



# डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अभियंद की अनुशंसा पर  
**विद्या वाचस्पति** की उपाधि एवं  
**प्रियदर्शी जारुहार**  
 को प्रदान करता है।

शोध-प्रबन्ध शिर्षक : **रिडक्यूल ऐज्ञ ऐप्लिकेशन्स ऑफ सल्फर इंजेनियरिंग एन्जाइम्स**  
 भारतीय गणराज्य के अवक्षणत जालन्धर में आज दिनांक चार अप्रैल 2015 को संस्थान की मुद्रा अंकित वह उपाधि दी गई।

## Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

*Upon the recommendation of the Senate hereby confers the degree of*  
**DOCTOR OF PHILOSOPHY**

on

**PRIYADARSHI JARUHAR**

*Thesis title: "REDUCTION AND APPLICATION OF SULPHUR DYES ON COTTON USING ENZYMES"*

*Given this day, the Fourth of April, 2015, under the seal of the Institute at Jalandhar in the Republic of India.*

*self attested*

*P. J.*

*J. K.*  
कुलसचिव  
Registrar

*Sukhdev*

निदेशक एवं अध्यक्ष, अभियंद  
Director & Chairman, Senate

प्रौद्योगिकी

RANCHI UNIVERSITY, RANCHI

By order of the Vice-Chancellor, Ranchi University, Ranchi,  
the undermentioned candidate is declared to have passed the Doctor  
of Philosophy (Faculty of Science) Examination in Mathematics, held  
in the month of September, 1998:

Name of the Candidate

Sri Arun Prasad Burnwal

Topic of the Thesis

"ON MATHEMATICAL PROGRAMMING IN  
FUZZY ENVIRONMENT".

Memo No. Ex/ 5286/CB/-

Sd/-Prof. M.L.Konda  
Controller of Examinations,  
Ranchi University, Ranchi.

Dated the 28th October, 1998.

Copy forwarded to:-

- 1) The Candidate concerned;
- 2) The Guide Dr. D. Singh, Professor and Head, Deptt. of Mathematics, M.I.T. Muzaffarpur.
- 3) The Dean Faculty of Science, R.U., Ranchi;
- 4) The Head of the Deptt. of Mathematics, R.U., Ranchi;
- 5) The Examiners concerned;
- 6) The Registrars of all Universities in Bihar;
- 7) The Assistant-in-charge, Degree Section, R.U., Ranchi;
- 8) The Director of National Archives, New Delhi;
- 9) The Librarian, National Library, Calcutta; for information;
- 10) The Editors: a) Ranchi Express, Ranchi;  
                      b) Prabhat Khabar, Ranchi;  
                      c) AJ, Ranchi; for favour of publication,

free of cost, if they so desire.

M.L.Konda 18/10/98  
(Prof. M.L.Konda)  
Controller of Examinations,  
Ranchi University, Ranchi.

28/10/98

# VIT UNIVERSITY

(Established under section 3 of the UGC Act, 1956)



The Board of Management of the VIT University  
hereby confers on

DEEPAK KUMAR

*the degree of*

DOCTOR OF PHILOSOPHY

*in recognition of the research work entitled*

TOXICITY ASSESSMENT OF ENGINEERED SILVER AND ZVI NANOPARTICLES IN  
ENVIRONMENTAL MICROORGANISMS

*and for having fulfilled the prescribed requirements in the*

Centre for Nanobiotechnology



*given this day the 11 September 2017*



*Given under the seal of this university*

*Chancellor*

Vice - Chancellor

*Chancellor*



डॉक्टर ऑफ फिलोसोफी  
प्रमाणित किया जाता है कि  
राजेन्द्र प्रभाद वर्मा

को इस विश्वविद्यालय के निविल इंजीनियरिंग  
डॉक्टर ऑफ फिलोसोफी की उपाधि से वर्ष 2021 में विभूषित किया गया।  
इनके शोध प्रबंध का विषय है :-

"Application of Computational Fluid Dynamics Techniques for Studying Wind Forces on HIP Roof Buildings".

DOCTOR OF PHILOSOPHY

This is to certify that

RAJENDRA PD. VERMA

has been

awarded to the degree of DOCTOR OF PHILOSOPHY  
in the subject CIVIL ENGINEERING of this University  
in the year 2021.

The title of his/her thesis is :-

"Application of Computational Fluid Dynamics Techniques for Studying Wind Forces on HIP Roof Buildings".



F7D90073



## Jadavpur University

Certified that

Bikash Ghoshal

was admitted to the Degree of Doctor of Philosophy in Engineering of the University on 06.11.2015 and that the degree was conferred on him/her at the Convocation held in December 2015 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of  
Jadavpur University is hereto affixed.



JADAVPUR UNIVERSITY

The 24th December, 2015



*Swaraj Das*  
Vice-Chancellor



# Birla Institute of Technology

(a deemed to be University under section 3 of UGC Act 1956)  
Mesra, Ranchi (INDIA)

*By the authority of the Board of Governors of the  
Birla Institute of Technology and upon recommendation  
of the Academic Council*

*Rajeev Kant*

*who has successfully defended the thesis on*

*Nineteenth August, Two Thousand Nineteen, entitled*

*Design and Performance Evaluation of Cellular Manufacturing System in  
Lean Environment*

*and has successfully completed the course of studies as per the prescribed regulations of the  
Institute for the award of*

*Doctor of Philosophy (Engineering )*

*and is entitled to all rights and honours thereto appertaining.*

*Witness the seal of the Institute and the signatures of its Officers this  
seventeenth day of March, two thousand and twenty.*

Pawne  
Controller of Examination

Oh  
Registrar

Indrani  
Vice Chancellor

C. K. Birla  
Chairman  
Board of Governors



# श्री वैंकटेश्वरा विश्वविद्यालय उत्तर प्रदेश

एन० एच० 24, राजपुर, बजीला, ज़िला अमृतपुर-244236, उत्तर प्रदेश (भारत)  
की कानूनकारी परिकल्पना विभाग परिषद की संस्थापित गर



Serial No / इम्प्रॉब्ल- 1000002

Enrollment No / अनुमति संख्या - SVU12026478

सरफराज करीम जिन्होंने डॉक्टर ऑफ़ फिलोसोफी की उपाधि हेतु निर्धारित पाठ्यक्रम जून-2016 में पूरा किया, वो उक्त उपाधि आज दिनांक 8-जून 2016 को विश्वविद्यालय अनुदान आयोग के अधिनियम 2009 के अनुरूप प्रदान की गयी।

मुख्य विषय - मैनेजमेंट

टीका - एह इस्कॉन्ट ऑफ़ हेस्टर्स यूनिव्यूज ऑफ़ ग्राहाम एवं एक्सेल एक्सामिनेशन ; दी सेप ग्रीष्म हन्दरे बृन्दावनी

On the recommendations of the Academic Council, the Executive Council of  
**SHRI VENKATESHWARA UNIVERSITY UTTAR PRADESH**

NH-24, Ralabpur, Gorakhpur, District - Amroha-244236, Uttar Pradesh (India)

**SARFARAZ KARIM** having completed the prescribed requirements for the **DOCTOR OF PHILOSOPHY** in **June-2016**, as per UGC regulation 2009, has been admitted to the said degree on this **8-June-2016**.

Major - **MANAGEMENT**

Title - **AN IMPACT OF FACEDRONE USAGE ON STUDENT SOCIAL AND ACADEMIC PERFORMANCE: THE CASE OF HARVARD UNIVERSITY**

कूलसाचिव  
Registrar

कूलपति  
Vice Chancellor

कूलप्रधारणी  
Chancellor



## BIRLA INSTITUTE OF TECHNOLOGY, MESHRA, RANCHI

[Deemed to be University under Section 3/UGC Act 1956]

### DOCTOR OF PHILOSOPHY

*This is to certify that Rath Ramesh Chandra, Regd. No:BIT/PhD. 124532/1997/  
Regular (Management), RollNo: BIT/P00013 has been conferred the degree of*

**Doctor of Philosophy**

**In**

**Management**

**From**

**Faculty of Management Studies of BIT, Mehra, Ranchi**

*He has submitted his PhD thesis entitled "An Impact of Empirical Testing Models Green Supply Chain Management in Asia: Emerging Cross Sectional analysis of Green Product production and Promotion", having fulfilled the Examination requirements of this university on 4th August 2000 for awarded.*

Birla Institute of Technology, Meshra  
The 17<sup>th</sup> August 2000



Vice-Chancellor

Dr. Rakesh Chandra Dutt



Durgapur, India

Ranjana

having submitted a thesis entitled  
*Studies On Sulphonamidoimidazolines and Hydropyrimidines  
as Corrosion Inhibitors*

in the

Department of Chemistry

and having satisfied all the conditions prescribed in this respect

The Board of Governors of the Institute upon the  
recommendation of the Senate duly admits  
the degree of

Doctor of Philosophy  
(Science)

under the seal of the Institute given at Durgapur on this  
Eighteenth day of September Two thousand and Ten

Chairman

Board of Governors

S. Venkateswaran  
Chairman  
Senate

Babasaheb Bhimrao Ambedkar Bihar University, Muzaffarpur

बाबासाहेब भीमराव अंबेदकर विश्वविद्यालय, मुजफ्फरपुर

लाइसेन्स/Degree Serial No.

26100903

## विद्या वारिधि



प्रमाणित किया जाता है कि

अविनाश कुमार

ने इस विश्वविद्यालय इलेक्ट्रीकल अभियन्त्रण विषय में  
इलेक्ट्रीकल संकाय के अन्तर्गत वर्ष २०१५ में विद्या वारिधि की  
इनके शोध का शीर्षक है :-

“मोनिटरिंग ऑफ सबस्टेशन यूजिंग माइक्रो कंट्रोलर बेस्ड  
मोनिटरिंग सिस्टम”

### Doctor of Philosophy

This is to certify that

AVINASH KUMAR

has been awarded the Degree of Doctor of  
Philosophy in the Subject Electrical Engineering  
Under the faculty of Electrical of this University in  
the year 2015. The Topic of his/her research is :-

**“ MONITORING OF SUBSTATION USING MICRO  
CONTROLLER BASED MONITORING SYSTEM ”**



बाबासाहेब भीमराव अंबेदकर विश्वविद्यालय, मुजफ्फरपुर  
Babasaheb Bhimrao Ambedkar Bihar University, Muzaffarpur

Date : 30 June 2018

कल्पना  
Vice-Chancellor

Indian Institute of Technology  
Delhi

Upon the recommendation of the Senate  
hereby confers the degree of

Doctor of Philosophy.

on *Amarendra Nath Sinha*

Thesis title :

"Thermoelastohydrodynamic Analysis of  
Spring-Supported Thrust Pad Bearing."

Given this day under the seal of the Institute at Delhi  
in the Republic of India.

The 15th August, 1994.

*Banerji*  
Director &  
Chairman, Senate. *Chairman*  
Board of Supervisors

*A. S.*  
Registrar



कृतिपत्र कला विभाग

रवीन्द्र कुमार

को

डॉक्टर ऑफ़ फिलोसफी

की उपाधि

समस्त सम्मानों विशेषाधिकारों व दायित्वों के साथ  
अठारह जून दो हजार चौदह को  
प्रदान की गयी।



THE BOARD OF GOVERNORS  
OF THE  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
UPON THE RECOMMENDATION OF THE SENATE  
HEREBY CONFERS ON  
**RAVINDRA KUMAR**  
THE DEGREE OF  
**DOCTOR OF PHILOSOPHY**  
WITH ALL HONOURS PRIVILEGES AND OBLIGATIONS  
THEREUNTO PERTAINING  
GIVEN AT KANPUR ON THIS EIGHTEENTH DAY OF JUNE  
TWO THOUSAND FOURTEEN

W.K.

Registration No 686 Year 00/02



This is to certify that  
Shreemant Raman  
who passed the examination  
of the degree of  
Doctor of Philosophy in *the faculty of Science*  
held in the month of  
*May, 2007.*  
was this day admitted  
to the degree.

Title of the Thesis : "A Comparison of  
The Dielectric Characteristics of  
Germanate Glasses Containing  
Vanadium And Sodium Ions."

V.K.S. UNIVERSITY  
ARA  
The 22nd May 2007

R.P.Singh  
Vice-Chancellor

T.M. BHAGALPUR UNIVERSITY

By the order of the Vice-Chancellor the undersigned candidate was declared successful on 28.4.2005 at the Ph.D. examination held in the month of April 2005.

Name of the candidate	Subject of the thesis
Rajani Kumari Prasad	"Synthesis and Reactions of oxygen containing Heterocyclic compounds (Isocumarins)".

A. S. /  
Controller of Examinations

Memo No. Reg/519-39 / Dated 16.6.2005

Copy forwarded to:-

1. Dr. Narendeshwar Ojha, Chemistry Deptt., A.N. College, Patna.
  2. Dr. Shivakar Thakur, 24/117, Vinay Nagar, Gwalior - 474012 (M.P.)
  3. Dr. B.K. Sarkhel (Supervisor), Uni. Professor of Chemistry, T.M. Bhag. Uni.
  4. Dr. (Mrs.) Rajani Kumari Prasad, C/o Sri Maheshwari Prasad, Nayak Tole, Bhikhanpur, Bhagalpur.
  5. Registrar of all the universities of Bihar.
  6. Association of Indian Universities, A.I.U. House, 16 Kotala Marg, New Delhi.
  7. Head of the P.G. Deptt. of Chemistry, T.M. Bhagalpur university.
  8. The Dean of the faculty of Science,
  9. Chairman, Inter University Board, 25 Sardar Patel Path, Shrikrishnapuri Patna-13.
  10. Education Commissioner, Education Deptt., Govt. of Bihar, Patna.
  11. S.O., Exam. 'C'
  12. Assstt., R. Cell
- { T.M. Bhagalpur university for information.

AM  
16-6-05

A. S. /  
Controller of Examinations

GUPTA/16/6/2005/



# SATHYABAMA

Nice, New Road, Sathyabama, Chennai - 600 119

Phone: 044-2450 3150 / 3151 / 3152 / 3154 / 3155 Fax: 044-2450 2344  
[www.sathyabama.ac.in](http://www.sathyabama.ac.in)

Register Number: 2011791106

Date: 28-08-2018

## PROVISIONAL CERTIFICATE - Ph.D.

This is to certify that **HARE RAM SAH** has qualified himself/herself for the award of the Degree of Doctor of Philosophy in Faculty of **COMPUTER SCIENCE AND ENGINEERING** on **11<sup>TH</sup> August, 2018** and he/she having been certified by duly appointed Examiners and approved by the Board of Management of Sathyabama Institute of Science and Technology.

Title : PRIVACY PRESERVING DATA MINING USING VISUAL STEGANOGRAPHY AND ENCRYPTION

14-09-18

Chennai - 600 119

Date: August 28, 2018

Registrar

Controller of Examinations





CMJ UNIVERSITY

# CMJ UNIVERSITY

MEGHALAYA

Estd. 2009 under Section 2f of UGC Act 1956

CMJP - 12482

Doctor of Philosophy (Ph. D.)

20.13.....

(Provisional Certificate)

This is to certify that the proposal for the Award of Ph. D. Degree in the Subject of  
Mechanical Engineering Under The Faculty of Engg. & Technology

To Shri/ Smt/ Km. A. Chok Ray

(Registration No) 80186910103401 Year 2011-2013

on the Topic: "Basic Causes of sickness of Industries and Remedial  
Measures for their Revival"

Ganetto Notification. Dated 11th July 17th 2009.

Shillong (Meghalaya)

Date 24<sup>th</sup> April 2013.



has been Awarded by the University as per UGC

  
Registrar

काशी हिन्दू विश्वविद्यालयः  
डॉक्टर ऑफ किलासॉफी

मेरी घोषणा छत्र उमीदवारा

इति नामा/नामनी

काशी हिन्दू विश्वविद्यालय २००४ तमे इसरीयवत्सरे

जपलाहड भैयनेटिक्स

इति विषये

डॉक्टर ऑफ किलासॉफी इत्युपाधि प्राप्तोदिति प्रमाणयति ।



काशी हिन्दू विश्वविद्यालय  
डॉक्टर ऑफ किलासॉफी

प्रमाणित किया जाता है कि

मेरी घोषणा छत्र उमीदवारा

को सन् २००४ की

जपलाहड भैयनेटिक्स

विषय में

काशी हिन्दू विश्वविद्यालय की डॉक्टर ऑफ किलासॉफी उपाधि प्रदान की गई ।



BANARAS HINDU UNIVERSITY

Doctor of Philosophy

*This is to certify that*

Shri Deependra Ojha

has been admitted to the degree of Doctor of Philosophy  
in the Subject \_\_\_\_\_ Applied Mathematics  
of the Banaras Hindu University in the year 2004 .

काल्पनिक/Title of the Thesis

Optimization Techniques in Mathematical Programming

स्थान- VARANASI

मात्रा FEBRUARY 03, 2006

लग्ज  
२३।१।१६



प्रमाणित किया जाता है कि

जय नारायण आदव

को,

जिन्होंने शक संवत् १८८४ के माघ मास

(तदनुसार करवरी १९०३ ई ५०)

में आयोजित

डॉक्टर ऑफ फिलोसोफी (फ़िलोनियरिंग)

परीक्षा उत्तीर्ण की,

आज यह उपाधि प्रदान की गयी।

Jyoti Das  
25/3/16

### शोध का विषय

हाइकवरल सामालिसिसओफ किनेमोटिक चैन्स हाइ  
सिलीनिजस थ्रुजिंग डिस्ट्रैब्यु कन्सोर्ट।

५५२२  
२५/३/१६

म.सी. विश्वविद्यालय, रोची

Mr. & Head  
M. Sc., Dept.  
NIT, Jamshedpur

मिशन एजेंसी, रोची

रोची



राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर  
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR  
(An Institute of National Importance)  
G.E. Road, Raipur - 492010 (C.G.)  
INDIA

ExamCell/PhD/PDC/ 28

Date: 23/03/2018

PROVISIONAL DEGREE CERTIFICATE

This is certified that *Mr. Arvind Kumar Shukla* (Roll No. 10329008) *S/o Late Shri R. J. Shukla* has successfully completed all the requirements as per the Ordinances of this Institute for the award of the degree of *Doctor of Philosophy* in the discipline of *Mechanical Engineering*.

The thesis entitled "*A Novel Method for Identification of Structural Characteristics of Planar Kinematic Chains*" submitted to the National Institute of Technology Raipur has been accepted by the Institute on the recommendations of the Oral Defense Committee (viva-voce board) on 06<sup>th</sup> January 2018.

The degree will be awarded in the next convocation.

Date: 28/03/2018



Dean Academics

RANCHI UNIVERSITY, RANCHI.



By order of the Vice-Chancellor, Ranchi University, Ranchi the undermentioned candidate is declared to have passed the Doctor of Philosophy (Faculty of Commerce) examination in Commerce held in the month of January, 2009.

Name of the candidate	Topic of the thesis
KETNAL VIKRAM	"Swarna Jayanti Gram Swarajgar Yojna: A Case Study of Management By Objective (MBO) In The Rural Development Management -With Special Reference to Tanda Block, Chas District, Jharkhand)"

Sd/-A.K.Mahato  
Controller of Examinations  
Ranchi University, Ranchi

Memo No. En 8654-63

Date: 24<sup>th</sup> January, 2009

Copy forwarded to:

1. The candidate concerned,
  2. The Supervisor - Dr. Mukund Chandra Mehra, Dept. of Commerce, Ranchi Women's College, Ranchi.
  3. The Dean, faculty of Commerce, Ranchi University, Ranchi
  4. The Head, University Deptt. of Commerce, Ranchi University, Ranchi
  5. The External examiner concerned
  6. The Registrars of all University in Jharkhand
  7. The Asstt. In-charge, Degree Section, R.U., Ranchi.
  8. The Librarian, National Library, Kolkata
  9. The Director of National Archives, New Delhi
- for information
10. The Editors :
- a Ranchi Express, Ranchi
  - b Prabhat Khabar, Ranchi
  - c Hindustan, Ranchi.

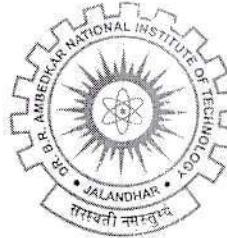
for favour of publication, free of cost, if they so desire.

*(Signature)*  
24/01/09  
Controller of Examinations  
Ranchi University, Ranchi.

*(Signature)*

*(Signature)*  
24/01/09

*(Signature)*



## डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अभिषद् की अनुशंसा पर  
विद्या वाचस्पति की उपाधि एतद्वारा  
महेन्द्र कुमार  
को प्रदान करता है।

शोध-प्रबन्ध शीर्षक : “परफॉर्मेंस ट्रेड ऑफ इन क्वालिटी ऑफ सर्विस फॉर आईईएच ८०२. ११ वायरलेस लैन्स”  
भारतीय गणराज्य के अन्तर्गत जालन्धर में आज दिनांक तीन अप्रैल २०१६ को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

**Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR**

*Upon the recommendation of the Senate hereby confers the degree of*

***Doctor of Philosophy***

on

**MAHENDRA KUMAR**

*Thesis title: "PERFORMANCE TRADEOFF IN QUALITY OF SERVICE FOR IEEE 802.11 WIRELESS LANS"*

*Given this day, the Third of April, 2016, under the seal of the Institute at Jalandhar in the Republic of India.*

अध्यक्ष, अभिशासक परिषद्  
Chairperson, Board of Governors

निदेशक एवं अध्यक्ष, अभिषद्  
Director & Chairman, Senate



कुलसचिव  
Registrar



Scorecard  
Number  
**VQXFB**

# GATE 2016 Scorecard

Graduate Aptitude Test in Engineering

Candidate's Details

Name

**JAYANTI**

Registration Number

**EE16SB2139377**

Examination Paper

**Electrical Engineering (EE)**



**Jayanti**

(Candidate's Signature.)

Bounds Candidate's Performance

**GATE Score**

**509**

Valid from March 23, 2016 to March 22, 2019

Mark out of 100\*

**39.08**

All India Rank in this paper

**5842**

Qualifying Marks\*\*

**25.1**

**22.5**

**16.7**

General

OBC (NCL)

SC/ST/PwD

Number of Candidates  
Appeared in this paper

**125859**

\* Normalized marks for multi-session papers

\*\* A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned in the relevant category for which a valid category certificate (if applicable) may be produced along with this scorecard.

Digital Fingerprint : 8b61076aaaf0e069ccb11615c08bac4db

*T. Bhattacharyya*

Prof. Tirthankar Bhattacharyya

March 23, 2016

Organizing Chairperson GATE2016 on behalf of NCB-GATE, for MHRD

The GATE 2016 score is calculated using the formula

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(M_t - M_q)}$$

where,

M is the marks obtained by the candidate in the paper, mentioned on this scorecard in GATE 2016

M<sub>q</sub> is the qualifying marks for general category candidate in the paper

M<sub>t</sub> is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)

S<sub>q</sub> = 350, is the score assigned to M<sub>q</sub>

S<sub>t</sub> = 900, is the score assigned to M<sub>t</sub>

In the GATE 2016 score formula, M<sub>q</sub> is 25 marks (out of 100) or  $\mu + \sigma$ , whichever is greater. Here  $\mu$  is the mean and  $\sigma$  is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2016 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

**Codes for XE and XL Paper Sections (compulsory section and any other two sections):**

**XE: Engineering Sciences**

**XL: Life Sciences**

A-Engineering Mathematics (compulsory)

H-Chemistry (compulsory)

B-Fluid Mechanics

I-Biochemistry

C-Material Science

J-Botany

D-Solid Mechanics

K-Microbiology

E-Thermodynamics

L-Zoology

F-Polymer Science and Engineering

M-Food Technology

G-Food Technology

Graduate Aptitude Test in Engineering (GATE) 2016 was organized by the Indian Institute of Science on behalf of the National Coordination Board (NCB) for the Department of Higher Education, Ministry of Human Resource Development (MHRD), Government of India.

Authenticity of this scorecard can be verified at the GATE 2016 website <http://gate.iisc.ernet.in>

# GATE 2011 SCORECARD

Name : ALOK KUMAR

Registration No. : EC-5224139

Signature of the Candidate :

Alok Kumar.



## PERFORMANCE IN GATE 2011

Examination Paper : EC - Electronics & Communication Engineering

Number of candidates appeared in this paper : 137853 All India Rank : 14382

Marks out of 100 : 30.00 GATE Score : 363

General (GN)

OBC

SC/ST/PD

Qualifying Mark\* : 26.11 23.50 17.41

Scorecard Valid Upto : March 14, 2013

Date : March 15, 2011

*Amitava DasGupta*

(Prof. Amitava DasGupta)

Organising Chairperson, GATE 2011

Indian Institute of Technology Madras

On behalf of the National Coordination Board,

Graduate Aptitude Test in Engineering

Department of Higher Education

Ministry of Human Resource Development (MHRD), Government of India (GoI)

ALOK KUMAR  
C/O MUKESH DIGARSE  
HOUSE NO-43, CENTURY ENCLAVE,  
NH-12, HOSHANGABAD ROAD,  
BHOPAL, M.P.  
PINCODE: 462026

\* A candidate is considered qualified if the marks secured are more than or equal to the qualifying mark mentioned for the category for which a valid category certificate, if applicable, is produced along with this scorecard.

See reverse side for an explanation of GATE Score and Codes of Paper Sections.

# GATE 2010 SCORECARD

Name : DAYA SHANKAR DIWAKAR

Registration No. : ME 8018371



Signature of the Candidate

Daya Shankar  
Diwakar.

## PERFORMANCE IN GATE 2010 held in February 2010

Examination Paper : ME - Mechanical Engineering

Number of candidates

appeared in this paper : 59338

All India Rank : 6883

Marks out of 100

: 020.00

GATE Score : 0354

Scorecard Valid Upto: March 14, 2012

Date: March 15, 2010

Chitralekha  
Mahanta

(Prof. Chitralekha Mahanta)

Organising Chairperson, GATE 2010

Indian Institute of Technology Guwahati

On behalf of the National Coordination Board,

Graduate Aptitude Test in Engineering

Department of Higher Education

Ministry of Human Resource Development (MHRD), Government of India (GOI)



NAME	DAYA SHANKAR DIWAKAR
ADDRESS	C/o RAMSEYAK BHAWAN BHAWAN VIHAR COLONY, P.O. VIT BI PASCHIM VANSI, NEW DELHI 110061
POSTAL INDEX CODE	243006
POSTAL INDEX CODE	2 4 3 0 0 6



SCORECARD NO. : 815821

See reverse side for an explanation of Qualifying Mark, GATE Score and Codes of Paper Sections.

# GATE 2010 SCORECARD

Name : MD HUSSAIN ANSARI

Registration No. : CS 6033237

Signature of the Candidate

Md. Hussain Ansari



## PERFORMANCE IN GATE 2010 held in February 2010

Examination Paper : CS - Computer Sc & Information Tech

Number of candidates appeared in this paper : 107086 All India Rank : 14044

Marks out of 100 : 023.00 GATE Score : 0341

Scorecard Valid Upto: March 14, 2012

Date: March 15, 2010

Chitralekha Mahanta

(Prof. Chitralekha Mahanta)

Organising Chairperson, GATE 2010

Indian Institute of Technology Guwahati

On behalf of the National Coordination Board,  
Graduate Aptitude Test in Engineering  
Department of Higher Education

Ministry of Human Resource Development (MHRD), Government of India (GOI)



NAME: MD.HUSSAIN ANSARI  
ADDRESS: S/o.-MD. RAZZAK ANSARI  
VILL.-UKRID, P.O.-B.S.CITY  
DIST.-BOKARO JHARKHAND  
PIN CODE: 827001



SCORECARD NO. : 632370

See reverse side for an explanation of Qualifying Mark, GATE Score and Codes of Paper Sections.



Scorecard  
Number  
**R9ILR**

# GATE 2016 Scorecard

## Graduate Aptitude Test in Engineering

Candidate's Details

Name

**PANKAJ KUMAR RAY**

Registration Number

**EC16S44021064**

Examination Paper

**Electronics and Communication Engineering (EC)**



*Pankaj Kr. Ray*

(Candidate's Signature)

Bounds Candidate's Details

**GATE Score** **405**

Valid from March 23, 2016 to March 22, 2019

Mark out of 100\* **29.26**

All India Rank in this paper

**12348**

Qualifying Marks\*\* **25.0**    **22.5**    **16.6**

Number of Candidates  
Appeared in this paper

**152318**

General    OBC (NCL)    SC/ST/PwD

\* Normalized marks for multi-session papers.

\*\* A candidate is considered qualified if the marks scored are greater than or equal to the qualifying marks mentioned in the relevant category for which a valid category certificate, if applicable, must be produced along with this scorecard.

Digital Fingerprint : ea495d5c23b70609db96880551fa9da0

March 23, 2016

Prof. Tirthankar Bhattacharyya

Organizing Chairperson GATE2016 on behalf of NCB-GATE, for MHRD

*T. Bhattacharyya*

Organizing Institute for GATE 2016 - Indian Institute of Science

The GATE 2016 score is calculated using the formula

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(M_t - M_q)}$$

where,

$M$  is the marks obtained by the candidate in the paper, mentioned on this scorecard in GATE 2016

$M_q$  is the qualifying marks for general category candidate in the paper

$M_t$  is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)

$S_q = 350$ , is the score assigned to  $M_q$ ,

$S_t = 900$ , is the score assigned to  $M_t$ .

In the GATE 2016 score formula,  $M_q$  is 25 marks (out of 100) or  $\mu + \sigma$ , whichever is greater. Here  $\mu$  is the mean and  $\sigma$  is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2016 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

**Codes for XE and XL Paper Sections (compulsory section and any other two sections) :**

**XE: Engineering Sciences**

A-Engineering Mathematics (compulsory)

B-Fluid Mechanics

C-Material Science

D-Solid Mechanics

E-Thermodynamics

F-Polymer Science and Engineering

G-Food Technology

**XL: Life Sciences**

H-Chemistry (compulsory)

I-Biochemistry

J-Botany

K-Microbiology

L-Zoology

M-Food Technology

Graduate Aptitude Test in Engineering (GATE) 2016 was organized by the Indian Institute of Science on behalf of the National Coordination Board (NCB) for the Department of Higher Education, Ministry of Human Resource Development (MHRD), Government of India.

Authenticity of this scorecard can be verified at the GATE 2016 website <http://gate.iisc.ernet.in>

# GATE 2011 SCORECARD

ROHI PRASAD

ME 3055354



Rohi

## PERFORMANCE IN GATE 2011

ME - Mechanical Engineering

No. of Candidates  
Answered this paper:

81175

All India Rank

6544

No. of 100

39.00

GATE Score

404

General (GN)

OBC

SC/ST/PD

30.81

27.73

20.54

Qualifying Mark\*

Scorecard Valid Upto : March 14, 2013

Date : March 15, 2011

*Amitava DasGupta*

(Prof. Amitava DasGupta)

Organising Chairperson, GATE 2011

Indian Institute of Technology Madras

On behalf of the National Coordination Board.

Graduate Aptitude Test in Engineering

Department of Higher Education

Ministry of Human Resource Development (MHRD), Government of India (GoI)

ROHI PRASAD  
S/O-RAJENDRA PRASAD  
AT-RAISER  
POST-BASUDEOPUR  
DIS-MUNGER(BIHAR)  
PINCODE: 811202



\* A candidate is considered qualified if the marks secured are more than or equal to the qualifying mark mentioned for the category for which a valid category certificate, if applicable, is produced along with this scorecard.

See reverse side for an explanation of GATE Score and Codes of Paper Sections.

# GATE 2012 SCORECARD

18

SIDHLAL HEMBRAM

Registration No.

CE 6065424

Nature of the  
candidate

Sidhlal Hembaram



## PERFORMANCE IN GATE 2012

Admission Paper	CE - Civil Engineering		
Number of candidates appeared in this paper:	36156	All India Rank :	13092
Marks out of 100	23.33	GATE Score	190
	General (GN)	OBC	SC/ST/PD
Qualifying Mark*	33.03	29.73	22.02

Scorecard Valid Upto : March 14, 2014

Valid Till : March 15, 2012



Ministry of Human Resource Development (MHRD), Government of India (GoI)

(Prof. M. Jagadesh Kumar)

Organizing Chairperson, GATE 2012

Indian Institute of Technology Delhi

On behalf of the National Coordination Board,

Graduate Aptitude Test in Engineering

Department of Higher Education

SIDHLAL HEMBRAM  
AT-AZAD NAGAR AHAR TOLA  
PO-SIWANDIH  
DIST-BOKARO  
STATE-JHARKHAND  
PIN: 827010

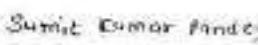
Candidate is considered qualified if the marks secured are more than or equal to the qualifying mark intimated for the category for which a valid category certificate, if applicable, is produced along with this scorecard.

See reverse side for an explanation of GATE Score and Codes of Paper Sections.

# GATE 2011 SCORECARD

Name : SUMIT KUMAR PANDEY

Registration No. : ME 3089108

Signature of the Candidate : 



## PERFORMANCE IN GATE 2011

Examination Paper : ME - Mechanical Engineering

Number of candidates appeared in this paper : 81175 All India Rank : 7678

Marks out of 100 : 37.00 GATE Score : 383

General (GN) OBC SC/ST/PO

Qualifying Mark\* : 30.81 27.73 20.54

Scorecard Valid Upto : March 14, 2013

Date : March 15, 2011

*Amitava DasGupta*

(Prof. Amitava DasGupta)

Organizing Chairperson, GATE 2011

Indian Institute of Technology Kharagpur

On behalf of the National Coordination Board

Graduate Aptitude Test in Engineering

Department of Higher Education

Ministry of Human Resource Development (MHRD), Government of India (GoI)

SUMIT KUMAR PANDEY

20-A

SOMDUTT VIHAR

MEERUT

U.P.

PINCODE: 250004



\* A candidate is considered qualified if the marks secured are more than or equal to the qualifying mark mentioned for the category for which a valid category certificate, if applicable, is produced along with this scorecard.

See reverse side for an explanation of GATE Score and Codes of Paper Sections.

# GATE 2014 Scorecard

Graduate Aptitude Test in Engineering

Candidate's Details



3V9E3

(QR Code to validate this Scorecard)

Candidate's Information

Bounds

Name

UTTAM KUMAR DAS

Registration Number

EE404007018

Examination Paper

Electrical Engineering (EE)



Uttam Kumar Das

(Candidate's Signature)

GATE Score

238

Valid from March 28, 2014 to March 27, 2016

Marks out of 100

18.33

Normalized Marks out of 100

17.14

Qualifying Marks\*

25.00

22.50

16.67

General

OBC (NCL)

SC/ST/PwD

All India Rank in this paper

30132

Number of candidates appeared in this paper

141799

\*A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which a valid Category Certificate, if applicable, is produced along with this scorecard.

See reverse side for an explanation and security features of this Scorecard.

Digital fingerprint : 5b907ffa7e61957d30cb8aa046c7aa2

March 28, 2014

Organizing Chairperson, GATE 2014, on behalf of NCB-GATE, for MHRD

Prof. G.P. Raja Sekhar  
Organizing Chairperson, GATE 2014, on behalf of NCB-GATE, for MHRD

Electronic Certificate No.: 151020343



**University Grants Commission**  
NATIONAL EDUCATIONAL TESTING BUREAU



**NATIONAL ELIGIBILITY TEST FOR ASSISTANT PROFESSOR**

UGC Ref. No: 20343/(OBC)(NET-JUNE 2015) Roll No: 30011118

Certified that NISHANT KUMAR



Son/Daughter of SHEO SHANKAR PRASAD

and MEENA GUPTA

had applied for the UGC-NET for  
eligibility for Assistant Professor held on 28-06-2015 in the OBC category and  
qualified by securing marks at par with the qualifying cut-off for OBC category  
in the subject COMPUTER SCIENCE AND APPLICATIONS

The date of qualifying NET is 29th Sep., 2015, which is also the date of  
declaration of the result.

This is an electronic certificate only and its authenticity should be verified from the UGC  
by the employer. This electronic certificate can also be verified by scanning QR Bar Code  
printed on the electronic certificate.

Validity of this electronic certificate is forever.

Head  
NET Bureau

Date of Issue: 27-04-2016

Note: a) UGC has issued the electronic certificate on the basis of information provided by the candidate in his/her Application Form. The appointing authority should verify the original records/certificates of the candidate while considering him/her for appointment, as the Commission is not responsible for the same. The candidate must fulfil the minimum eligibility conditions for NET within two years from the date of declaration of UGC-NET result.

b) Wherever SC/ST/OBC/PWD is shown in the UGC Ref. No., the institution/recruitment body should check the relevant documents of that category.



## GOVERNMENT OF ANDHRA PRADESH



STATE ELIGIBILITY TEST FOR ASSISTANT PROFESSOR / LECTURER

Conducted by

*Andhra University*

Visakhapatnam-530003



Re-Accredited with 'A' Grade by NAAC with 3.60 out of 4 scale  
 G.O.Ms.No. 47/Higer Education (CE) Department dt.: 02-12-2015.  
 UGC Letter No. F.7-10/2012 (NET/SET) dt.: 27-06-2019.  
 (Valid in the State of Andhra Pradesh only)



APSET Ref. No. APSLET/4057/2021 Roll No. 011908174

Certified that Vikash Prasad MandalSon/Daughter of Amiya Bai (Mother)and Sugan Mandal (Father)has applied for APSET for Eligibility for Assistant Professor held on 31<sup>st</sup>October 2021 in the Subject PHYSICAL SCIENCES under theCategory UR

As per the information provided by the candidate, he/she had completed / not completed his/her Master's degree or equivalent examination at the time of applying for APSET.

The date of Eligibility for Assistant Professor is the date of declaration of APSET result, i.e. 22-11-2021 or the date of completion of Master's degree or equivalent examination with required percentage of marks within two years from the date of declaration of SET result i.e. by 22-11-2021 whichever is later. The authenticity of this certificate should be verified from the SET Agency by the employer. It can also be verified by scanning QR Bar Code Printed on the Certificate.

Validity of this certificate is forever.

*[Signature]*  
 Member Secretary  
 APSET

*[Signature]*  
 Chairman  
 APSET

**Date of Issue:** 01-12-2021

Note: APSET has issued the certificate on the basis of information provided by the candidate in his/her Application Form. The appointing authority should verify the original records/ certificates of the candidate while considering him/her for appointment as the APSET is not responsible for the same. The candidate must fulfill the minimum eligibility for SET as laid down in the notification for the said SET.

# GATE 2012 SCORECARD

Name : MAHMOOD ALAM

Registration No. : ME 4011112

Signature of the Candidate :

Mahmood Alam



## PERFORMANCE IN GATE 2012

Examination Paper : ME - Mechanical Engineering

Number of candidates appeared in this paper : 112320 All India Rank : 11146

Marks out of 100 : 32.00 GATE Score : 363

Qualifying Mark\* : General (GN) 27.14 OBC 24.42 SC/ST/PD 18.09

Scorecard Valid Upto : March 14, 2014

Date : March 15, 2012



Ministry of Human Resource Development (MHRD), Government of India (GoI)

M Jagadesh Kumar

(Prof. M. Jagadesh Kumar)

Organizing Chairperson, GATE 2012

Indian Institute of Technology Delhi

On behalf of the National Coordination Board,

Graduate Aptitude Test in Engineering

Department of Higher Education

MAHMOOD ALAM  
OPP. MINING OFFICE KARMA  
POST-KARMA  
PS-JHUMRI TELAIYA, DIS-KODERMA  
JHARKHAND  
PIN: 825409

\* A candidate is considered qualified if the marks secured are more than or equal to the qualifying mark mentioned for the category for which a valid category certificate, if applicable, is produced along with this scorecard.

See reverse side for an explanation of GATE Score and Codes of Paper Sections.

Name : NIRAJ KUMAR

Registration No. : EE 4010314

Signature of the Candidate

Niraj Kumar



### PERFORMANCE IN GATE 2011

Paper : EE - Electrical Engineering

Number of candidates appeared in this paper:

72680

All India Rank :

18066

Marks out of 100

21.33

GATE Score

247

General (GN)

OBC

SC/ST/PD

26.08

23.47

17.39

Score card Valid upto : March 14, 2013

Date : March 15, 2011

Amitava Bhattacharya

(Prof. Amitava Bhattacharya)

Organising Chairperson, GATE 2011

Indian Institute of Technology, Kharagpur

On behalf of the National Coordinating Committee

Graduate Aptitude Test in Engineering

Department of Higher Education

Ministry of Human Resource Development (MHRD), Government of India (GATE)

NIRAJ KUMAR

NAME: NIRAJ KUMAR

ADDRESS: JATUDIH COLONY Q.NO.JM-

463, POST: MOONIATH, THANA-

PUTKI, DIST- DHANBAD, STATE-

JHARKHAND PIN CODE: 828129



\* A candidate is considered qualified if the marks secured are more than or equal to the qualifying marks mentioned for the category for which a valid category certificate, if applicable, is produced along with this score card.

See reverse side for an explanation of GATE Score and Codes of Paper Sections.



# GATE 2018 Scorecard

## Graduate Aptitude Test in Engineering

### Candidate's Details

Name

ANANT KUMAR



Registration Number

EE18S66032423

Examination Paper

Electrical Engineering (EE)

(Candidate's Signature)

### Performance

Marks out of 100\*

33.33

Valid from March 17, 2018 to March 16, 2021

Qualifying Marks\*\*

29.1

26.1

19.4

General

OBC (NCL)

SC/ST/PwD

GATE Score

397

All India Rank in this paper

12373

Number of Candidates  
Appeared in this paper

121383

\* Normalized marks for multi-session papers

\*\* A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this scorecard

Digital Fingerprint: 14895da8df5207a3636c12358d1f3230

Prof. G. Pugazhenthi

March 17, 2018

Organizing Chairman, GATE 2018  
(on behalf of NCB – GATE, for MHRD)

The GATE 2018 score is calculated using the formula

$$GATE \text{ Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(M_t - M_q)}$$

where,

$M$  is the marks obtained by the candidate in the paper, mentioned on this GATE 2018 scorecard

$M_q$  is the qualifying marks for general category candidate in the paper

$M_t$  is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)

$S_q = 350$ , is the score assigned to  $M_q$

$S_t = 900$ , is the score assigned to  $M_t$

In the GATE 2018 score formula,  $M_q$  is 25 marks (out of 100) or  $\mu + \sigma$ , whichever is greater. Here  $\mu$  is the mean and  $\sigma$  is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2018 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

### Codes for XE and XL Paper Sections (compulsory section and any other two sections)

#### XE: Engineering Sciences

- A – Engineering Mathematics (compulsory)
- B – Fluid Mechanics
- C – Materials Science
- D – Solid Mechanics
- E – Thermodynamics
- F – Polymer Science and Engineering
- G – Food Technology
- H – Atmospheric and Oceanic Sciences

#### XL: Life Sciences

- P – Chemistry (compulsory)
- Q – Biochemistry
- R – Botany
- S – Microbiology
- T – Zoology
- U – Food Technology



# GATE 2020 Scorecard

## Graduate Aptitude Test in Engineering

Name

**NITYANAND KUMAR**

Registration Number

**CE20S74019064**

Examination Paper

**Civil Engineering (CE)**



*Nityanand Kumar*

(Candidate's Signature)

Marks out of 100\*

**39.61**

Qualifying Marks\*\*

**32.9**

**29.6**

**21.9**

All India Rank  
in this paper

**11251**

GEN/EWS

OBC (NCL)

SC/ST/PwD

GATE Score

**423**

Number of Candidates  
appeared in this paper

**125974**

Valid from March 18, 2020 to March 17, 2023

\* Normalized marks for Civil Engineering and Mechanical Engineering Papers

\*\* A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this scorecard

Qualified

March 18, 2020

**Prof. B. R. Chahar**  
Organizing Chairman, GATE 2020  
(on behalf of NCB – GATE, for MHRD)



8b4ce21bac9301b493d93dd7f79942e6

Qualifying in GATE 2020 does not guarantee either an admission to a post-graduate programme or a scholarship/assistantship. Admitting institutes may conduct further tests or interviews for final selection.

In the GATE 2020, the qualifying marks for a general category candidate in each paper is  $\mu + \sigma$  or 25 marks (out of 100), whichever is greater, where  $\mu$  is the mean and  $\sigma$  is the standard deviation of marks of all the candidates who appeared in the paper. The qualifying marks for OBC(NCL) and SC/ST/PwD candidates are 90% and two-third of a general category candidate in the paper respectively.

The GATE 2020 score was calculated using the formula

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(\bar{M}_t - M_q)}{(\bar{M}_t - M_q)}$$

where

$M$  is marks (out of 100) obtained by the candidate in the paper

$M_q$  is the qualifying marks for general category candidate in the paper

$\bar{M}_t$  is the mean of marks of top 0.1% or top 10 (whichever is greater) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)

$S_q = 350$ , is the score assigned to  $M_q$

$S_t = 900$ , is the score assigned to  $\bar{M}_t$

In multi-session (Civil Engineering and Mechanical Engineering) papers, the normalized mark of  $j^{th}$  candidate in the  $i^{th}$  session  $\hat{M}_{ij}$  was computed using the formula

$$\hat{M}_{ij} = \frac{\bar{M}_t^g - M_q^g}{\bar{M}_{ti} - M_{iq}} (M_{ij} - M_{iq}) + M_q^g$$

where

$M_{ij}$  is the actual marks obtained by the  $j^{th}$  candidate in  $i^{th}$  session

$\bar{M}_t^g$  is the average marks of the top 0.1% of the candidates considering all sessions

$M_q^g$  is the sum of mean and standard deviation marks of the candidates in the paper considering all sessions

$\bar{M}_{ti}$  is the average marks of the top 0.1% of the candidates in the  $i^{th}$  session

$M_{iq}$  is the sum of the mean marks and standard deviation of the  $i^{th}$  session

Graduate Aptitude Test in Engineering (GATE) 2020 was organised by Indian Institute of Technology Delhi on behalf of the National Coordination Board (NCB) – GATE for the Department of Higher Education, Ministry of Human Resources Development (MHRD), Government of India.



# GATE 2019 Scorecard

## Graduate Aptitude Test in Engineering

Candidate's Details

Name

DIKSHA



Performance

Registration Number

EE19S64023040

Examination Paper

Electrical Engineering (EE)

Diksha

(Candidate's Signature)

Marks out of 100\*

76.67

Valid from March 17, 2019 to March 16, 2022

Qualifying Marks\*\*

39.6

35.6

26.4

General

OBC (NCL)

SC/ST/PwD

GATE Score

743

All India Rank in this paper

1292

Number of Candidates  
Appeared in this paper

112097

\* Normalized marks for multi-session papers

\*\* A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this scorecard

Digital Fingerprint: 717916a431703f37efc4f28f76bd0d35

N. J. Vasa  
Prof. Nilesh J. Vasa

March 17, 2019

Organizing Chairman, GATE 2019  
(on behalf of NCB - GATE, for MHRD)

The GATE 2019 score is calculated using the formula

$$\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

 $M$  is the marks obtained by the candidate in the paper, mentioned on this GATE 2019 scorecard $M_q$  is the qualifying marks for general category candidate in the paper $\bar{M}$ , is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions) $S_q = 350$ , is the score assigned to  $M_q$  $S_t = 900$ , is the score assigned to  $\bar{M}$ In the GATE 2019 score formula,  $M_q$  is 25 marks (out of 100) or  $\mu + \sigma$ , whichever is greater. Here  $\mu$  is the mean and  $\sigma$  is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2019 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

## Codes for XE and XL Paper Sections (compulsory section and any other two sections)

## XE: Engineering Sciences

- A - Engineering Mathematics (compulsory)
- B - Fluid Mechanics
- C - Materials Science
- D - Solid Mechanics
- E - Thermodynamics
- F - Polymer Science and Engineering
- G - Food Technology
- H - Atmospheric and Oceanic Sciences

## XL: Life Sciences

- P - Chemistry (compulsory)
- Q - Biochemistry
- R - Botany
- S - Microbiology
- T - Zoology
- U - Food Technology

Graduate Aptitude Test in Engineering (GATE) 2019 was organized by Indian Institute of Technology Madras on behalf of the National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Human Resource Development (MHRD), Government of India.

# GATE 2012

## Graduate Aptitude Test in Engineering

Organizing Institute:  
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New Delhi - 110 016



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### GATE 2012 - RESULTS

Registration Number:	CS 4045189		
Name of the Candidate:	BHASKRA NAND		
Examination Paper:	CS - Computer Science and Information Technology		
Marks Obtained:	33 Out of 100		
GATE Score:	330		
All India Rank:	18574		
No of Candidates Appeared in CS:	156780		
Qualifying Marks for CS:	General	OBC (Non-Creamy)	SC / ST / PD
	31.54	28.39	21.03
Regarding Admission to IIT Bombay, Contact Academic Office	web page - <a href="http://www.iitb.ac.in/acad">http://www.iitb.ac.in/acad</a> , Phone - 022-2576 7066 or 4008 email - pgadm[at]iitb.ac.in		

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## NATIONAL ELIGIBILITY TEST FOR ASSISTANT PROFESSOR

NTA Ref. No: 200510510937

Roll No: JH0250900095



Certified that SWETA KUMARI

Son/Daughter of RAJKUMARI DEVI

and BALESHWAR LALL

has qualified

the UGC-NET for eligibility for Assistant Professor held on 01st October,2020 in the subject

ENGLISH

As per information provided by the candidate, he/she had completed/appeared or was pursuing his/her Master's degree or equivalent examination in the related subject at the time of applying for UGC-NET

The date of eligibility for Assistant Professor is the date of declaration of UGC-NET result, i.e., 30th November,2020, or the date of completion of Master's degree or equivalent examination with required percentage of marks within two years from the date of declaration of UGC-NET result, i.e. by 29th November,2022, whichever is later

This is an electronic certificate only, its authenticity and category in which the candidate had appeared should be verified from National Testing Agency (NTA) by the institution/appointing authority. This electronic certificate can also be verified by scanning the QR Code

The validity of this electronic certificate is forever

Date of issue: 10.12.2020

Jubarashan

Senior Director, NTA

Note: NTA has issued the electronic certificate on the basis of information provided by the candidate in his/her online Application Form. The appointing authority should verify the original records/certificates of the candidate while considering him/her for appointment, as the NTA will not be liable for any false information provided by the candidate. The NTA is only responsible for the result which can be verified from the repository available in the website of NTA ([ugcnet.nta.nic.in](http://ugcnet.nta.nic.in)). The candidate must fulfil the minimum eligibility conditions as laid down in the notification for UGC-NET.