PC/ID NO

2008A7PS556U

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE
PILANI (RAJASTHAN) INDIA

PROVISIONAL CERTIFICATE

This is to certify that

THOMAS BINU

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

B.E.(Hons.)(Computer Science)(with Practice School)

at the end of SECOND SEMESTER 2011-2012

and has been placed in   FIRST   Division.

PILANI   2 3 AUG 2012

Dated _____

REGISTRAR

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

ID NO   2008A7PS556U

NAME   THOMAS BINU

Degree(s) Completed:
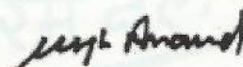 B.E.(Hons.)(Computer Science)(with Practice School)
CGPA   :   7.81   Division   :   FIRST

	COURSE NO		COURSE TITLE	UNITS	GRADE	
FIRST SEMESTER	ENGL	C123	ENGLISH LANGUAGE SKILLS	3	C	
2008-2009	CHEM	C141	CHEMISTRY I	3	C	
	ES	C112	THERMODYNAMICS	3	C	
	TA	C111	ENGINEERING GRAPHICS	4	A	
	AAOC	C111	PROB & STAT	3	C	
	MATH	C191	MATHEMATICS I	3	C	
	PHY	C131	PHYSICS I	3	C	
					CGPA...	6.73
SECOND SEMESTER	PHY	C132	PHYSICS II	3	C	
2008-2009	HIST	C213	GULF HISTORY AND CULTURE	3	B	EL
	CHEM	C142	CHEMISTRY II	3	C	
	BIO	C111	GENERAL BIOLOGY	3	B	
	TA	C112	WORKSHOP PRACTICE	4	A	
	MATH	C192	MATHEMATICS II	3	C	
	TA	C162	COMPUTER PROGRAMMING I	3	A	
					CGPA...	7.27
FIRST SEMESTER	MGTS	C211	PRINCIPLES OF MANAGEMENT	3	B	
2009-2010	ES	C221	MECHANICS OF SOLIDS	3	C	
	TA	C211	MEASUREMENT TECHNIQUES I	2	B	
	TA	C252	COMPUTER PROGRAMMING II	3	A	
	MATH	C241	MATHEMATICS III	3	C	
	ES	C241	ELECTRICAL SCIENCES I	3	C	
					CGPA...	7.28
SECOND SEMESTER	ES	C272	ELECTRICAL SCIENCE II	3	C	
2009-2010	ES	C263	MICROPROCES PROG & INTER	4	C	
	TA	C312	TECHNICAL REPORT WRITING	3	B	
	MATH	C222	DISCR STRUC FOR COMP SCI	3	C	
	ES	C242	STRUC & PROP OF MAT	3	B	
	TA	C222	MEASUREMENT TECH II	4	C	
					CGPA...	7.11
SUMMER TERM	BITS	C221	PRACTICE SCHOOL I	5	A	
2009-2010						
					CGPA...	7.28

ID NO 2008A7PS556U
NAME   THOMAS BINU

	COURSE NO		COURSE TITLE	UNITS	GRADE	
FIRST SEMESTER	CS	C372	OPERATING SYSTEMS	3	A	
2010-2011	CS	C351	THEORY OF COMPUTATION	3	B	
	AAOC	C222	OPTIMISATION	3	C	
	AAOC	C321	CONTROL SYSTEMS	3	C	
	CS	C363	DATA STRUCTURES & ALGO	4	B	
	CS	C391	DIGITAL ELECTRO COMP ORG	4	B	
					CGPA...	7.36
SECOND SEMESTER	CS	C342	ADV COMP ORGANIZATION	3	A	
2010-2011	CS	C461	COMPUTER NETWORKS	3	B	
	CS	C362	PROGRAM LANG & COMP CONS	3	B	
	AAOC	C341	NUMERICAL ANALYSIS	3	C	
	AAOC	C312	OPERATIONS RESEARCH	3	C	
	CS	C352	DATA BASE SYSTEMS	3	B	
					CGPA...	7.40
FIRST SEMESTER	BITS	C412	PRACTICE SCHOOL II	20	A	
2011-2012						
					CGPA...	7.76
SECOND SEMESTER	EA	C473	MULTIMEDIA COMPUTING	3	A-	EL
2011-2012	EA	C443	IMAGE PROCESSING	3	B-	EL
	BITS	C331	COMPUTER PROJECTS	3	A	EL
	CS	C446	DATA STORAGE TECH & NETW	3	B	EL
	CS	C415	DATA MINING	3	B-	EL
					CGPA...	7.81

SUMMARY

Admitted in: FIRST SEMESTER 2008-2009
Last Registered:SECOND SEMESTER 2011-2012

(Continued)

REGISTRAR

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI (RAJASTHAN) INDIA
T R A N S C R I P T

ID NO   2008A7PS556U
NAME   THOMAS BINU

Units Used in CGPA: 159
(This includes only courses with letter grades, excluding repetitions)
CGPA   :   7.81

Degree(s) Completed:
 B.E.(Hons.)(Computer Science)(with Practice School)
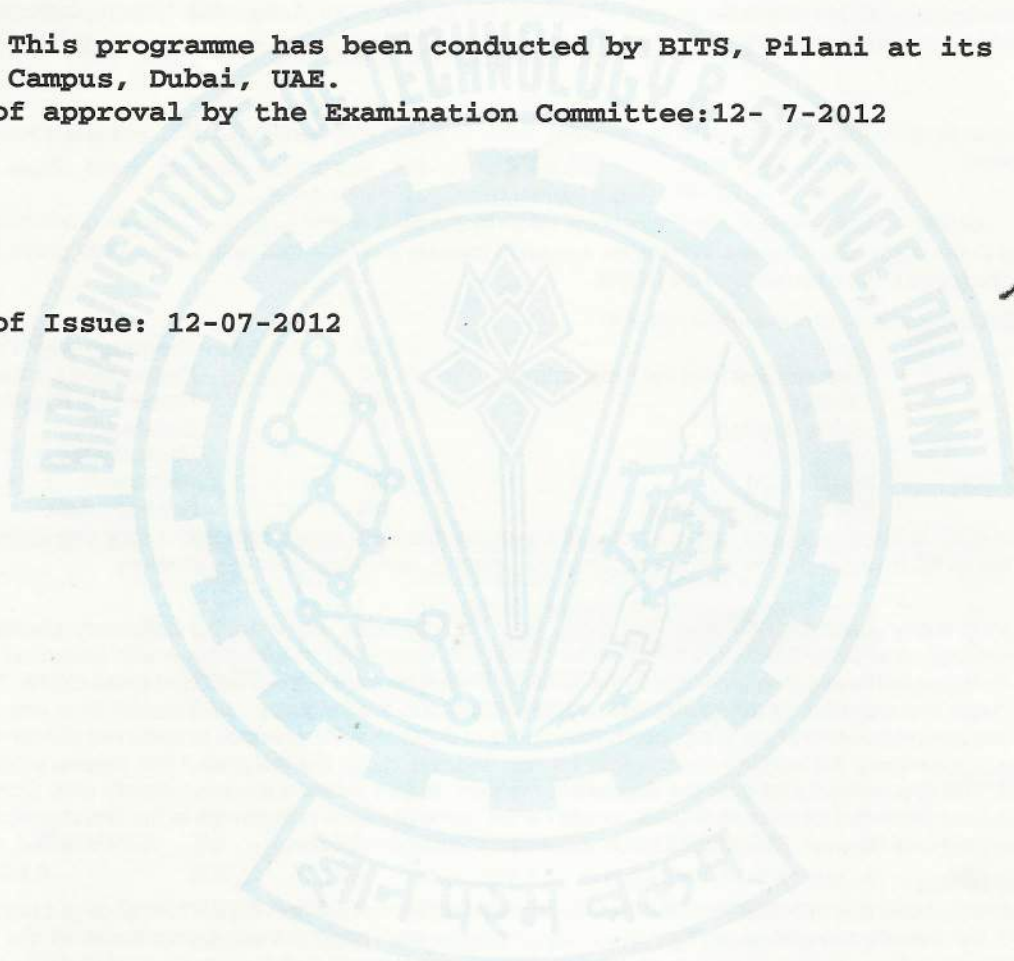 Division   :   FIRST

Fulfilled the academic requirements of graduation and became eligible
for the award of the degree at the end of   SECOND SEMESTER 2011-2012

Note: This programme has been conducted by BITS, Pilani at its
DUBAI Campus, Dubai, UAE.
Date of approval by the Examination Committee:12- 7-2012

Date of Issue: 12-07-2012

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:

   $$CGPA = (u_1g_1 + u_2g_2 + u_3g_3 + \ldots) / (u_1 + u_2 + u_3 + \ldots)$$

   where u_1, u_2, u_3,… denote units associated with the courses taken by the student and g_1, g_2, g_3,…. 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

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