

長庚大學  
CHANG GUNG UNIVERSITY  
259, WEN-HWA 1st ROAD KWEI-SHAN TAO-YUAN TAIWAN, R.O.C.  
TRANSCRIPT OF ACADEMIC RECORD

Name : SUBHRANU SAMANTA      Sex : Male      Student Identification No : D0127307  
Date Enrolled : February ,2013      College of Engineering  
Date Conferred : February ,2018      Graduate Institute of Electronic Engineering  
Degree Conferred: Doctor of Philosophy

The following transcript is hereby certified as correct according to the record of the university.

SUBJECT	1 Semester		2 Semester		SUBJECT	1 Semester		2 Semester	
	Crt.	Grade	Crt.	Grade		Crt.	Grade	Crt.	Grade
1ST YEAR ( 2012-2013 )									
English Technical Writing (II)			1	84					
Advanced Integrated Circuit Technology			3	88					
Seminar			1	85					
Basic Chinese (I)			0	75					
TOTAL CREDITS AND AVERAGE GRADE			5	86.6					
2ND YEAR ( 2013-2014 )									
English Technical Writing (I)	1	86							
Compound Semiconductor	3	78							
Optoelectronics	3	92							
Solid State Physics	3	77							
Seminar	1	87	1	90					
Semiconductor Experiments			1	90					
TOTAL CREDITS AND AVERAGE GRADE	11	83.09	2	90					
3RD YEAR ( 2014-2015 )									
Advanced Electronic Materials			3	98					
Methods for Material Research	3	95							
Seminar	1	85	1	85					
TOTAL CREDITS AND AVERAGE GRADE	4	92.5	4	94.75					
4TH YEAR ( 2015-2016 )									
Seminar	1	95	1	85					
TOTAL CREDITS AND AVERAGE GRADE	1	95	1	85					
5TH YEAR ( 2016-2017 )									
Scientific Writing									
Seminar	1	85							
TOTAL CREDITS AND AVERAGE GRADE	1	85							
6TH YEAR ( 2017-2018 )									
Scientific Writing									
TOTAL CREDITS AND AVERAGE GRADE									
***** TOTAL CREDITS EARNED 29 AVERAGE 87.62 G.P.A = 3.79									
THESIS GRADE: 90 Effects of Top Electrode and Interface Engineering on TaOx-Based Resistive Switching Memory for Bio-Sensor Applications									

Remark : 100 is the full mark

80 or more = A = 4.0    50 to 59 = D = 1.0  
70 to 79 = B = 3.0    Less than 50 = F = 0  
60 to 69 = C = 2.0    70 is the passing grade

2018/03/12  
Date Issued

Chih-Jen Chen  
Registrar  
Chih-Jen Chen

Pin Ouyang  
Dean of Academic Affairs  
Pin Ouyang