

**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 - 2017**

**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 50% marks or an equivalent grade in a point scale wherever grading system is followed 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**

Master's degree in Computer Science / Computer Application with at least 50% marks or an equivalent grade in a point scale wherever grading system is followed 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/UGC-CSIR-NET score.
- Admissions to sponsored seats will be governed by the following AICTE guidelines. The candidates should have:
  - (i) Bachelor's Degree in Engineering / Technology (in branches mentioned above) with at least 50% marks or an equivalent grade in a point scale wherever grading system is followed 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.
  - (iv) For sponsored candidates, ranking shall be based on 80% weightage for CGPA/ aggregate marks at bachelor level and 10% for work experience (1%/year) and 10% for an interview conducted by Department Council.

- (v) 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.
- When GATE/NET 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 50:50. There shall be 0.25 negative mark for each wrong answer in the entrance examination. Candidate shall secure at least 25% (20% for SC/ST category) of the average marks of the stream in the entrance examination

### **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](http://www.keralauniversity.ac.in)) or from the Department website ([www.dcsku.org](http://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 **7<sup>th</sup> July 2017**.

### **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 **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/NET 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.