date of closing of admission to respective year is liable to remit the entire fee for one year.

Application forms can be obtained from "**The Professor & Head, Department of Optoelectronics, Kariavattom, Thiruvananthapuram - 695 581**" on handing over the Challan receipt of university cash counters at Kerala University Office Complex Palayam, Thiruvananthapuram or Kariavattom Campus by remitting the cost of application form and registration fee of Rs.500/-. Candidates who desire to obtain the application form by post have to apply along with stamped self addressed envelope with a Demand Draft of Rs.510/- in favour of **Finance Officer, University of Kerala, Thiruvananthapuram**, from SBI, SBT or District Co-operative banks payable at Thiruvananthapuram. Filled up application along with the attested true copies of following certificates:-

1. SSLC
2. Plus two
3. B. Tech./M. Tech. degree certificates and mark lists of all semesters
4. Conduct certificate
5. Transfer Certificate (TC)
6. Eligibility (for degrees other than that of University of Kerala)
7. Caste certificate (for availing reservation)
8. Income certificate (for availing reservation)

should reach **The Professor & Head, Department of Optoelectronics, University of Kerala, Kariavattom, Thiruvananthapuram - 695 581**.

Application form issued to a candidate is not transferable to another one.

Issue of application forms from 19-06-2009

Last date of receipt of application is 20-07-2009

Entrance test for non GATE applicant 30-07-2009

Professor & Head

UNIVERSITY OF KERALA
DEPARTMENT OF FUTURES STUDIES
PALAYAM, THIRUVANANTHAPURAM

PROSPECTUS

1. PROGRAMME: M.Tech (TECHNOLOGY MANAGEMENT)

2. GENERAL INFORMATION

The AICTE approved M.Tech. Programme in Technology Management specialises in Strategic Technology Management by covering areas like Technology Forecasting and Assessment as well as Mathematical / Computer Modelling, Expert System etc. The Department is located in the Senate Hall Campus of the University at Palayam.

3. ELIGIBILITY FOR ADMISSION

B.Tech Degree or equivalent in any branch of engineering with at least 55% marks.

4. MODE OF SELECTION

Admission is based on the GATE score of the candidates. In the absence of sufficient GATE qualified candidates, the admission will be based on an entrance test of 90 minutes duration conducted by the University on 31st July at 11am. Out of fifteen seats, five seats are reserved for candidates working in industry and other research organizations who should be sponsored by their respective organizations. The reservation for SC/ST and other categories will be as per University rules.

5. DURATION OF THE PROGRAMME

The Programme shall spread over four semesters (2 Years)

6. HOW TO APPLY

Application can obtained from the Head of the Department of Futures studies by producing a DD for Rs. 300/- (including registration fee) from SBT/SBI/District Co-

operative Bank drawn in favour of the Finance Officer, University of Kerala **OR** a University Challan for Rs. 300/-. A self addressed stamped envelop (for Rs.10/-) should be sent along with the request for application. The application foam can also be downloaded from the Kerala University website. Completed application should reach the Head of the Department of Futures studies on or before 20th July 2009.

7. FEE STRUCTURE

1. Registration Fee (including cost of Application.....Rs. 300
2. Tuition Fees..... Rs.1500 (Per Semester)
3. Stationery Fee.....Rs.500 (Per Semester)
4. Computer Laboratory Fee.....Rs.500 (Per Semester)
5. Library Fee.....Rs.300 (Per Semester)
6. Examination Fee.....Rs.975 (Semester I)
Rs.875 (Semester II)
Rs. 550 (Semester III)
Rs. 475 (Semester IV)
7. Admission Fee.....Rs. 50 (Per Year)
8. Quasi University Fees.....Rs. 150 (Per Year)
9. Sports and Games FeeRs. 75 (Per Year)
10. Magazine Fee.....Rs. 30 (Per Year)
11. Campus Union Fee.....Rs. 10 (Per Year)
12. Audio Visual Fee.....Rs. 10 (Per Year)
13. Students Aid Fund.....Rs. 20 (Per Year)
14. Dept. Union Fee.....Rs. 40 (Per Year)
15. Medical Examination Fee.....Rs. 10 (at the time of Admission)
16. Women's Study Unit.....Rs. 10 (Per Year)
17. University Union Fee.....Rs. 50 (Per Year)
18. Students Group personal Insurance Policy Scheme.....Rs. 25 (Per Year)
19. Sports Affiliation Fee.....Rs. 50 (Per Year)
20. Students Affiliation Fee.....Rs.400 (at the time of Admission)
21. Caution Deposit (Refundable)Rs. 1000
22. Addl. Fee for Sponsored CandidatesRs. 15000 (Per Year)

UNIVERSITY OF KERALA
Department of Computer Science / OptoElectronics / Future Studies
Application for Admission to M.Tech for the year 2009

OPEN

SPONSORED

SC/ST

Last Date: 20.07.2009

Name of Applicant:

Mode of payment of Application } : DD / Pay-in-slip
 and Registration fee }

Amount:

DD / Pay-in-slip No.:

Dated:

Bank:

Affix Passport Size
Photograph here

1. Name of the University Department to which application is being submitted and Name of the course (Refer prospectus)	
2. Name of Applicant (In block letters with initials last)	
3. Address to which communications are to be sent Telephone number if any E-mail address if any	
4. Permanent Address	
5. Age and date of birth (In figures and words)	
6. Sex	
7. Nationality	
8. Father's / Guardian's name and address	
9. Occupation and annual income of parent	
10. Name and address of Local guardian, if any Telephone number if any	

11. Have you been in receipt of any scholarship or fee concession ? If so, give details	
12. Do you belong to Scheduled Caste or Scheduled Tribe ? Write Yes or No . If Yes state the community.	
13. Particulars of GATE score/UGC/CSIR pass	
14. Are you a Matriculate of this University	
15. Institution through which Matriculated with year	
16. If employed, give details (i) Organization (ii) No. of years of experience	

17. Educational Qualifications

Examination Passed	Main Subject	Class/ Rank	% of Marks	Year of passing	College/ Institution	University
18. State whether the Institution where you have studied is approved by AICTE or not.						
19. Any other information the candidate may wish to add						

DECLARATION

I do hereby declare that the statements made in the application are true to the best of my knowledge and belief.

Place:

Date:

Signature of the applicant

For office use only

Date of Receipt of application :

Date of admission :

Admission No. :

Remarks :

Head of the Department

UNIVERSITY OF KERALA
Department of Computer Science

Entrance Test for admission to M.Tech for the year 2009
HALL TICKET FOR NON-GATE CANDIDATES

This hall ticket should be brought at the time of entrance test with **photo and signature attested by a Gazetted Officer.**

Section I

Date of Test: 29.07.2009 Wednesday

Time: 10.30 am

Application No.

Place: Dept. of Computer Science, University of Kerala
Kariavattom, Thiruvananthapuram

Category : Sponsored / SC / ST / General

Name of Candidate :

Address :

Signature of the candidate
(To be signed in the presence
of Identifying Officer)

I certify that the photo and signature are that of _____

Identifying Officer's Name _____

Designation _____

Affix Passport Size
Photograph here

(Office Seal)

Signature of the Identifying Officer
(To be signed on the photograph)

Section I to be detached and handed over to the Invigilator at the time of examination

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Section II

Date of Test: 29.07.2009 Wednesday

Time: 10.30 am

Application No.

Place: Dept. of Computer Science, University of Kerala
Kariavattom, Thiruvananthapuram

Name of Candidate :

Address :

Signature of the Candidate

UNIVERSITY OF KERALA
Department of OptoElectronics

Entrance Test for admission to M.Tech for the year 2009
HALL TICKET FOR NON-GATE CANDIDATES

This hall ticket should be brought at the time of entrance test with **photo and signature attested by a Gazetted Officer.**

Section I

Date of Test: 30.07.2009 Thursday

Time: 10.30 am

Application No.

Place: Dept. of OptoElectronics, University of Kerala
Kariavattom, Thiruvananthapuram

Category : Sponsored / SC / ST / General

Name of Candidate :

Address :

Signature of the candidate
(To be signed in the presence
of Identifying Officer)

I certify that the photo and signature are that of _____

Identifying Officer's Name _____

Designation _____

Affix Passport Size
Photograph here

(Office Seal)

Signature of the Identifying Officer
(To be signed on the photograph)

Section I to be detached and handed over to the Invigilator at the time of examination

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Section II

Date of Test: 30.07.2009 Thursday

Time: 10.30 am

Application No.

Place: Dept. of OptoElectronics, University of Kerala
Kariavattom, Thiruvananthapuram

Name of Candidate :

Address :

Signature of the Candidate

UNIVERSITY OF KERALA
Department of Future Studies

Entrance Test for admission to M.Tech for the year 2009
HALL TICKET FOR NON-GATE CANDIDATES

This hall ticket should be brought at the time of entrance test with **photo and signature attested by a Gazetted Officer.**

Section I

Date of Test: 31.07.2009 Friday

Time: 10.30 am

Application No.

*Place: Dept. of Future Studies, University of Kerala
Palayam, Thiruvananthapuram*

Category : Sponsored / SC / ST / General

Name of Candidate :

Address :

Signature of the candidate
(To be signed in the presence
of Identifying Officer)

I certify that the photo and signature are that of _____

Identifying Officer's Name _____

Designation _____

Affix Passport Size
Photograph here

(Office Seal)

Signature of the Identifying Officer
(To be signed on the photograph)

Section I to be detached and handed over to the Invigilator at the time of examination

----- Cut Here -----

Section II

Date of Test: 31.07.2009 Friday

Time: 10.30 am

Application No.

*Place: Dept. of Future Studies, University of Kerala
Palayam, Thiruvananthapuram*

Name of Candidate :

Address :

Signature of the Candidate