

PC/ID NO 2007PH430271P

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE
PILANI (RAJASTHAN) INDIA
PROVISIONAL CERTIFICATE

This is to certify that

TANMAY GUPTA

has fulfilled the requirements of graduation and has become eligible for the award of the degree

Ph.D.

during FIRST SEMESTER 2019-2020

Thesis Title:

"An Investigation on Influence of Skewness on Structural Response of Concrete Box-Girder Bridges"

PILANI 07-DEC-2019

Dated _____

J. E. Jau
REGISTRAR

**BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI (RAJASTHAN) INDIA
TRANSCRIPT**

ID NO 2007PH430271P

NAME TANMAY GUPTA

Degree(s) Completed:
Ph.D.

CGPA : 8.85

	COURSE NO	COURSE TITLE	UNITS	GRADE	
FIRST SEMESTER 2007-2008	BIO C111	GENERAL BIOLOGY	3	C	
	CHEM C141	CHEMISTRY I	3	B	
	ES C112	THERMODYNAMICS	3	B	
	MATH C191	MATHEMATICS I	3	B	
	PHY C131	PHYSICS I	3	B	
	TA C112	WORKSHOP PRACTICE	4	B	
					CGPA... 7.68
SECOND SEMESTER 2007-2008	AAOC C111	PROB & STAT	3	B	
	CHEM C142	CHEMISTRY II	3	A	
	MATH C192	MATHEMATICS II	3	B	
	PHY C132	PHYSICS II	3	C	
	TA C111	ENGINEERING GRAPHICS	4	B	
	TA C162	COMPUTER PROGRAMMING I	3	C	
					CGPA... 7.68
FIRST SEMESTER 2008-2009	ES C221	MECHANICS OF SOLIDS	3	B	
	ES C241	ELECTRICAL SCIENCES I	3	C	
	HUM C383	SRIMAD BHAGAVAD GITA	3	A	EL
	MATH C241	MATHEMATICS III	3	B	
	TA C211	MEASUREMENT TECHNIQUES I	2	A	
	TA C252	COMPUTER PROGRAMMING II	3	B	
	TA C312	TECHNICAL REPORT WRITING	3	A	
					CGPA... 7.97
SECOND SEMESTER 2008-2009	CE C212	TRANSPORT PHENOMENA I	3	A	
	CE C241	ANALYSIS OF STRUCTURES	3	A	
	ES C242	STRUC & PROP OF MAT	3	B	
	ES C272	ELECTRICAL SCIENCE II	3	B	
	MGTS C211	PRINCIPLES OF MANAGEMENT	3	C	
	PHIL C221	SYMBOLIC LOGIC	3	A	EL
	TA C222	MEASUREMENT TECH II	4	B	
SUMMER TERM 2008-2009	BITS C221	PRACTICE SCHOOL I	5	A	
					CGPA... 8.24
FIRST SEMESTER 2009-2010	AAOC C222	OPTIMISATION	3	B	
	AAOC C341	NUMERICAL ANALYSIS	3	B	
	CE C361	SOIL MECH & FOUND ENGG	4	A	
	CE C371	HYDRAULICS & FLUID MECH	4	A	
	CE C381	DESIGN OF STEEL STRUC	3	A	
	CE C392	GEODESY	4	A	
	EA C422	FIBRE OPTICS & OPTOELECT	3	A	EL
SECOND SEMESTER 2009-2010	AAOC C312	OPERATIONS RESEARCH	3	C	
	AAOC C321	CONTROL SYSTEMS	3	C	
	BITS C335	COMPUTER PROJECTS	3	A	EL
	CE C322	CONSTRUCTION PLAN & TECH	3	A	
	CE C342	WATER & WASTEWATER TREAT	4	B	
	CE C383	DESIGN OF CONCRETE STRUC	4	B	
	CE C391	TRANSPORTATION ENGG	4	B	
					CGPA... 8.42

J. E. Shaw
REGISTRAR

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NAME TANMAY GUPTA

	COURSE NO	COURSE TITLE	UNITS	GRADE
FIRST SEMESTER 2010-2011	AAOC C311	DATA PROCESSING	3	C EL
	BITS C323	STUDY ORIENTED PROJECT	3	A EL
	BITS C342	OBJECT ORIENTED PROG	3	W EL
			CGPA... 8.40	
SECOND SEMESTER 2010-2011	BITS C412	PRACTICE SCHOOL II	20	A
			CGPA... 8.60	
FIRST SEMESTER 2011-2012	CE G551	DYNAMICS OF STRUCTURES	4	A
	CE G552	ADV STR MECH & STABILITY	4	A
	CE G617	ADVANCE STRUC ANALYSIS	4	A-
	CE G619	FINITE ELEMENT ANALYSIS	5	A-
			CGPA... 8.69	
SECOND SEMESTER 2011-2012	BITS G540	RESEARCH PRACTICE	4	A
	CE G614	PRESTRESS CONCRETE STRUC	4	B EL
	CE G615	EARTHQUAKE ENGINEERING	4	A-
	CE G616	BRIDGE ENGINEERING	4	B EL
			CGPA... 8.69	
FIRST SEMESTER 2012-2013	BITS G513	STUDY IN ADVANCED TOPICS	5	A EL
	CE G611	COMP AIDED ANAL & DESIGN	5	A EL
	CE G618	DESIGN OF MULTI-STOR STR	4	A- EL
	CE G632	DES OF FOUN FOR DYN LOAD	4	A- EL
			CGPA... 8.77	
SECOND SEMESTER 2012-2013	BITS G629T	DISSERTATION	16	A
			CGPA... 8.85	
FIRST SEMESTER 2013-2014	BITS C791T	TEACHING PRACTICE I	1	ABOVE AVG
	BITS C797T	PH D SEMINAR	1	GOOD
			CGPA... 8.85	
SECOND SEMESTER 2013-2014	BITS C792T	TEACHING PRACTICE II	1	ABOVE AVG
	BITS C797T	PH D SEMINAR	1	GOOD
			CGPA... 8.85	
FIRST SEMESTER 2014-2015	BITS C797T	PH D SEMINAR	1	GOOD
			CGPA... 8.85	
SECOND SEMESTER 2014-2015	BITS C797T	PH D SEMINAR	1	GOOD
	BITS C799T	PH D THESIS	10	S
			CGPA... 8.85	
FIRST SEMESTER 2015-2016	BITS C797T	PH D SEMINAR	1	GOOD
	BITS C799T	PH D THESIS	10	S
			CGPA... 8.85	
SECOND SEMESTER 2015-2016	BITS C797T	PH D SEMINAR	1	GOOD
	BITS C799T	PH D THESIS	10	S
			CGPA... 8.85	

J. E. Sharma
REGISTRAR

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NAME TANMAY GUPTA

	COURSE NO	COURSE TITLE	UNITS	GRADE
FIRST SEMESTER 2016-2017	BITS BITS	C797T PH D SEMINAR C799T PH D THESIS	1 10	GOOD S
				CGPA... 8.85
SECOND SEMESTER 2016-2017	BITS BITS	C797T PH D SEMINAR C799T PH D THESIS	1 10	GOOD S
				CGPA... 8.85
FIRST SEMESTER 2017-2018	BITS BITS	C797T PH D SEMINAR C799T PH D THESIS	1 10	GOOD S
				CGPA... 8.85
SECOND SEMESTER 2017-2018	BITS BITS	C797T PH D SEMINAR C799T PH D THESIS	1 10	GOOD S
				CGPA... 8.85
FIRST SEMESTER 2018-2019	BITS BITS	C797T PH D SEMINAR C799T PH D THESIS	1 10	GOOD S
				CGPA... 8.85
SECOND SEMESTER 2018-2019	BITS BITS	C797T PH D SEMINAR C799T PH D THESIS	1 10	GOOD S
				CGPA... 8.85
SUMMER TERM 2018-2019	BITS	C799T PH D THESIS	10	ACCEPTABLE
				CGPA... 8.85

SUMMARY

Admitted in: FIRST SEMESTER 2007-2008
 To: B.E. (Hons.) (Civil)
 Transferred in: FIRST SEMESTER 2011-2012
 To: M.E. (Civil with specialisation in Structural Engineering)
 Transferred in: FIRST SEMESTER 2013-2014
 To: Ph.D.
 Last Registered: SUMMER TERM 2018-2019

was awarded intermediate degree(s):
 B.E. (Hons.) (Civil) (with Practice School)
 at the end of: SECOND SEMESTER 2010-2011
 M.E. (Civil with specialisation in Structural Engineering)
 at the end of: SECOND SEMESTER 2012-2013

Units Used in CGPA: 226
 (This includes only courses with letter grades, excluding repetitions)
 CGPA : 8.85

Degree(s) Completed:
 Ph.D.

J. K. Sharma
 REGISTRAR

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TRANSCRIPT

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NAME TANMAY GUPTA

Fulfilled the academic requirements of graduation and became eligible for the award of the degree during FIRST SEMESTER 2019-2020

Note: This programme has been conducted by BITS Pilani at its Pilani Campus, Pilani, India.

Passed Ph.D. Qualifying Examination on : November, 2013
Foreign Language Requirement : Exempted
Teaching Practice I : Fulfilled
Teaching Practice II : Fulfilled
Thesis Submitted in : SUMMER TERM 2018-2019
Ph.D. Viva held on : 13-NOV-2019
Thesis Units Completed : 100

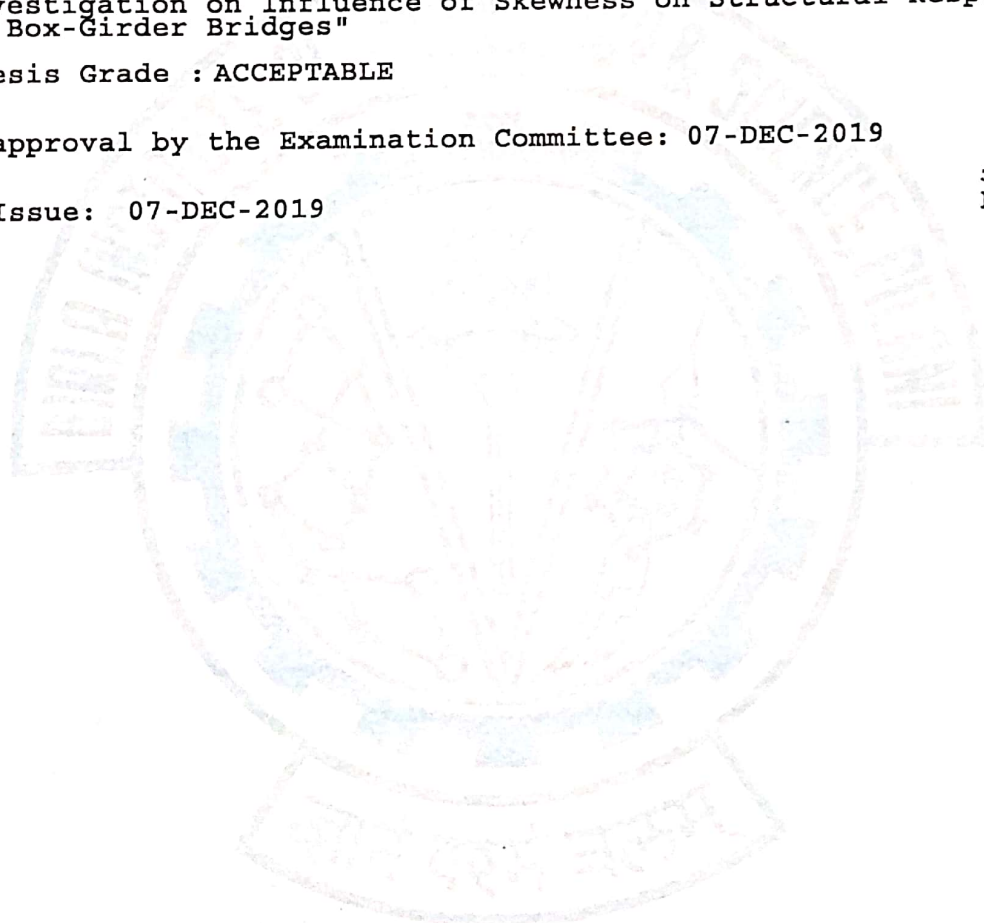
Thesis Title:
"An Investigation on Influence of Skewness on Structural Response of Concrete Box-Girder Bridges"

Final Thesis Grade : ACCEPTABLE

Date of approval by the Examination Committee: 07-DEC-2019

Date of Issue: 07-DEC-2019

J. K. Sharma
REGISTRAR



Birla Institute of Technology and Science Pilani, (Rajasthan) India

1. This transcript contains complete record of academic performance of the student given in a chronological order. For details the Academic Regulations as well as the Bulletin of the institute should be consulted.
2. The medium of instruction is English.
3. The academic year consists of two semesters and a summer term when required. The courses and the grades along with units are shown against each semester/term in which the student registered.

4. **Evaluation:**

- (a) The performance in most courses is spelt out in terms of letter grades A, A-, B, B-, C, C-, D, E. Each letter grade has a qualitative meaning and a grade point value as given below:

Letter Grade *	A	A-	B	B-	C	C-	D	E
Qualitative Meaning	Excellent	Very Good	Good	Above Average	Fair/Average	Below Average	Poor	Exposed
Grade Point	10	9	8	7	6	5	4	2

*Note : Among the letter grades mentioned above, the grades A-, B- and C- were introduced with effect from First Semester 2011-2012.

- (b) In some courses, descriptive non-letter grades (Excellent; Good; Fair; Poor; Acceptable; Unacceptable; Satisfactory(S); Unsatisfactory(U); Above Average; Average; Below Average; Outstanding; Very Good; Continuing) are awarded which carry no grade point.

5. **CGPA:**

The up-to date overall performance is reported by the Cumulative Grade Point Average (CGPA), which is a weighted average calculated as below:

$$CGPA = \frac{(u_1g_1 + u_2g_2 + u_3g_3 + \dots)}{(u_1 + u_2 + u_3 + \dots)}$$

where u_1, u_2, u_3, \dots denote units associated with the courses taken by the student and g_1, g_2, g_3, \dots denote grade points of the letter grades awarded in the respective courses. Whenever a student repeats a course and gets a new letter grade the new grade replaces the earlier grade in the calculation of the CGPA.

6. The other symbols & Reports used in the transcript are:

AU	-	Audit	XR	-	Previous grade 'X' repeated
DP	-	Discontinued from the Programme	RC	-	Registration Cancelled
EL	-	Elective	RRA	-	Required to Register Again
GA	-	Grade Awaited	S	-	Satisfactory
I	-	Incomplete	U	-	Unsatisfactory
NC	-	Not Cleared	W	-	Withdrawn
TGA	-	Thesis Grade Awaited	NA	-	Not Applicable
DEL	-	Discipline Elective	HEL	-	Humanities Elective

7. Optional elective (OE) is not a required component but if it is taken, the letter grade obtained is included in the CGPA. If the student is reported as NC in any one of the courses taken in this category, no further action is necessary.

8. **Flexibilities:**

The system permits many academic and other flexibilities like : (a) Admission with marginal deficiency. (Additional remedial courses are prescribed, and when necessary programme duration is extended); (b) Admission with advanced standing (The courses for which exemption was given are listed in the transcript; such courses are not included in the CGPA. The CGPA and division, if applicable are awarded on the basis of only courses taken in the institute); (c) Transfer from one programme to another, before the completion of the first. (The accumulated units and CGPA in the previous programme are carried over as the input to the new programme); (d) working concurrently for two degrees out to the integrated first degree programmes (dual degree scheme); The requirements for both the degrees in the dual degree scheme are concurrently met. Consequently, the CGPA and the division awarded for the two degrees would be the same (e) Each programme in the first degree level or higher degree level offers a choice between Practice School and Thesis/Dissertation streams.

9. **Academic Counselling :**

- (a) The educational philosophy interlinks and at the same time distinguishes between the performance of a student in a single course and his overall cumulative performance. His progress and performance is monitored at the end of every semester/term by noting whether (i) he has secured more than one E grade in that semester/terms; (ii) he has obtained a CGPA less than 4.50 in case of integrated first degree programme and less than 5.50 in case of higher degree programme upto that semester/term; (iii) he has spent more than 50% extra time than what is prescribed for him up to that semester/terms in his programme.
- (b) Whenever a student's performance comes under the clauses (i), (ii) or (iii) in (a) above, the student comes under the purview of Academic Counselling Board (ACB) which would counsel him, temporarily restrict his options, may require him to transfer to another suitable programme or leave the institute if he is unable to meet the probationary conditions laid down by it.

10. **Eligibility Requirements :**

A student has to obtain a minimum CGPA of 4.50 in case of integrated first degree programmes, a minimum CGPA of 5.50 in case of higher degree programmes and a minimum CGPA of 5.50 wherever applicable, in case of Ph.D. programmes to be eligible for the degree.

11. A long gap between the last semester of registration and the semester in which the student becomes eligible for the degree, may be due to delayed award of a grade because of late submission of some components of evaluation in a course/dissertation/thesis by the student.

12. **Division :** It is a classification based on CGPA as follows :

Distinction	:	CGPA 9.00 or more
I Division	:	CGPA 7.00 or more but less than 9.00
II Division	:	CGPA 4.50 or more but less than 7.00

(No division is awarded for diploma, higher degrees or Ph.D. programmes)

Requisition for issue of Duplicate Transcripts

for **Recent - Graduate** student (86.12)

R

To
The Associate Dean
AUGS Division
BITS, PILANI

FOR OFFICE USE	
Requisition No.	<input style="width: 90%;" type="text"/>
Payment Verified	

Sir,

I am a recent graduate and my original transcript has been issued on 10 DEC 2019. Please issue me duplicate copies of my transcript. This is my first request within the prescribed time. My particulars are:

ID.NO.: _____ NAME: _____
Phone No.: _____ E-mail: _____

	Copies	Charges	Total Charges
<input type="checkbox"/> Duplicate Transcript	<input style="width: 80%;" type="text"/>	100/- per copy	_____
Postal charges (<input type="checkbox"/> Registered Post/ <input type="checkbox"/> Speed Post)			_____
Total amount payable Rs.:			<input style="width: 100%;" type="text"/>

I have paid the above amount

by cash receipt No.: _____ Dated: _____ or
 by Demand Draft (DD) _____
(Give details like DD No./ Issuing Bank /Date/Amount etc.)
 (Please mention your ID.NO. and Name on the back of DD)

I need duplicate transcript(s) in sealed envelope(s) and for this I have enclosed _____
 (number) **university addresses envelopes** (with ID.NO. in top left-hand corner).
 (Note: The university name on the envelope(s) must be written with ink)

<input type="checkbox"/> Please post the document(s) to:	<input style="width: 100%; height: 20px;" type="text"/>
<input type="checkbox"/> I shall collect the document(s) personally	<input style="width: 100%; height: 20px;" type="text"/>

[Please tick appropriate boxes

I am currently working/studying in

_____ (Name and address of organization)

and my address is _____

Date: _____

Signature

Note: No request for sealing etc. will be entertained once the duplicates are issued.

<p><i>For office use (Details of dispatch)</i></p> <p>Dispatched by: <input type="checkbox"/> Speed / <input type="checkbox"/> Registered</p> <p>Dispatched on: _____</p> <p>Dispatch No.: _____</p> <p>Signature of Dispatcher: _____</p>	<p style="text-align: center;"><i>Received</i></p> <p style="text-align: center;">_____ Signature with date</p>
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