



NATIONAL UNIVERSITY
of SINGAPORE

OFFICIAL TRANSCRIPT

NAME: ARAVIND CHANDRAN STUDENT NO.: A0105236R DATE OF BIRTH: 22/12/1990 DATE ISSUED: 30/06/2013

PROGRAMME: MASTER OF SCIENCE (ELECTRICAL ENGINEERING)
PROGRAMME STATUS: COMPLETED PROGRAMME

MODULE GRADE CREDITS

ACADEMIC YEAR 2012/2013 SEMESTER 1

EE5003	ELECTRICAL ENGINEERING PROJECT	IP	8.00
EE5101R	LINEAR SYSTEMS	C+	4.00
EE5103R	COMPUTER CONTROL SYSTEMS	A-	4.00
EE5703R	MODELLING AND CONTROL OF ELECTRICAL ACTUATORS	B-	4.00
MCH5206	INSTRUMENTATION AND SENSORS	B-	4.00

MASTER OF SCIENCE (ELECTRICAL ENGINEERING)
CUMULATIVE AVERAGE POINT: 3.25

ACADEMIC YEAR 2012/2013 SEMESTER 2

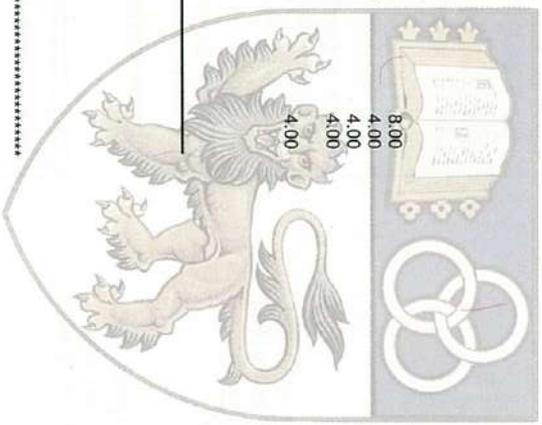
EE5003	ELECTRICAL ENGINEERING PROJECT	B	8.00
EE5102	MULTIVARIABLE CONTROL SYSTEMS	B+	4.00
EE5508	SEMICONDUCTOR FUNDAMENTALS	B-	4.00
EE5711R	MODELLING AND CONTROL OF POWER ELECTRONIC CONVERTERS	B-	4.00
MCH5002	APPLICATIONS OF MECHATRONICS	A-	4.00

MASTER OF SCIENCE (ELECTRICAL ENGINEERING)
CUMULATIVE AVERAGE POINT: 3.45

CONFERRED/AWARDED THE DEGREE(S)/DIPLOMA(S) OF:
MASTER OF SCIENCE (ELECTRICAL ENGINEERING)

SPECIALISATION: AUTOMATION AND CONTROL ENGINEERING

CONFIRMATION DATE: 30/06/2013 END OF TRANSCRIPT



National University of Singapore (NUS)
 Registrar's Office, University Hall (Lee Kong Chian Wing), #UHL-04-01,
 21 Lower Kent Ridge Road, Singapore 119077
 Telephone: (65) 6516 2301 / 2304, Facsimile: (65) 6778 6371 / (65) 6776 3980
 Website: <http://www.nus.edu.sg/registrat/>

TRANSCRIPT INFORMATION

Applicable to Undergraduate and Graduate programmes (unless specified otherwise).

MEDIUM OF INSTRUCTION

The medium of instruction used in the University is English, unless specified otherwise.

GRADE LEGEND

Grade	Grade Point	Additional Grading Options
A+, A	5.00	S Satisfactory
A-	4.50	U Unsatisfactory
B+	4.00	CS Completed (Satisfactory)
B	3.50	CU Completed (Unsatisfactory)
B-	3.00	IC Incomplete
C+	2.50	IP In Progress
C	2.00	AUD Audit
D+	1.50	EXE Exempted
D	1.00	W Withdrawn
F	0.00	WU Withdrawn from University

CUMULATIVE AVERAGE POINT (CAP)

The Cumulative Average Point (CAP) was introduced for students admitted from the academic year 1998-1999 onwards to track the progress of students under the Modular System. It is the weighted average grade point of all modules taken by the student. Modules with no assigned modular credit or grade point are excluded from the calculation of CAP.

CREDITS

A modular credit (MC) is a unit of the effort, stated in terms of time, expected of a typical student in managing his/her workload. One MC is equivalent to 2.5 hours of study and preparation per week. Thus, a 4-MC module would require 10 hours of work a week, including lectures, tutorials, laboratory sessions, assignments, and independent or group study.

LEAVE OF ABSENCE

Only leave of absence of one semester or longer is recorded in the transcript.

More information on the University's programmes is available in the NUS Bulletin at <http://www.nus.edu.sg/nusbuletin>.

The following information is specific to the respective Faculties/Schools:

FACULTY OF LAW (LLB)

SUPPLEMENTARY EXAMINATION

Unless otherwise indicated, a student who passes a subject by supplementary examination is awarded only a 'D' grade irrespective of his/her performance.

FACULTY OF DENTISTRY AND YONG LOO LIN SCHOOL OF MEDICINE (BDS/MBBS)

GRADE LEGEND

A+	Distinction	DIST	Distinction
A	Excellent	M	Merit
B	Very Good	P	Pass
C	Good	IC	Incomplete
D	Pass	IP	In Progress
F	Fail	W	Withdrawn
		WU	Withdrawn from University

SUPPLEMENTARY EXAMINATION AND RE-EXAMINATION

Students who sit for Supplementary Examination or Re-examination are awarded the grade appropriate to the marks they obtain.

HUMAN RESOURCE MANAGEMENT

A course read by all students in the Faculty of Dentistry and Yong Loo Lin School of Medicine.

Yong Loo Lin School of Medicine: The marks for this course are incorporated into the grades of the Final Year Examination subjects.

Faculty of Dentistry: The marks for this course are incorporated into the Clinical Dentistry paper in the Final Professional B.D.S. Examination.

This transcript shows the latest information. For information on earlier grade legends, please visit <http://www.nus.edu.sg/registrat/adminpolicy/transcripts.html>.

For degree verification, please visit <http://www.nus.edu.sg/registrat/adminpolicy/degverify.html>.

CHECK FOR AUTHENTICITY:

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ANNA UNIVERSITY, CHENNAI - 600 025

B.E. DEGREE EXAMINATIONS CONSOLIDATED STATEMENT OF GRADES

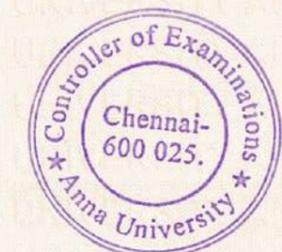
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NAME OF THE CANDIDATE		ARAVIND C					REGISTER NO.		080108112004			REGULATIONS		2008	
COLLEGE OF STUDY		MAHARAJA ENGINEERING COLLEGE					GENDER		MALE			DATE OF BIRTH		22-DEC-90	
PROGRAMME & BRANCH		B.E. ELECTRONICS AND INSTRUMENTATION ENGINEERING					MONTH & YEAR OF LAST APPEARANCE		April 2012			MEDIUM OF INSTRUCTION		English	
SEM	COURSE CODE	COURSE TITLE	C	LG	GP	MONTH & YEAR OF PASSING	SEM	COURSE CODE	COURSE TITLE	C	LG	GP	MONTH & YEAR OF PASSING		
01	080010001	ENGINEERING CHEMISTRY - I	3	E	9.5	JAN 2009	05	080300022	OBJECT ORIENTED PROGRAMMING LABORATORY	2	O	10	NOV 2010		
01	080020001	TECHNICAL ENGLISH - I	4	A	9	JAN 2009	05	080300023	SIMULATION AND CONTROL LABORATORY	2	O	10	NOV 2010		
01	080030001	MATHEMATICS - I	4	A	9	JAN 2009	06	080300024	DIGITAL SIGNAL PROCESSING	4	A	9	APR 2011		
01	080040001	ENGINEERING PHYSICS - I	3	A	9	JAN 2009	06	080300025	FUZZY LOGIC AND NEURAL NETWORKS	3	A	9	APR 2011		
01	080230001	FUNDAMENTALS OF COMPUTING AND COMPUTER PROGRAMMING	3	E	9.5	JAN 2009	06	080300026	EMBEDDED SYSTEMS	3	A	9	APR 2011		
01	080120001	ENGINEERING GRAPHICS	5	A	9	JAN 2009	06	080300027	PROCESS DYNAMICS AND CONTROL	3	E	9.5	APR 2011		
01	080230002	COMPUTER PRACTICE LABORATORY - I	2	O	10	JAN 2009	06	080300028	INDUSTRIAL INSTRUMENTATION - II	3	E	9.5	APR 2011		
01	080510001	ENGINEERING PRACTICES LABORATORY	2	O	10	JAN 2009	06	080300029	VIRTUAL INSTRUMENTATION	3	A	9	APR 2011		
02	080010002	ENGINEERING CHEMISTRY - II	3	O	10	JUN 2009	06	080300030	PROCESS CONTROL LABORATORY	2	O	10	APR 2011		
02	080020003	TECHNICAL ENGLISH - II	4	E	9.5	JUN 2009	06	080300031	INDUSTRIAL INSTRUMENTATION LABORATORY	2	O	10	APR 2011		
02	080030004	MATHEMATICS - II	4	B	8	JUN 2009	06	080300032	VIRTUAL INSTRUMENTATION LABORATORY	2	O	10	APR 2011		
02	080040002	ENGINEERING PHYSICS - II	3	A	9	JUN 2009	07	080260007	INSTRUMENTATION SYSTEMS FOR DISASTER MANAGEMENT	3	A	9	NOV 2011		
02	080280005	CIRCUIT THEORY	4	E	9.5	JUN 2009	07	080300035	MANAGEMENT SCIENCES	3	A	9	NOV 2011		
02	080510002	BASIC CIVIL AND MECHANICAL ENGINEERING	4	A	9	JUN 2009	07	080300037	COMPUTER CONTROL OF PROCESSES	3	A	9	NOV 2011		
02	080230006	COMPUTER PRACTICE LABORATORY - II	2	O	10	JUN 2009	07	080300038	COMPUTER NETWORKS AND DISTRIBUTED CONTROL SYSTEMS	4	A	9	NOV 2011		
02	080280008	ELECTRICAL CIRCUITS LABORATORY	2	O	10	JUN 2009	07	080300040	ROBOTICS AND AUTOMATION	3	B	8	NOV 2011		
02	080640001	PHYSICS AND CHEMISTRY LABORATORY	2	O	10	JUN 2009	07	080300044	VLSI DESIGN	3	C	7	NOV 2011		
03	080100008	TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS	4	A	9	DEC 2009	07	080300039	COMPUTER CONTROL OF PROCESS LABORATORY	2	O	10	NOV 2011		
03	080300001	ELECTRICAL MACHINES	3	A	9	DEC 2009	07	080300059	MINI PROJECT	2	O	10	NOV 2011		
03	080300002	ELECTRONIC DEVICES AND CIRCUITS	3	E	9.5	DEC 2009	07	080300049	BIO-MEDICAL INSTRUMENTATION	3	C	7	APR 2012		
03	080300003	DATA STRUCTURES AND ALGORITHMS	3	A	9	DEC 2009	08	080300050	POWER PLANT INSTRUMENTATION	3	A	9	APR 2012		
03	080300004	ELECTRICAL MEASUREMENTS	4	A	9	DEC 2009	08	080300054	FIBER OPTICS AND LASER INSTRUMENTATION	3	E	9.5	APR 2012		
03	080300008	ENVIRONMENTAL SCIENCE AND ENGINEERING	3	E	9.5	DEC 2009	08	080300055	INSTRUMENTATION AND CONTROL IN PETROCHEMICAL INDUSTRIES	3	A	9	APR 2012		
03	080280022	DATA STRUCTURES AND ALGORITHMS LABORATORY	2	O	10	DEC 2009	08	080300060	PROJECT WORK AND VIVA-VOCE	6	O	10	APR 2012		
03	080300005	ELECTRON DEVICES AND CIRCUITS LABORATORY	2	O	10	DEC 2009									
03	080300007	ELECTRICAL MACHINES LABORATORY	2	O	10	DEC 2009									
04	080280028	LINEAR INTEGRATED CIRCUITS AND APPLICATIONS	3	E	9.5	MAY 2010									
04	080280033	CONTROL SYSTEMS	4	O	10	MAY 2010									
04	080300009	INDUSTRIAL INSTRUMENTATION - I	3	E	9.5	MAY 2010									
04	080300010	TRANSDUCER ENGINEERING	3	E	9.5	MAY 2010									
04	080300011	APPLIED THERMODYNAMICS	4	A	9	NOV 2010									
04	080300014	DIGITAL LOGIC CIRCUITS	4	E	9.5	MAY 2010									
04	080280031	LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	2	O	10	MAY 2010									
04	080300012	TRANSDUCERS AND MEASUREMENTS LABORATORY	2	O	10	MAY 2010									
04	080300013	THERMODYNAMICS LABORATORY	2	O	10	MAY 2010									
05	080300015	ANALOG AND DIGITAL COMMUNICATION	3	E	9.5	NOV 2010									
05	080300016	OBJECT ORIENTED PROGRAMMING	4	E	9.5	NOV 2010									
05	080300017	POWER ELECTRONICS	4	E	9.5	NOV 2010									
05	080300018	ANALYTICAL INSTRUMENTATION	3	O	10	NOV 2010									
05	080300019	MICROPROCESSORS AND MICROCONTROLLERS	4	E	9.5	NOV 2010									
05	080300020	ELECTRONIC INSTRUMENTATION	3	E	9.5	NOV 2010									
05	080300021	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	2	O	10	NOV 2010									

*** End of Statement ***
Cumulative Grade Point Average : 9.33
Classification : FIRST CLASS



SEM - Semester, C- Credits, LG - Letter Grade, GP - Grade Point

Range of Mark	94 - 100	87 - 93	80 - 86	73 - 79	66 - 72	58 - 65	50 - 57	< 50
Letter Grade	O	E	A	B	C	D	S	U
Grade Point	10	9.5	9	8	7	6	5	0

$$CGPA = \frac{\sum_{i=1}^n C_i GP_i}{\sum_{i=1}^n C_i}$$

where C_i - is the credits assigned to the course
 GP_i - is the point corresponding to the grade obtained for each course
 n - is number of all courses successfully cleared during all the semesters

Chennai - 600 025
Date: _____

SIGNATURE OF THE STUDENT



(Signature)
CONTROLLER OF EXAMINATIONS

Read by	<i>S. udharniys</i>
Verified by	<i>M. M. reali</i>