UNIVERSITY OF KERALA

Re-accredited by NAAC with 'A' Grade

Department of Computer Science/Future Studies/Optoelectronics
Application for Admission to M.Tech for the year 2016

Name of Applicant:

Mode of payment of Application :
DD / Pay-in-slipand Registration fee
Amount:

DD / Pay-in-slip No.: Dated: Bank:

Affix Passport Size
Photograph here

	Name of Department	Name of Course
1. Name of the University Department to which application is being submitted and Name of the course (Refer prospectus)		
2. Name of Applicant(In blockletters with initials last)		
3. Address to which communications are to be sent		
4. Telephone number	Res: Mob:	
5. E-mail address		
6. Permanent Address		
7. Age and Date of Birth		
8. Sex		
9. Nationality		
10. Father's / Guardian's name and address		
11. Occupation and annual income of parent		
12. Name and address of Local Guardian, if any Telephone number if any		

	Scheduled Caste	Scheduled Tribe
13. If you belong to **Scheduled Caste** or **Scheduled Tribe** write the **community** in the appropriate box. **(Produce attested copy of the Community Certificate from a Revenue Officer not below the rank of the concerned Tahsildar.)**		
14. Are you eligible for **Physically Handicapped reservation**? (Write **Yes / No**). (If **Yes, produce attested copy of the Disability Certificate from the Medical board of a Government Hospital, otherwise, the application should not be considered for reservation.**)		

15. Do you belong to any of the following reservation category. Write **Yes or No** in the appropriate column and also write the **community**.

Category	EZHAVA	MUSLIM	OBC- HINDU (Ezhava excluded)	LC-SIUC	OBC-Xian	BPL (from forward community)
Yes / No						
Community						

(Produce attested copies of Community and Income Certificate from a Revenue Officer not below the rank of the concerned Village officer for EZHAVA / MUSLIM / OBC-HINDU / LC-SIUC / OBC-Xian reservation, otherwise the application should not be considered for reservation.)

(Produce attested copies of Community Certificate and BPL certificate specifying the relevant number in the BP list from the concerned officer for BPL reservation, otherwise the application should not be considered for reservation.)

16. Particulars of GATE score **(Produce attested copy of the GATE Score Card)**	**Gate Score -** **Valid upto -**
17. Are you applying for **SPONSORED category**. Write **Yes / No**. **If Yes**, give the following details (**Produce Experience certificate and Sponsorship certificate from the employer in the format specified in the prospectus and a certificate to prove the valid registration and certification of the company, for those who are working in company/firm/industry.**)	**Name of Employer –** **Number of Years of Experience –**

18. Educational Qualifications **(Produce attested copies of the marklists of all semesters / years)**

Examination Passed	Main Subject	Class/ Rank	% of Marks/CGPA	Year of passing	College/ Institution	University

19. Any other information the candidate may wish to add	

<u>DECLARATION</u>

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   :

Professor & Head of the Department

UNIVERSITY OF KERALA
Department of Computer Science

Entrance Test for admission to M.Tech for the year 2016
HALL TICKET FOR NON-GATE & SPONSORED CANDIDATES

This hall ticket duly filled should be returned along with the application form with photo and signature attested by a Gazetted Officer.

Section I

DATE OF TEST: *TIME:*

PLACE:

Register No.

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

Signature of the Identifying Officer
(Office Seal)   (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: *TIME:*

PLACE:

Register No.

Name of Candidate   :
Address   :

Signature of the Candidate

UNIVERSITY OF KERALA
Department of Optoelectronics

Entrance Test for admission to M.Tech for the year 2016
HALL TICKET FOR NON-GATE & SPONSORED CANDIDATES

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(To be signed in the presence
of Identifying Officer)

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Designation _____

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Photograph here

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(To be signed on the photograph)

(Office Seal)

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: *TIME:*

PLACE:

Register No.

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 2016
HALL TICKET FOR NON-GATE & SPONSORED CANDIDATES

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(To be signed on the photograph)

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Section II

DATE OF TEST: *TIME:*

PLACE:

Register No.

Name of Candidate   :
Address   :

Signature of the Candidate

UNIVERSITY OF KERALA
(Re-accredited by NAAC with 'A' Grade)

DEPARTMENT OF COMPUTER SCIENCE
Kariavattom, Thiruvananthapuram – 695 581
Ph: 0471 2308360, website: www.dcsku.org
(Supported by DST-FIST)
PROSPECTUS - 2016
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. in addition to 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. The M.Tech is a four-semester programme with specialization in Digital Image Computing and it is an AICTE approved one. The programme runs under the Credit and Semester System.

Total number of seats approved for M.Tech by AICTE is 18.

Out of which,	Sponsored	- 5
	SC/ST	- 3
	General	- 10 (out of which reservation will be given to OBC / BPL (forward community) / Physically Handicapped also)

ELIGIBILITY

A Bachelor's degree in Engineering / Technology with at least 55% marks in one of the following branches: Computer Science and Engineering / Information Technology / 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 of a recognized University.

ADMISSION PROCEDURE

- Admissions to non-sponsored seats will be made on the basis of valid GATE score.

- Admissions to sponsored seats will be governed by the following 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
  Category I – an Educational Institution / Research institution / any Government Department / Government Autonomous Organization.

OR

  Category II - a Registered firm / Company / Industry in the relevant field with CMM level 5 / CMMI / ISO certification.

  (iii) Less than 45 years of age as on 1st day of the year of admission.

- 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 University of Kerala. 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).

- Along with the application, a sponsored candidate shall produce the **Experience Certificate** and **Sponsorship Certificate** from the employer **stating that the candidate is being sponsored to get admission to M.Tech programme in Computer Science in the Dept. of Computer Science, University of Kerala. The employer should also indicate that the candidate will not be withdrawn mid way till the completion of the course. The date of issue of the Sponsorship Certificate shall be after the date of admission notification.** In addition to the above certificates, candidates belonging to **Category II** shall produce a certificate from the employer stating that the firm / company / industry is a registered one with a valid registration number and is a CMMI / CMM level 5 / ISO certified one.

SCHOLARSHIP

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

FEE STRUCTURE (Subject to revision by the University of Kerala)

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. 400/-

   Other Special fees as approved by University. In addition to the fees mentioned above, a sponsorship fee Rs. 15,000/- per annum will be levied from the Sponsored candidates.

HOW TO APPLY

Application form can be downloaded from the University of Kerala website (www.keralauniversity.ac.in) or from the Department website (www.dcsku.org). The registration fee and fee for application form for M.Tech is Rs. 500/-

The application form and hall ticket (for non-gate & sponsored candidates) duly filled along with the necessary documents listed below should reach **"The Professor & Head, Department of Computer Science, University of Kerala, Kariavattom, Thiruvananthapuram – 695 581"** on or before **24th June 2016**.

List of documents to be submitted along with the filled up Application Form.

- **Pay-in-slip of Rs. 500/- of University Cash Counter** or **crossed DD for Rs. 510/-** 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 name of person for whom the remittance is made and the purpose of remittance should be stated on the back of the DD. DD from other banks will not be accepted.
- Attested copies of Mark Lists of qualifying examination (all semesters / all years).
- Attested copy of GATE score card.
- Attested copy of Community Certificate for SC/ST reservation.
- Attested copies of Community and Income Certificate for OBC reservation.
- Attested copies of Community Certificate and BPL Certificate for BPL reservation.
- Attested copy of Disability certificate from the Medical Board of a Government Hospital for Physically Handicapped reservation.
- Experience Certificate and Sponsorship Certificate from the employer in the prescribed format for the Sponsored category.

UNIVERSITY OF KERALA

DEPARTMENT OF OPTOELECTRONICS

KARIAVATTOM - 695 581, THIRUVANANTHAPURAM - Ph. 0471 2308167

Prospectus for M.Tech Programme

ABOUT THE DEPARTMENT:

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 nanomaterials, Laser spectroscopy, Holography and Speckle Interferometry and Laser remote sensing. This department has a well equipped M.Tech./ Research laboratories and a very good reference library.

M.Tech course offered:

Electronics and Communication (Optoelectronics and Optical Communication) - Approved by AICTE.

DURATION OF COURSE:

Two years (Four semesters under credit and semester system).

NUMBERS OF SEATS:

Total numbers of seats : 18, sponsored category : 5 , SC/ST category : 3 and General : 10 {among the general seats, reservations will be given to OBC/ Physically Handicapped / BPL (forward community) also}.

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 sponsored candidate has to remit a sponsorship fee of Rs. 15,000/- per year. 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 the application, sponsored candidates should produce experience certificate and 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.

The open seats available (after applying OBC / PH/ BPL reservation) will be equally allotted to candidates belongs to M. Sc. and B.Tech stream. If sufficient numbers of candidates are not available from one category, those seats will be allotted to the candidates from the general list.

Fee Structure for M.Tech course: Electronics and Communication (Optoelectronics and Optical Communication)

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. 400/- (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 420/- (per year)

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 can be down loaded from the University web site: **www.keralauniversity.ac.in**. A University pay-in-slip of Rs. 500/- or a DD for Rs. 510/- drawn in favour of **Finance Officer, University of Kerala, Thiruvananthapuram,** from SBl, SBT or District Co-operative banks payable at Thiruvananthapuram as application fee should be attached along with the application. DD from other banks will not be accepted.

The attested true copies of the following documents should be attached along with the application:-

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

The filled application should reach "**The Professor & Head, Department of Optoelectronics, University of Kerala, Kariavattom, Thiruvananthapuram - 695 581"** on or before the last date.

Last date of receipt of application is   24.06.2016

UNIVERSITY OF KERALA
(Re-accredited by NAAC with 'A' Grade)

DEPARTMENT OF FUTURES STUDIES
Kariavattom, Thiruvananthapuram -695581
Ph: 0471-2305321

PROSPECTUS

M.Tech (TECHNOLOGY MANAGEMENT)
(Approved by AICTE)

About the Department

Department of Futures Studies of the University of Kerala is a proactive interdisciplinary Department established by UGC in 1990-91. It has won the credit of introducing M.Tech in Technology Management for the first time in India. An interdisciplinary M.Phil in Futures Studies, UGC innovative Programme - Post Graduate Diploma in Knowledge Management and Ph.D. programmes are offered by the Department. The alumni of the Department now occupy significant top level and middle level positions in various Multi-national Companies, Central and State Government Organizations/Departments.

The Department has a strong base to carry out interdisciplinary research on technology forecasting/management, system modeling, mathematical modeling, knowledge management etc.. Also in the research arena, the Department is fast becoming an international player in the field of discrete mathematics. The Department has been partnering with University of Maribor, Slovenia and Erasmus University, Netherlands and is having exchange programs for the last seven years.

This is the only Department in the whole of the University that has a very strong consultancy wing. C-Graf, the consultancy wing of the Department has established itself as a key player in the field of socially relevant consultancy projects. Consultancy works for various international agencies like Family Health International, (United Kingdom). The World Bank, The Japanese Bank for International Co-operation, Central and State Governments and the likes are being executed in a time bound manner.

About the Programme

The AICTE approved M.Tech Programme in Technology Management specializes in Strategic Technology Management by covering areas like Technology Forecasting and Assessment as well as Mathematical / Computer Modeling, Expert System etc. The M.Tech is a four semester Programme under the Credit & Semester System.

Total number of seats approved for M.Tech by AICTE is 15. Out of which,

Sponsored	-	2
SC/ST	-	3
General	-	10 (out of which reservation will be given to OBC / BPL (forward) / Physically Handicapped also)

Eligibility for Admission

B.Tech Degree or equivalent in any branch of Engineering / Technology with at least 55% marks from the University of Kerala or equivalent.

Admissions to non-sponsored seats will be made on the basis of valid GATE score.

Admissions to sponsored seats will be governed by the following AICTE guidelines. The candidates should have:-

(i)   Bachelor's Degree in Engineering / Technology 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 University of Kerala. Ranking will be done on the basis of marks obtained in the qualifying examination and the entrance test in the ratio 40:60.

2. The ranking of sponsored candidates will be done on the following basis:
Qualifying examination: 40%, Entrance examination:50%, Experience:10% The weightage for experience will be as follows:-
(First two years 0%, each additional year carries 2% subject to maximum of 10 marks)

3. Along with application, a sponsored candidate shall produce the Experience Certificate and Sponsorship Certificate 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 will be provided with scholarship by AICTE subject to availability of funding.

Fee Structure

Ist SemesterRs.5755 + 1500/-DDF (At the time of Admission)   IInd Semester   Rs.3675/-
IIIrd Semester Rs.3920/-   IVth Semester   Rs.3275/-

Detailed Fee Structure:-

1. Tuition Fees   Rs 1500/- (Per Semester)
2. Stationery Fee   Rs. 500/- (Per Semester)
3. Computer Laboratory Fee   Rs. 500/- (Per Semester)
4. Library Fee   Rs.300/- (Per Semester)
5. Examination Fee   Rs.975/- (Semester I)
                                                Rs.875/- (Semester II)
                                                Rs.550/- (Semester III)
                                                Rs.475/- (Semester IV)

6. Admission Fee   Rs. 50/-
7. Quasi University Fees   Rs. 150/- (Per Year)
8. Sports and Games Fee   Rs. 75/- (Per Year)
9. Magazine Fee   Rs. 50/- (Per Year)
10. Campus Union Fee   Rs.10/- (Per Year)
11. Audio Visual Fee   Rs. 10/- (Per Year)
12. Students Aid Fund   Rs.20/- (Per Year)
13. Dept. Union Fee   Rs. 70/- (Per Year)
14. Medical Examination Fee   Rs.10/- (at the time of Admission)
15. Women's Study Unit   Rs.10/- (Per Year)
16. University Union Fee   Rs.50/- (Per Year)
17. Students Group Personal Insurance Policy Scheme   Rs.25/- (Per Year)
18. Sports Affiliation Fee   Rs.50/- (Per Year)
19. Students Affiliation Fee   Rs.400/- (at the time of Admission)
20. Caution Deposit (Refundable)   Rs1000/-
21. Addl.Fee for Sponsored Candidates   Rs.15000/- (Per Year)

How to apply

Application form can be downloaded from the University web site: www.keralauniversity.ac.in. A University pay-in-slip of Rs. 500/- or a DD for Rs. 510/- drawn in favour of Finance Officer, University of Kerala, Thiruvananthapuram, from SBl, SBT or District Co-operative banks payable at Thiruvananthapuram as application fee should be attached along with the application. DD from other banks will not be accepted.

The attested copies of the following documents should be sent along with the application:-

- SSLC
- Mark lists of B.Tech degree (all semester)
- GATE score card
- Community certificate for SC/ST reservation
- Community and Income certificate for OBC reservation
- BPL certificate for BPL reservation
- Disability certificate from the Medical Board of a Government Hospital for Physically Handicapped reservation

The filled application should reach "The Professor & Head, Department of Future Studies, University of Kerala, Kariavattom, Thiruvananthapuram - 695 581" on or before the last date.

Last date of receipt of application is 24-06-2016.