

OFFICE OF THE CHIEF ENGINEER
LOCAL SELF GOVERNMENT DEPARTMENT
3RD FLOOR, REVENUE COMPLEX
PUBLIC OFFICE COMPOUND,
THIRUVANANTHAPURAM -33

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No.DB1/3356/13/CE/LSGD

Dated: 21.06.2016

Circular

Admission Notice 2016 for M-tech Programme in Translational Engineering is received from Translational and professional leadership Centre (TPLC) GEC, Burton hill, Thiruvananthapuram – 695 035. The last date for submission of application form is 30.06.2016. Hence interested Engineers of this department may apply and they are required to satisfy the conditions for selection to the course and have to pass the entrance test conducted by Government Engineering College, Barton Hill, Thiruvananthapuram. Any clarification required in this regard, may be obtained from:

Programme Coordinator,
Translational Engineering,
Government Engineering College,
Barton Hill, Thiruvananthapuram – 695 035.
www.gecbh.ac.in or www.tplc.gecbh.ac.in
tplc @ gmail.com
Phone/ Fax – 0471-2300485


Chief Engineer





TRANSLATIONAL RESEARCH AND PROFESSIONAL LEADERSHIP CENTRE

GOVERNMENT ENGINEERING COLLEGE, BARTON HILL
THIRUVANANTHAPURAM- PIN 695035

Admission Notice 2016

For M.Tech Programme in **TRANSLATIONAL ENGINEERING**

Highlights

- Interdisciplinary programme
- Approved by AICTE and affiliated to APJ Abdul Kalam Technological University.
- An initiative of Higher Education Department, Government of Kerala.
- Associations with Columbia University (New York), University in Montreal (Canada), IITs, Technical University, Delft (Netherlands), IISCs and Regen Power (Australia).
- 2 year duration, 4 semester programme.
- 6 week mandatory internship at any of the associating institutes with Government support.
- Available seats-18 (10 seats reserved to Govt. employees)
- Mandatory Social Responsibility camp.
- GATE qualified candidates are eligible for stipend from AICTE.

Eligibility Criteria:

- Candidates should possess a B.Tech /BE degree in any branch of Engineering from a recognized University with a minimum of 60% aggregate marks.
- Age limit 44 years. (Not born before 1st June 1972)
- Candidates from all branches of Engineering can apply.

ADMISSION SCHEDULE

- Last date for submission of Application Form along with application fee remitted as per options given in the prospectus: June 30th, 2016.
- Classes commences on August 1st (As per KTU)
- Admission will be done on the basis of an entrance test, group discussion and interview (15th-22nd July, 2016)
- Prospectus/ Application form can be downloaded from the website www.gecbh.ac.in or www.tplc.gecbh.ac.in.

HOW TO APPLY

- Completed Application Form along with bank draft of Rs.500/- drawn in favour of "The Principal, GEC Barton Hill" payable at Trivandrum should be send to the Coordinator, TPLC, Govt. Engineering College, Barton Hill, Trivandrum-695 035 on or before June 30th, 2016.

Detailed information regarding eligibility requirements, admission criteria, number and nature of seats, fee schedule etc. is available in the prospectus which can be downloaded from the website of Directorate of Technical Education www.dtekerala.gov.in or from college website www.gecbh.ac.in or from the TPLC website www.tplc.gecbh.ac.in

Contact Details: Co-ordinator, Translational research and Professional Leadership Center (TPLC), Government Engineering College, Barton Hill, Thiruvananthapuram-695035

E-mail: tplc.gecbh@gmail.com, **Mob No:** 7736236262, 7736136161 **Web site:** www.tplc.gecbh.ac.in



Translational Research and Professional Leadership Centre (TPLC)
GOVERNMENT ENGINEERING COLLEGE, BARTON HILL
THIRUVANANTHAPURAM- 695035

TPLC

Application Form for Admission to M.Tech in TRANSLATIONAL ENGINEERING

(Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University)

Affix your
recent colour
photograph here

1. **Name of the Applicant:** Mr./Ms.
(in Block Letters)

2. **Father's Name:**
(in Block Letters)

3. **Mother's Name:**
(in Block Letters)

4. **Sex:** Male/Female

5. **Marital Status:** Married/Unmarried

6. **Nationality:**

If foreign national, Passport No.

7. **Date of Birth:**

D	D	M	M	Y	Y
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8. **Place of Birth :**

9. **Address for Correspondence:**

.....Pincode

Phone No.....Mobile No.E-Mail

10. **Permanent Address:**

.....Pincode.....

11. **Religion & Caste**

12. **Reservation Category**.....(GEN/OBC/SEBC/SC/ST)

* *Attach copies of community and income certificate to claim reservation.*

13. **Application Fee remitted:** (Rs.500/- for GEN/OBC/OEC and Rs.250/- for SC/ST)

• **Method of remittance:**(TPLC GEC Barton Hill/ DD/ Internet Banking)

• **Details***.....

(* *Provide the DD Number/ Transaction ID and date of remittance*)

14. Details of Academic Record/ Experience:

A. Whether qualified GATE - YES/NO

<i>Roll No:</i>	<i>Stream</i>	<i>GATE Score</i>	<i>Year</i>

* *Attach copy of GATE score card if qualified.*

B. Qualifying degree already obtained or in progress

<i>College Name</i>	<i>University</i>	<i>Discipline</i>	<i>Degree</i>	<i>Date of passing</i>	<i>Percentage of Marks/CGPA</i>

* *Attach copies of consolidated mark list, and degree/provisional certificates*

C. Other qualifications: High school onwards

<i>Institute/College</i>	<i>University/Board</i>	<i>Discipline</i>	<i>Degree</i>	<i>% Marks or Grade Point</i>	<i>Date of passing</i>

* *Attach copies of score card, certificates, all mark sheets, etc.*

D. Working experience:

Date <i>(From To)</i>	Department/Organization	Designation	Nature of Work

**Attach the copies of experience certificates.*

15. Declaration by the Applicant

Certified that all the information provided by me on this form is correct to the best of my knowledge and belief. I understand that any willful misinterpretation of facts will result in my dismissal from the Institute. If admitted, I shall abide by all the rules and regulations of the Institute.

Date:

Signature:

Form – I

(Format of the Certificate to be submitted by the candidates who are unable to produce the final mark-sheet of the qualifying Examination at the time of written test/ interview)

CERTIFICATE

This certificate must be signed by the Principal/ Registrar/ Director of the Institution from which the candidate wrote his/her qualifying examination.

This is to certify that Mr./Ms. _____
(Name of the Candidate)

_____ has appeared in the final examination of _____
(Examination Roll No.) (B.Tech)

in _____ (including all papers in theory,
(Discipline)
practical, Project, oral, etc.) in all subjects and has no back papers. He/She is only waiting for the results.

(Signature and Name of the Signing Authority)

Date: _____

Position: _____

Name of the Institution: _____

(Seal of the Institution)

Form – II

NO OBJECTION CERTIFICATE

This is to certify that Mr./Ms. _____
S/o/D/o. _____ working as a _____
in the department of _____ from
_____ is an employee of our
department/organization. We have no objection to his/her joining in M.Tech. (full-time)
programme in Translational Engineering.

Date:

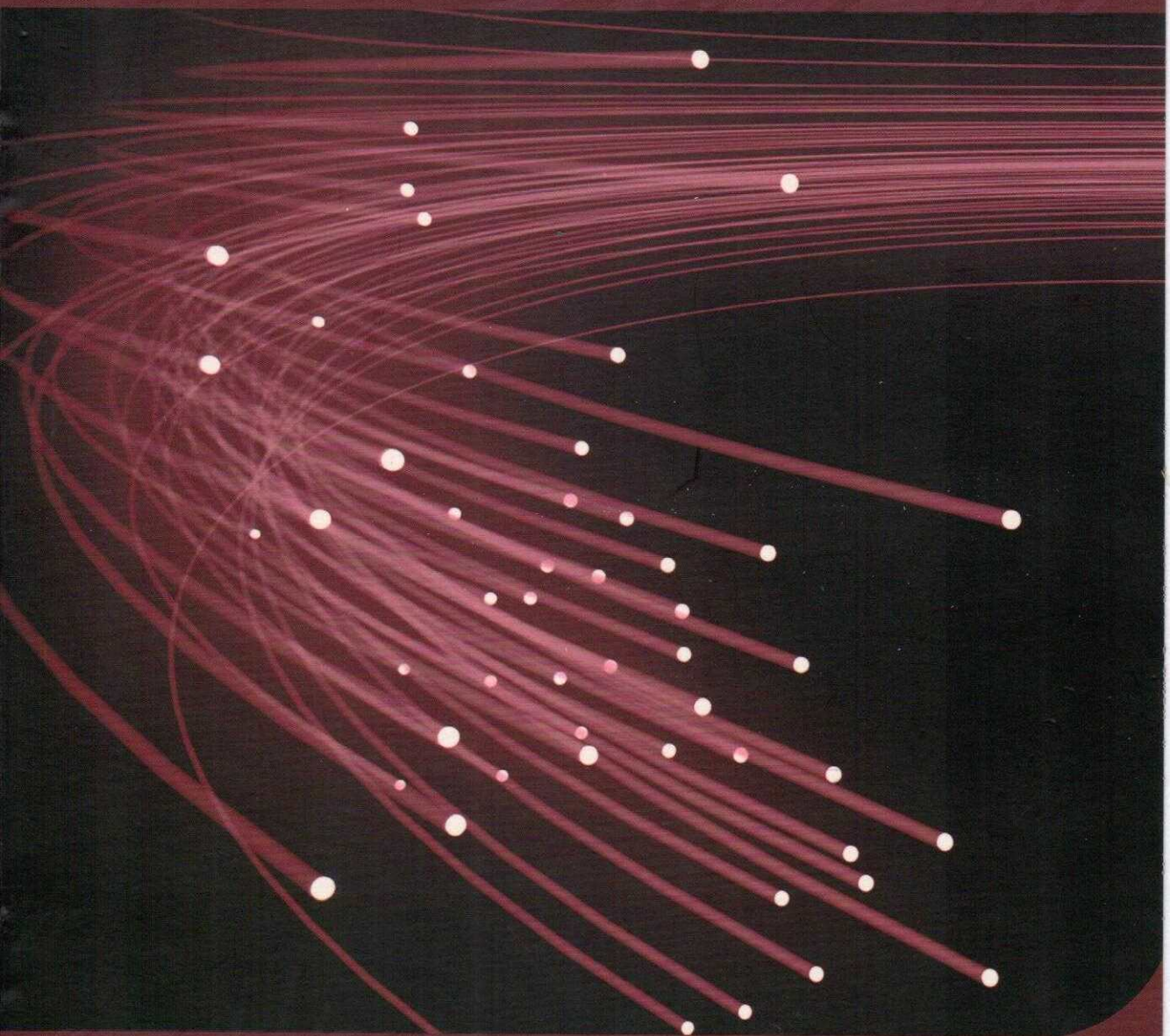
Signature
Authority with stamp

Note: To be submitted on the Letter Head of a registered firm/company/industry/educational & research Institutions/any Government departments or Govt. Autonomous Organizations.

DB4
BIS 16/14

M.TECH IN
**TRANSLATIONAL
ENGINEERING**

(Approved by AICTE and Affiliated to Kerala University)



**Translational and Professional
Leadership Centre (TPLC)**

GEC, BARTON HILL
THIRUVANANTHAPURAM-695 035

TRANSLATIONAL ENGINEERING

Translational Engineering is an emerging new discipline which holds its place between research and practice of all branches of engineering, translating between the abstractions of research and the realism of practice. The discipline will help translate the problems and concerns of practice into clear, need-based statements that can drive researchers to develop new insights. It is an approach applicable to each branch of Engineering, retaining the nature and scope of the respective branch of Engineering, bringing in an additional multi-disciplinary aspect.



M.Tech in Translational Engineering

M.Tech in Translational Engineering at a Glance

- ◆ Initiated by Higher Education Department, Government of Kerala
- ◆ Approved by AICTE and Affiliated to University of Kerala
- ◆ Collaborations with Columbia University (New York) & University in Montreal (Canada) & IIT Madras
- ◆ 2 year duration, 4 semester programme
- ◆ 6 week internship at any of the collaborating Institutes
- ◆ Credit Transfer System adopted
- ◆ Available Seats - 18
- ◆ Admission through Entrance test
- ◆ Fee : Rs.75,000 per semester
- ◆ Specialised classrooms exclusively designed for the Programme
- ◆ Expert faculty from Columbia University, University in Montreal, IIT's, NIT's & practising professionals
- ◆ Real time Projects translating research in to practice
- ◆ Qualification required : Bachelor of Technology degree in any branch with 60% of marks or a qualification recognized as equivalent there to by the University of Kerala

Need for Translational Engineering

- ◆ Need for Translational Professionals world-wide to reduce the growing gap between research & practice
- ◆ Technical knowledge combined with managerial & life-skills essential
- ◆ Engineers to be moulded as socially committed professionals
- ◆ Globally competent professionals moulded through interactions with International Universities
- ◆ Identification and working on real life projects requiring application of Translational Engineering
- ◆ Growing demand for a Programme specifically designed for working professionals



M.Tech in Translational Engineering

Curriculum

(Developed with assistance of Columbia University, University in Montreal, IIT Madras, UNEP & Social Scientists & practicing professionals)

SOCIALLY RELEVANT CONTENT

- ★ Responsible Engineering
- ★ Translational Engineering
- ★ Environmental Impact Assessment
- ★ Disaster Management
- ★ Science, Technology and Society
- ★ Internship at Collaborating Institutions

TECHNICAL CONTENT

- ★ Electives in Engineering Technology offered by Kerala University
- ★ Project works at Industries to enable applications of Translational Engineering

MANAGERIAL SKILLS ENHANCEMENT CONTENT

- ★ Engineering Project Management
- ★ Organisational Behavior
- ★ Human Aspects of Management
- ★ Technology Management
- ★ Entrepreneurship Development

TOTAL TRANSFORMATIVE PROGRAMME CONTENT

- ★ Timeless Leadership Programmes
- ★ Soft Skills Development
- ★ Professional Ethics
- ★ Healthy Living Practices
- ★ Effectiveness to Greatness Programmes



Download application form from website www.tplc.gecbh.ac.in and post the duly filled form to the address

**THE PROGRAMME COORDINATOR
TRANSLATIONAL ENGINEERING
GEC BARTON HILL
TRIVANDRUM-695 035**

ENTRANCE TEST

Selected Candidates will have to qualify an entrance test

INTERVIEW

Candidates should have to appear for an interview after qualifying the entrance exam



Participants of Programme on *Timeless Leadership*

An initiative of



Higher Education Department
Government of Kerala



In collaboration with



Columbia University
New York, USA

Université
de Montréal



UNIVERSITY IN MONTREAL
Quebec, Canada



IITM
Chennai, INDIA



GEC, BARTON HILL
Trivandrum

GOVERNMENT ENGINEERING COLLEGE

BARTON HILL, THIRUVANANTHAPURAM

The Government Engineering College, Barton Hill (GECBH) was founded by the Government of Kerala, India, in 1999. The Institution is located in Barton Hill, which is two kilometers from the city centre in Trivandrum. The institute has five major departments: Electronics and Communication, Information Technology, Mechanical Engineering, Electrical and Electronics Engineering and Civil Engineering. The college now offers five full time B.Tech. degree courses and Four full time M.Tech degree course.

The 56 strong faculty team of the college consists of 15 Ph.D holders and 34 PG degree holders. Admission to the UG programmes to this college is done through the Common Admission Procedure (CAP) based solely on the rank secured in the Common Entrance Examination (CEE) conducted by the Government of Kerala. This college is the choice of the top rank holders of the CEE. Admission to the PG programme is done through the Centralised Admission Process by the Directorate of Technical Education.

The alumni of the college have already secured their places in the B.Tech. rank list of Kerala University and in the top sections of all India GATE rank lists. The alumni of the college have also secured admissions to top research institutions and business schools including foreign universities, IITs and IIMs. The placement record of the college has been excellent with majority of the students having received job offers to reputed firms from the campus itself.



TRANSLATIONAL AND PROFESSIONAL LEADERSHIP CENTRE [TPLC]

(Transforming professionals to transform the nation)

Translational and Professional Leadership Centre (TPLC) is established in 2013 at Government Engineering College, Barton Hill Thiruvananthapuram (GECBH).

For more details visit www.tplc.gecbh.ac.in

VISION

To be a lead centre of excellence providing education, training and research in Translational Engineering focusing on nurturing multi-disciplinary engineers capable of providing excellent leadership and expertise in executing projects, upholding their professional ethics and social responsibilities, contributing to nation building.



MISSION

- ▶ To impart the concept of Translational Engineering
- ▶ To catalyse Responsible Engineers, along with making them technically knowledgeable
- ▶ To generate a socially committed network of engineers leading to a value-based profession
- ▶ To collaborate with International Universities and Institutes to boost up Transnational Education
- ▶ To boost professionalism which is both global and local in focus

PROGRAMMES UNDER TPLC

- ▶ M.Tech in Translational Engineering
- ▶ Add-on programmes related to Translational Engineering
- ▶ Training programmes on socially relevant areas
- ▶ Training programmes on Executive Healthy Living
- ▶ Programmes on Timeless leadership
- ▶ Programmes on Professional ethics
- ▶ Programmes on Soft-skill development
- ▶ Transformation programmes from Effectiveness to Greatness

COLLABORATING UNIVERSITIES



UNIVERSITY IN MONTREAL



- ▶ One of the world's top ten University cities according to the Best Student Cities in the World 2012 Ranking by the British firm QS
- ▶ Montreal is Canada's premier international University City
- ▶ 12% of University represented by International Students ie. 7300 students from around the world
- ▶ More than 62800 students in 16 faculties and affiliated schools
- ▶ More than 250 undergraduate programmes and 350 graduate programmes
- ▶ 465 research centres
- ▶ More than 550 partner universities in 60 countries

For more details, contact www.umontreal.ca

UNIVERSITY OF COLUMBIA



- ▶ Global leader in Higher Education
- ▶ Faculty leaders exploring new frontiers of knowledge
- ▶ More than 2000 international faculty, researchers, visiting scholars and scientists
- ▶ 80 Columbians received Nobel Prizes including 8 current faculties
- ▶ Interdisciplinary nature of academic programmes and international partnerships

For more details contact www.columbia.edu

IIT MADRAS



- ▶ Indian Institute of Technology Madras is one among the foremost institutes of national importance in higher technological education, basic and applied research.
- ▶ The first Indo-German agreement in Bonn, West Germany for the establishment of the Indian Institute of Technology at Madras was signed in 1959.
- ▶ A residential institute with nearly 550 faculty, 8000 students and 1250 administrative & supporting staff.
- ▶ Established itself as a premier centre for teaching, research and industrial consultancy in the country. The Institute has sixteen academic departments and a few advanced research centres in various disciplines of engineering and pure sciences, with nearly 100 laboratories organised in a unique pattern of functioning.

For more details contact www.iitm.ac.in

THE UNIVERSITY OF KERALA (UOK)



- ▶ The University of Kerala (UoK) is an affiliating university located in Trivandrum in the state of Kerala, India.
- ▶ Established in 1937, it was the sixteenth university to be set up in India.
- ▶ Presently it has 16 faculties and 42 teaching Departments under it, with a large number of affiliated colleges in a wide variety of subjects.
- ▶ Its teaching and research spreads a wide spectrum from studies on centuries old palm leaf manuscripts housed in its Manuscripts Library to cutting edge science and technology including opto-electronics, computational biology and bio-technology.
- ▶ Eminent scientist Dr P K Radhakrishnan is the current Vice-Chancellor
For more details visit www.keralauniversity.ac.in



DEPARTMENT OF HIGHER EDUCATION

GOVERNMENT OF KERALA (HED)

The Higher Education Department is in control of both Collegiate Education and Technical Education in the state of Kerala. The Principal Secretary heads this Department. Directorate of Collegiate Education is the Government agency to make arrangements for starting new Government colleges, new courses and for payment of salary to the staff of aided colleges. Directorate of Technical Education is in charge of various Institutions imparting technical education in the state including Engineering colleges, Polytechnics, College of Fine arts, Food craft institutes, Commercial Institutes, Technical high schools, Vocational Training Centres etc. For more details visit www.highereducation.kerala.gov.in



DIRECTORATE OF TECHNICAL EDUCATION

GOVERNMENT OF KERALA (DTE)

Higher education governance body under the Government of Kerala and established on 4th September 1957. It is a part of the Higher Education Department and is managed by the Minister of Education. The Department advises the Government on matters dealing with Higher Education. It manages the working and activities of 12 Government Engineering Colleges, 49 Polytechnic Colleges, 3 Colleges of Fine Arts, 39 Technical High Schools, 17 Govt. Commercial Institutes, 42 Tailoring and Garment Making Training Centres and 4 Vocational Training Centers. For more details visit www.dtekerala.gov.in.