

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

GRADE_4DUALONE

GRADE REPORT

March 25, 2021

Page 1 of 1

ROLL NO : 19106036

NAME : SWAPNIL ANKUSH SAWALKAR

 DEPARTMENT : MATERIALS SCIENCE & ENGG.
 PROGRAMME : MASTER OF TECHNOLOGY

YEAR/SEM	COURSE NO	TITLE	CREDIT	GRADE	SPI	CPI
2019-20 FIRST	MSE615A	STRUCTURE AND CHARACTERIZATION OF MATERIALS	9	B		
	MSE626A	TRANSPORT PHENOMENA	9	C		
	MSE670A	SOLIDIFICATION PROCESSING	9	B		
	MSE671A	HEAT TREATMENT AND SURFACE HARDENING	9	B		
	MSE690A	SEMINAR PARTICIPATION	0	S		
					7.50	7.50
2019-20 SECOND	MSE616A	THERMODYNAMICS OF MATERIALS	9	A		
	MSE617A	MATHEMATICS AND COMPUTATIONAL METHODS	9	A		
	MSE646A	X-RAY CRYSTALLOGRAPHY - I	9	A		
	MSE661A	FRACTURE, FATIGUE AND CREEP: MATERIALS AND MODELS	9	B		
					9.50	8.50
2020-21 FIRST	MSE699	M.TECH THESIS	36	36S		
					8.50	

Total Course Credit 72**Thesis Credit: 36****THE STUDENT HAS NOT YET COMPLETED THE PROGRAMME.**

GRADES: A*:Outstanding A:Excellent B:Good C:Average D:Marginal E:Exposure F:Fail
 S:Satisfactory X=Unsatisfactory W=Waiver #:Extra Course

Numerical Values: A*:10 A:10 B:8 C:6 D:4 E:2 F:0 S:- X:- S/R:Substituted/Repeated

SPI = Semester Performance Index

CPI = Cumulative Performance Index

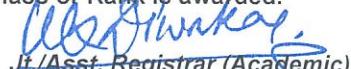
Maximum CPI : 10.0

Minimum Graduating CPI: B.Tech/BS:4.0 M.Sc (2 year):6.0 M.Tech/M.Des/MBA/MS(By Research):6.50 Ph.D:7.00

DISTINCTION is awarded to B.Tech/BS students with a CPI of 8.50 or more. No Class or Rank is awarded.

Academic Affairs Office, IIT Kanpur

March 25, 2021


 Jt./Asst. Registrar (Academic)

संयुक्त कुलसचिव (शैक्षिक कार्य)

Joint Registrar (Academic Affairs)

भारतीय प्रौद्योगिकी संस्थान, कानपुर

Indian Institute of Technology, Kanpur

Roll Number:	19106036	Student Name:	Swapnil Ankush Sawalkar
Programme:	M TECH	Department:	MATERIALS SCIENCE & ENGINEERING (MSE).
Current CPI:	8.50	Current Course Credits:	72

Disclaimer: The credits shown below are based on data migrated from earlier systems of IIT Kanpur. In case of any discrepancy, you are requested to contact DOAA department for resolution.

S.No.	Academic Session	Semester	Course ID	Course Name	Course Type	Grade	Credits	Repeat/Substitute	Repeat/Substitute Course
1	2019-20	1	MSE690A	SEMINAR PARTICIPATION	PRF	S	0		
2	2019-20	1	MSE615A	STRUCTURE AND CHARACTERIZATION OF MATERIALS	DC	B	9		
3	2019-20	1	MSE626A	TRANSPORT PHENOMENA	DC	C	9		
4	2019-20	1	MSE670A	SOLIDIFICATION PROCESSING	DE	B	9		
5	2019-20	1	MSE671A	HEAT TREATMENT AND SURFACE HARDENING	DE	B	9		
									CPI/SPI --7.5 / 7.5
6	2019-20	2	MSE617A	MATHEMATICS AND COMPUTATIONAL METHODS	DC	A	9		
7	2019-20	2	MSE616A	THERMODYNAMICS OF MATERIALS	DC	A	9		
8	2019-20	2	MSE646A	X-RAY CRYSTALLOGRAPHY - I	DE	A	9		
9	2019-20	2	MSE661A	FRACTURE, FATIGUE AND CREEP: MATERIALS AND MODELS	DE	B	9		
									CPI/SPI --8.5 / 9.5

Current Course(s)

S.No.	Academic Session	Semester	Course ID	Course Name	Course Type	Credits	Repeat/Substitute	Repeat/Substitute Course
NO DATA FOUND								



SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

GANESHKHIND, PUNE 411 007.



STATEMENT OF MARKS FOR

F. E. (2014 COURSE) EXAMINATION, MAY 2015
BRANCH CODE: 05

SEAT NO. F120430792 CENTRE SADE PERM REG. NO. 71545229M
NAME SWAPNIL ANKUSH SAWALKAR SANGITA
COLLEGE SINHAGAD ACADEMY OF ENGINEERING, KONDHAWA : MOTHER :

SUBJECTS		MARKS					
CODE	NAME	TOTAL		OE	TH	OBT.	
		MAX	MIN	MIN	15	15	50

SEM. : 1							

107001	ENGINEERING MATHEMATICS I	PP	100	40	47	34	81	P C
107001	ENGINEERING MATHEMATICS I	TW	25	10			24	P C
107002	ENGINEERING PHYSICS	PP	100	40	42	25	67	P C
107002	ENGINEERING PHYSICS	TW	25	10			20	P C
110003	FUNDAMENTALS OF PROG. LANG. I	PR	50	20			32	P C
103004	BASIC ELECTRICAL ENGG.	PP	100	40	35	36	71	P C
103004	BASIC ELECTRICAL ENGG.	TW	25	10			23	P C
101005	BASIC CIVIL AND ENV. ENGG.	PP	100	40	35	26	61	P C
101005	BASIC CIVIL AND ENV. ENGG.	TW	25	10			22	P C
102006	ENGINEERING GRAPHICS I	PP	100	40	43	38	81	P C
111007	WORKSHOP PRACTICES	TW	50	20			40	P C

SEM. : 2

107008	ENGINEERING MATHEMATICS II	PP	100	40	46	27	75	P
107009	ENGINEERING CHEMISTRY	PP	100	40	36	21	57	P
107009	ENGINEERING CHEMISTRY	TW	25	10			20	P
110010	FUNDAMENTALS OF PROG. LANG. II	PR	50	20			33	P
101011	ENGINEERING MECHANICS	PP	100	40	31	15	46	P
101011	ENGINEERING MECHANICS	TW	25	10			22	P
104012	BASIC ELECTRONICS ENGG.	PP	100	40	36	31	67	P
104012	BASIC ELECTRONICS ENGG.	TW	25	10			21	P
102013	BASIC MECHANICAL ENGG.	PP	100	40	33	20	53	P
102013	BASIC MECHANICAL ENGG.	TW	25	10			20	P
102014	ENGINEERING GRAPHICS II	TW	50	20			46	P

GRAND TOTAL = 982/1400 , RESULT: FIRST CLASS WITH DISTINCTION

MEDIUM OF INSTRUCTION : ENGLISH

18531

03 JULY 2015

CONTROLLER OF EXAMINATIONS

#0.4 & = 0.163

AA-ABSENT P-PREVIOUS FFF-FAIL IN COURSE INT-INTERNAL UEX-UNIVERSITY EXAMINATION PR-PRACTICAL EXAMINATION

STATEMENT NO.:

\$=0.1 @=0.1&0.163

DATE :

*= CURRENT APPEARANCE



SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND, PUNE 411 007.

STATEMENT OF MARKS FOR

S. E. (2014 COURSE) EXAMINATION, MAY 2016
BRANCH: 12-S. E. (2014 PAT.) (MECHANICAL)

SEAT NO. S140431067 CENTRE SADE PERM REG. NO.: 71545229M
NAME SWAPNIL ANKUSH SAWALKAR MOTHER: SANGITA
COLLEGE SINHAGAD ACADEMY OF ENGINEERING, KONDHAWA

SUBJECTS MARKS

CODE	NAME	SAVITRIBAI PHULE PUNE UNIVERSITY	TOTAL	OE	TH	OBT.
				MIN	15	15
			MAX	MIN Out of	50	50

SEM. : 1

202041	MANUFACTURING PROCESS-I	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	39	31	70	P C
202042	COMPUTER AIDED MACHINE DRAWING	SAVITRIBAI PHULE PUNE UNIVERSITY	PR	50	20	SAVITRIBAI PHULE PUNE UNIVERSITY	33		33	P C
202043	THERMODYNAMICS	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	33	24	57	P C
202043	THERMODYNAMICS	SAVITRIBAI PHULE PUNE UNIVERSITY	DR	50	20	SAVITRIBAI PHULE PUNE UNIVERSITY	43		43	P C
202044	MATERIAL SCIENCE	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	45	28	73	P C
202044	MATERIAL SCIENCE	SAVITRIBAI PHULE PUNE UNIVERSITY	TW	25	10	SAVITRIBAI PHULE PUNE UNIVERSITY	22		22	P C
202045	FLUID MECHANICS	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	20	31	51	P C
202045	FLUID MECHANICS	SAVITRIBAI PHULE PUNE UNIVERSITY	DR	50	20	SAVITRIBAI PHULE PUNE UNIVERSITY	35		35	P C
202046	WORKSHOP PRACTICE II	SAVITRIBAI PHULE PUNE UNIVERSITY	TW	25	10	SAVITRIBAI PHULE PUNE UNIVERSITY	20		20	P C
202047	SOFT SKILLS	SAVITRIBAI PHULE PUNE UNIVERSITY	TW	25	10	SAVITRIBAI PHULE PUNE UNIVERSITY	18		18	P C
207002	ENGINEERING MATHEMATICS III	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	42	24	66	P C
207002	ENGINEERING MATHEMATICS III	SAVITRIBAI PHULE PUNE UNIVERSITY	TW	25	10	SAVITRIBAI PHULE PUNE UNIVERSITY	24		24	P C

SEM. : 2

202048	THEORY OF MACHINES I	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	35	28	63	P P
202048	THEORY OF MACHINES I	SAVITRIBAI PHULE PUNE UNIVERSITY	TW	25	10	SAVITRIBAI PHULE PUNE UNIVERSITY	12		12	P P
202049	ENGINEERING METALLURGY	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	39	38	77	P P
202049	ENGINEERING METALLURGY	SAVITRIBAI PHULE PUNE UNIVERSITY	DR	50	20	SAVITRIBAI PHULE PUNE UNIVERSITY	35		35	P P
202050	APPLIED THERMODYNAMICS	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	33	41	74	P P
202050	APPLIED THERMODYNAMICS	SAVITRIBAI PHULE PUNE UNIVERSITY	TW	25	10	SAVITRIBAI PHULE PUNE UNIVERSITY	22		22	P P
202050	APPLIED THERMODYNAMICS	SAVITRIBAI PHULE PUNE UNIVERSITY	DR	50	20	SAVITRIBAI PHULE PUNE UNIVERSITY	42		42	P P
202051	STRENGTH OF MATERIALS	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	25	16	41	P P
202051	STRENGTH OF MATERIALS	SAVITRIBAI PHULE PUNE UNIVERSITY	DR	50	20	SAVITRIBAI PHULE PUNE UNIVERSITY	32		32	P P
202052	ELECTRONICS & ELECTRICAL ENGG	SAVITRIBAI PHULE PUNE UNIVERSITY	PP	100	40	SAVITRIBAI PHULE PUNE UNIVERSITY	29	40	69	P P
202052	ELECTRONICS & ELECTRICAL ENGG	SAVITRIBAI PHULE PUNE UNIVERSITY	TW	25	10	SAVITRIBAI PHULE PUNE UNIVERSITY	23		23	P P
202053	MACHINE SHOP-I	SAVITRIBAI PHULE PUNE UNIVERSITY	TW	25	10	SAVITRIBAI PHULE PUNE UNIVERSITY	23		23	P P

GRAND TOTAL = 1025/1500 , RESULT: FIRST CLASS WITH DISTINCTION

CONTROLLER OF EXAMINATIONS

MEDIUM OF INSTRUCTION : ENGLISH

STATEMENT NO.: 20868 DATE:

21 JUN 2016



SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND, PUNE 411 007.

STATEMENT OF MARKS FOR T. E. (2012 COURSE) EXAMINATION, APRIL/MAY 2017
BRANCH: 32-T. E. (2012 PAT.) (MECHANICAL)

SEAT NO. T120431041 CENTRE SADE PERM REG. NO.: 71545229M
NAME SWAPNIL ANKUSH SAWALKAR MOTHER : SANGITA
COLLEGE SINHAGAD ACADEMY OF ENGINEERING, KONDHAWA

SUBJECTS MARKS
INT EXT OBT

CODE NAME MIN. 000 028
MAX MIN OUTOF 030 070

SEM. : 1

302041	DES. OF MACH ELE I	PP	100	40	17	49	66	P C
302041	DES. OF MACH ELE I	TW	25	10			22	P C
302042	HEAT TRANSFER	PP	100	40	22	43	65	P C
302042	HEAT TRANSFER	PR	50	20			38	P C
302043	THEORY OF MACH II	PP	100	40	19	43	62	P C
302043	THEORY OF MACH II	OR	50	20			29	P C
302044	METRO & QTY CTRL	PP	100	40	16	51	67	P C
302044	METRO & QTY CTRL	OR	50	20			38	P C
302045	HYDRA & PNEU	PP	100	40	24	38	62	P C
302045	HYDRA & PNEU	TW	25	10			21	P C
302046	SKILL DEVELOPMENT	TW	50	20			40	P C

SEM. : 2

302047	NUME METH & OPTI	PP	100	40	15	47	62	P
302047	NUME METH & OPTI	PR	50	20			37	P
302048	DES OF MACH ELE II	PP	100	40	17	35	52	P
302048	DES OF MACH ELE II	TW	25	10			21	P
302048	DES OF MACH ELE II	OR	50	20			39	P
302049	TURBO MACHINES	PP	100	40	26	58	84	P
302049	TURBO MACHINES	TW	25	10			23	P
302050	MECHATRONICS	PP	100	40	17	60	77	P
302050	MECHATRONICS	TW	25	10			23	P
302051	MANU PROCESS II	PP	100	40	25	45	70	P
302052	MACHINE SHOP II	TW	25	10			23	P
302053	SEMINAR	OR	50	20			36	P

GRAND TOTAL = 1057/1500 , RESULT: FIRST CLASS WITH DISTINCTION

MEDIUM OF INSTRUCTION : ENGLISH

Director,
Board of Examinations & Evaluation

STATEMENT NO.:

24450

DATE :

14 JUL 2017



SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND, PUNE 411 007.

STATEMENT OF MARKS FOR

B. E. (2012 COURSE) EXAMINATION, MAY 2018
BRANCH: 66-B. E. (2012 PAT.) (MECHANICAL)

SEAT NO. B120431049 CENTRE RA. SADE PERM REG. NO.: 71545229M
 NAME SWAPNIL ANKUSH SAWALKAR MOTHER : SANGITA
 COLLEGE SINHAGAD ACADEMY OF ENGINEERING, KONDHAWA

CODE	SUBJECTS	NAME	TYPE	MARKS			INT	EXT	OBT
				MIN.	MAX	MIN OUTOF			
402041	REFRIGERATION & AIR CONDI.	PP	100	40	14	43	57	P	C
402041	REFRIGERATION & AIR CONDI.	TW	25	10	23	23	23	P	C
402041	REFRIGERATION & AIR CONDI.	OR	50	20	44	44	44	P	C
402042	CAD/ CAM AUTOMATION	PP	100	40	23	48	71	P	C
402042	CAD/ CAM AUTOMATION	PR	50	20	39	39	39	P	C
402043	DYNAMICS OF MACHINERY	PP	100	40	17	53	70	P	C
402043	DYNAMICS OF MACHINERY	TW	25	10	22	22	22	P	C
402043	DYNAMICS OF MACHINERY	OR	50	20	35	35	35	P	C
402044A	ENERGY AUDIT MANAGEMENT	PP	100	40	28	66	94	P	C
402045C	OPERATION RESEARCH	PP	100	40	22	56	78	P	C
402046	PROJECT-I	TW	50	20	42	42	42	P	C

SEM. : 1

CODE	SUBJECTS	NAME	TYPE	MARKS			INT	EXT	OBT
				MIN.	MAX	MIN OUTOF			
402041	REFRIGERATION & AIR CONDI.	PP	100	40	14	43	57	P	C
402041	REFRIGERATION & AIR CONDI.	TW	25	10	23	23	23	P	C
402041	REFRIGERATION & AIR CONDI.	OR	50	20	44	44	44	P	C
402042	CAD/ CAM AUTOMATION	PP	100	40	23	48	71	P	C
402042	CAD/ CAM AUTOMATION	PR	50	20	39	39	39	P	C
402043	DYNAMICS OF MACHINERY	PP	100	40	17	53	70	P	C
402043	DYNAMICS OF MACHINERY	TW	25	10	22	22	22	P	C
402043	DYNAMICS OF MACHINERY	OR	50	20	35	35	35	P	C
402044A	ENERGY AUDIT MANAGEMENT	PP	100	40	28	66	94	P	C
402045C	OPERATION RESEARCH	PP	100	40	22	56	78	P	C
402046	PROJECT-I	TW	50	20	42	42	42	P	C

SEM. : 2

CODE	SUBJECTS	NAME	TYPE	MARKS			INT	EXT	OBT
				MIN.	MAX	MIN OUTOF			
402047	POWER PLANT ENGINEERING	PP	100	40	18	57	75	P	C
402047	POWER PLANT ENGINEERING	TW	25	10	23	23	23	P	C
402047	POWER PLANT ENGINEERING	OR	50	20	45	45	45	P	C
402048	MECHANICAL SYSTEM DESIGN	PP	100	40	26	55	81	P	C
402048	MECHANICAL SYSTEM DESIGN	OR	50	20	42	42	42	P	C
402049DB	AUTOMOBILE ENGINEERING	PP	100	40	18	50	68	P	C
402050B	FINITE ELEMENT ANALYSIS	PP	100	40	19	36	55	P	C
402050B	FINITE ELEMENT ANALYSIS	TW	25	10	22	22	22	P	C
402051	PROJECT-II	TW	150	60	141	141	141	P	C
402051	PROJECT-II	OR	50	20	42	42	42	P	C

GRAND TOTAL = 1169/1500 , RESULT: FIRST CLASS WITH DISTINCTION

Director, MEDIUM OF INSTRUCTION : ENGLISH

Board of Examinations & Evaluation STATEMENT NO.: R18070920383 DATE : 04 JUL 2018

क्रम संख्या

S.No. SSCE / 2014/

06846/00018

केन्द्रीय माध्यमिक शिक्षा बोर्ड

CENTRAL BOARD OF SECONDARY EDUCATION

अंक विवरणिका MARKS STATEMENT

सीनियर स्कूल सर्टिफिकेट परीक्षा, 2014

ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION, 2014

नाम Name SWAPNIL ANKUSH SAWALKAR

अनुक्रमांक Roll No. 4672909

माता/पिता/संरक्षक का नाम SANGITA ANKUSH SAWALKAR

Mother's/Father's/Guardian's Name ANKUSH BABU SAWALKAR

विद्यालय School 06846 JAWAHAR NAVODAYA VIDYALAYA PIMPALE PUNE MR

विषय कोड SUB. CODE	विषय SUBJECT	प्राप्तांक MARKS OBTAINED				स्थितीय ग्रेड POSITIONAL GRADE
		लि. TH	प्रै. PR	योग TOTAL	योग शब्दों में TOTAL IN WORDS	
301	ENGLISH CORE	082	XXX	082	EIGHTY TWO	B1
041	MATHEMATICS	090	XXX	090	NINETY	A2
042	PHYSICS	047	030	077	SEVENTY SEVEN	A2
043	CHEMISTRY	062	030	092	NINETY TWO	A2
109	MARATHI	095	XXX	095	NINETY FIVE	A1
500	WORK EXPERIENCE					A1
502	PHY & HEALTH EDUCATION					A2
503	GENERAL STUDIES					A2

संक्षिप्तियों का अर्थ : Abbreviations

AB : विषय में अनुपस्थित Absent in the Subject

परिणाम Result PASS

EX : छूट-प्राप्त Exempted

FP : प्रयोगात्मक में असफल Fail in Practical

FT : लिखित में असफल Fail in Theory

दिल्ली Delhi

दिनांक Dated 26-05-2014



परीक्षा नियंत्रक
Controller of Examinations



Savitribai Phule Pune University

(formerly University of Pune)

We, the Chancellor, the Vice Chancellor and the Members of the Management Council and the Academic Council of the Savitribai Phule Pune University certify that **Swapnil Ankush Sawalkar**, Mother's Name: **Sangita** of **S.T.E.S Sinhagad Academy of Engineering, Pune** having been examined and found duly qualified for the degree of **Bachelor of Engineering (Mechanical)** and placed in the **First Class with Distinction in May 2018**. The said degree has been conferred on him. In testimony whereof is set the seal of the said University.

सावित्रीबाई फुले पुणे विद्यापीठ

(पूर्वीचे पुणे विद्यापीठ)



आम्ही, सावित्रीबाई फुले पुणे विद्यापीठाचे कुलपति, कुलगुरु आणि व्यवस्थापन परिषद व विद्या परिषद सदस्य, प्रमाणित करितो की,

स्वप्निल अंकुश सावळकर, आईचे नाव: संगिता

हे एस. टी ई एसचे सिंहगड अॅकॅडमी ऑफ इंजीनिअरींग पुणे येथून प्राविष्ट्यासह प्रथम श्रेणीत मे २०१८ मध्ये

अभियांत्रिकी स्नातक (यांत्रिक)

पदवी परीक्षा उत्तीर्ण झाल्याबद्दल त्यांना ही पदवी प्रदान करण्यात येत आहे. याची साक्ष म्हणून विद्यापीठाची अधिकृत मुद्रा येथे अंकित करण्यात येत आहे.

Vice Chancellor

11th January 2019

EN18-20542



GATE 2019 Scorecard

Graduate Aptitude Test in Engineering

Name

SWAPNIL ANKUSH SAWALKAR



Candidate's Details

Registration Number

ME19S22086205

Examination Paper

Mechanical Engineering (ME)

(Candidate's Signature)

Marks out of 100*

66.54

Valid from March 17, 2019 to March 16, 2022

Qualifying Marks**

34.1

30.7

22.7

General

OBC (NCL)

SC/ST/PwD

GATE Score

699

All India Rank in this paper

2530

Number of Candidates
Appeared in this paper

167376

* 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: da044d42aa1c4e92e117cec296455ef3



Prof. Niles 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

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

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 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 2019 score formula, M_t is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here μ is the mean and σ 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.



Engg. Works & Cont.

All Types of Precision Press Work & Engineering Works

Ref. No. :

Date :

TO WHOM IT MAY CONCERN

This is to certify that Mr. Swapnil Ankush sawalkar, Mechanical Engineer has completed his internship from **July 5th, 2018 to February 15th, 2019** at Blue Diamond Engg. Works & Cont. He assisted product engineer.

During this period, his performance was excellent and we found him dedicating, hardworking and sincere. He showed deep interest to perform the functions that was allotted to him to enhance his technical skills during the whole internship and put his best efforts to understand them better.

His association with us was very fruitful and we wish him success in future endeavours.

Best regards.

Mr. Sanjay Jagtap
(Works manager)
Blue Diamond Engg. Works & Cont.

