

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

ID NO 200037T2123

NAME DOSHI KIRTAN DILIPBHAI
 ADDR TOLANI MARITIME INSTITUTE
 TALEGAON - CHAKAN ROAD
 INDURI, TALEGAON
 PUNE - 410 507

Degree(s) Completed:

B.S. (Marine Engineering)

CGPA : 6.57 Division : SECOND

	COURSE NO	COURSE TITLE	UNITS	GRADE
FIRST SEMESTER				
1998-1999	METI ZC111	ENGLISH LANGUAGE SKILLS	2	A
	METI ZC121	ENGINEERING MATHEMATICS I	3	C
	METI ZC131	APPLIED MECHANICS I	3	D
	METI ZC141	GEOMETRICAL DRAWING	2	C
	METI ZC151	WORKSHOP TECHNOLOGY	4	C
	METI ZC161	APPLIED ELECTRICITY	4	C
	METI ZC171	MARITIME GEOGRAPHY	2	C
	METI ZC181	INTRODUCTION TO COMPUTERS	3	B
			CGPA ...	6.35
SECOND SEMESTER				
1998-1999	METI ZC112	THERMODYNAMICS	3	D
	METI ZC122	ENGINEERING MATHEMATICS II	3	D
	METI ZC132	APPLIED MECHANICS II	3	C
	METI ZC142	ENGINEERING DRAWING	2	C
	METI ZC152	WORKSHOP PRACTICE I	2	C
	METI ZC162	ELECTRICAL MEASUREMENTS	2	B
	METI ZC172	STRENGTH OF MATERIALS	3	D
	METI ZC182	COMPUTER APPLICATIONS	3	D
	METI ZC192	SOCIAL STUDIES	2	A
			CGPA ...	5.91
FIRST SEMESTER				
1999-2000	METI ZC211	PROBABILTY & STATISTICS	3	D
	METI ZC221	BASIC SHIP STRUCTURE	2	B
	METI ZC241	MATERIAL SCIENCE	3	C
	METI ZC251	MACHINE DRAWING	2	D
	METI ZC271	APPLIED THERMODYNAMICS	3	C
	METI ZC281	WORKSHOP PRACTICE II	2	B
	METI ZC311	MARINE AUXILIARY MACHINES I	2	C
			CGPA ...	5.91
SECOND SEMESTER				
1999-2000	METI ZC212	SHIP CONSTRUCTION	2	B
	METI ZC232	CORROSION & CONTROL	2	B
	METI ZC242	SEAMANSHIP & SURVIVAL AT SEA	2	B
	METI ZC252	MARINE ENGINEERING DRAWING	2	C
	METI ZC262	ELECTRONICS	3	C
	METI ZC272	MECHANICS OF MATERIALS	3	C
	METI ZC282	ELECTRICAL MACHINES	3	B
			CGPA ...	6.15

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Janao
 REGISTRAR
Asst.

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI (RAJASTHAN) INDIA
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	COURSE NO	COURSE TITLE	UNITS	GRADE	
FIRST SEMESTER 2000-2001	METI ZC222	MARINE BOILERS & STEAM ENGG	3	B	
	METI ZC231	FUELS & LUBRICANTS	2	A	
	METI ZC321	MARINE IC ENGINEERING I	3	C	
	METI ZC331	NAVAL ARCHITECTURE I	3	C	
	METI ZC341	MARINE ELECTRICAL TECHNOLOGY	3	C	
	METI ZC351	PRINCIPLES OF MANAGEMENT	3	C	
	METI ZC361	ALTERNATORS & MOTORS	2	C	
	METI ZC371	MECHANICS OF MACHINES	3	C	
	METI ZC381	PUMPS AND PUMPING SYSTEMS	2	C	
SECOND SEMESTER 2000-2001	METI ZC261	HYDRAULICS	3	C	
	METI ZC312	MARINE AUXILIARY MACHINES II	2	B	
	METI ZC322	MARINE IC ENGINEERING II	3	C	
	METI ZC332	NAVAL ARCHITECTURE II	3	B	
	METI ZC342	MARINE ENVIRONMENT PROTECTION	2	B	
	METI ZC352	TECHNICAL REPORT WRITING	3	B	
	METI ZC362	DYNAMICS OF VIBRATIONS	2	D	
	METI ZC372	SHIP FIRE PREVENTION & CONTROL	3	C	
	METI ZC382	REFRIGERATION & AIR COND.	3	C	
FIRST SEMESTER 2001-2002	METI ZC412	INTERNSHIP	20	B	
					CGPA ... 6.55
SECOND SEMESTER 2001-2002	METI ZC411	MARINE MACHINERY SYSTEM DESIGN	4	D	
	METI ZC421	SHIP OPERATION & MANAGEMENT	3	A	
	METI ZC431	MARINE CONTROL ENGINEERING	4	C	
	METI ZC441	INTERNATIONAL CONVENTIONS & IMO	3	C	
	METI ZC451	WATCH KEEPING & CLASS IV PREP	3	B	
	METI ZC461	POWER PLANT OPERATION	2	C	
	METI ZC471	OPERATIONS RESEARCH	3	B	
	METI ZC481	MARINE COST ENGINEERING	2	C	
					CGPA ... 6.57

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J. Goswami
REGISTRAR
DRS

गान्धेय परम बलम

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SUMMARY

Admitted in: FIRST SEMESTER 2000-2001 with advanced standing.
To: B.S. (Marine Engineering)

Last Registered: SECOND SEMESTER 2001-2002

Units Used in CGPA: 172
(This includes only courses with letter grades, excluding repetitions)
CGPA : 6.57

Degree(s) Completed:
B.S. (Marine Engineering)

Pedagogy:

This is an off-campus collaborative programme conducted in collaboration with Tolani Maritime Institute(TMI), Induri. The interactive sessions/contact classes/lectures/internship programme were held at TMI, Induri.

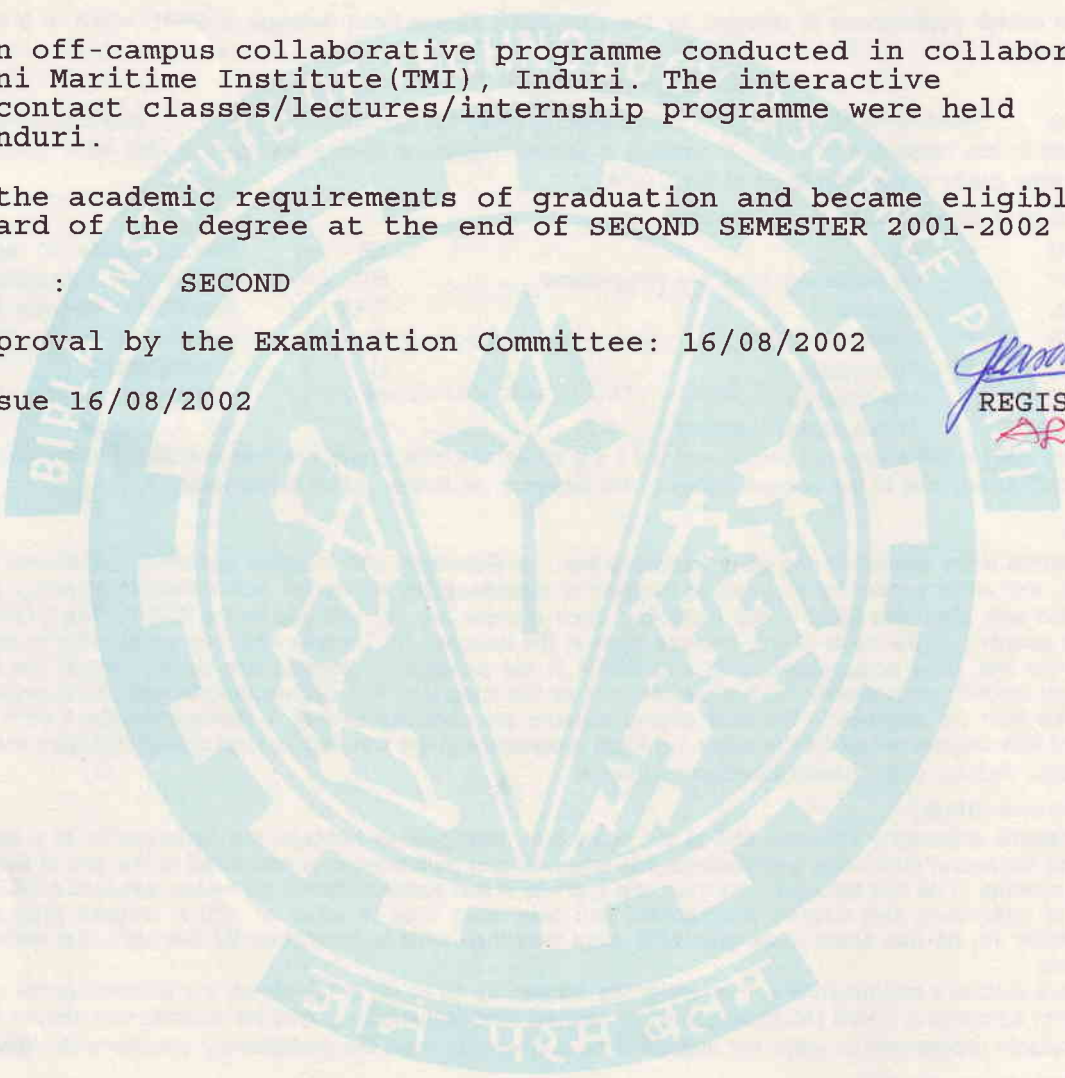
Fulfilled the academic requirements of graduation and became eligible for the award of the degree at the end of SECOND SEMESTER 2001-2002

Division : SECOND

Date of approval by the Examination Committee: 16/08/2002

Date of Issue 16/08/2002


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 Regulation 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,B,C,D,E. Each letter grade has a qualitative meaning and a grade point value as given below:

Letter Grade	A	B	C	D	E
Qualitative Meaning	Excellent	Good	Fair	Poor	Exposed
Grade Point	10	8	6	4	2

- (b) In some courses, descriptive non-letter grades (Excellent; Good; Poor; 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	N.A.	- Not Applicable

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 upto 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 higher degree or Ph.D. programmes)