

WEST BENGAL BOARD OF SECONDARY EDUCATION

MARK SHEET OF MADHYAMIK PARIKSHA (SECONDARY EXAMINATION) 2003

ROLL

E0081

NO.

S /XXXXXX OF

0088

SUBHAS CH.

NAME

SUBHRENDU CHATTOPADHYAY

APPEARING FROM

SARGACHI RAMAKRISHNA MISSION HIGH SCHOOL

HIS/HER COMBINATION OF SUBJECTS (IN SYMBOLS) BFL ESL LG

PASS MARKS IN EACH GROUP - 34% QUALIFYING MARKS (INCLUDING ORAL) IN EACH SUBJECT -20%.

16/1/8		LANGUA	GE GROUP	P	100	77.50		CETT	SCIENC	CE GROUP	1,29	SIL	15100	1200	1101	INDIA	HER PEOP	LE GROUP	3 320	2 To July	ADDL
FL-WRITTEN) FIRST PAPER (FULL MARKS - 90)	FL-(WRITTEN) SECOND PAPER (FULL MARKS - 90)	FL-(ORAL) (FULL MARKS - 20)	FIRST LANGUAGE (FULL MARKS - 200)	SECOND LANGUAGE (FULL MAPIKS - 100)	GROUP TOTAL (FULL MARKS - 300)	MATHEMATICS (FULL MARKS - 100)	PSC.(WRITTEN) (FULL MARKS - 90)	PSC (ORAL) (FULL MARKS - 10)	PHYSICAL SCIENCE (FULL MARKS - 100)	LSC (WRITTEN) FULL MARKS - 90)	LSC (OHAL) (FULL MARKS - 10)	UPE SCIENCE (FULL MARKS - 100)	GROUP TOTAL (FULL MARKS : 300)	HISTORY (WRITTEN) (FULL MARKS - 90)	HISTORY IORALI FULL MARKS - 10)	HISTORY (PULL MARKS - 100)	GEO (WRITTEN) (FULL MARKS - 90)	GEO: (ORAL) (FULL MARKS - 10)	GEOGRAPHY (FULL MARKS - 100)	GROUP TOTAL (FULL MARKS - 200)	ADDITIONAL * (FULL MARKS - 100)
55	72	20	147	75	222	93	74	10	84	70	10	80	257	50	10	60	67	10	77	137	70
** GR	AND TOTA	u_ →	652	(51	x Hun	dred	Fift	y Two)	TATE	*** DI	VISION -	Eagl	I #	DIE.	F	IRST	3.10			694

[★] MARKS IN EXCESS OF THE PASS MARKS ARE ADDED TO THE TOTAL OF A SUCCESSFUL CANDIDATE FOR DETERMINING DIVISION.

** FULL MARKS - 800 PASS MARKS - 272 *** 1st DIV. - 480, 2nd DIV. - 360, 3rd DIV. - 272 A. C. POLYA.

CORRECTED

acila 20/6/0

Dy. Sectoury (K)

West Bengul Board of Secondary Education

Mest Rengal Board Of Secondary Education

CORRECTED Quant 23/6/03 Dy an Blatt (K) Wom Mart. No

MADHYAMIK PARIKSHA (SECONDARY EXAMINATION), 2003

Son / XXXXXX / XXXX of WHARM C		
appearing from / XX SARGACHI RAI	MAKRISHNA MISSION HIGH	SCHOOL
Whose date of birth isNINETEENTI	H day of AUGUST	One Thousand Nine Hundred
and EIGHTY SEVEN	duly passed the Madhyamii	k Pariksha (Secondary Examination)
held in the month of March, 2003 and	was placed in the FIRS	T division



Rolkata-700 016,

Amanchandra Paka. Dated the 13th June, 2003 Secretary

Dibyentu leikas Hola

WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION

MARK-SHEET

INSTITUTION NO. CODELINGLOFIC

16019 OF B153978



GENERAL STREAM COURSES

EDUCATIONWEST BE 2006

THE FOLLOWING IS THE STATEMENT OF MARKS OBTAINED BY

SUBHRENDU CHATTOPADHYAY

ROLL 521111 NO. 0030 AT THE HIGHER SECONDARY EXAMINATION 2006.

ESTBEAGALCOUNGLOFFIGHEFSUBJECTS ON WESTBEINGALCOUNDLOFF	ie Williams	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAMED IN	NAME AND ADDRESS OF THE OWNER, WHEN PERSON	BTAINED	EMICHEDOE/
CONTROL CONTROL OF THE PROPERTY OF THE PROPERT	GHERSFOON	THEORY		PRACTICAL/	SUBJEC
LANGUAGE	PAPER I	PAPERII	TOTAL	ORAL	TOTAL
ESTBENGALOGIFICE FRIGHERSECONDARYEDUCATION WESTBENGALOGICUM ESTBENG BNGA RLOFRIGHERSECONDARYEDUCATION WESTBENGALCOUNCILOF ESTBENGALOGUNCILOFRIGHERSECONDARYEDUCATION WESTBENGALCOUNCILOFR	59	57	116	ENGAL COUNCILD ENGAL COUNCILD ENGAL COUNCILD	116
ESTBENGALCOUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCILOFH ESTBENGENGBILOFHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCILOFH ESTBENGALCOUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCILOFH	61	42 42	103	ENGALGOUNCILO ENGALGOUNCILO ENGALGOUNCILO	103
COMPULSORY ELECTIVE ONDARY FOUCATION WEST RENGALIZO INCIDENT	DHERSECON DHERSECON	DARVEDUC DARVEDUC DARVEDUC	TIONWESTS TIONWESTS	BNGALCOUNCILD BNGALCOUNCILD BNGALCOURCILD	PHIGHERSE PHIGHERSE PHICHERS
ESTBENC <mark>E HEM</mark> ILOPHIGHERISECONDA MEDIDATION WESTBENGALOCANCILOFF ESTBENCALOCIDACILOFFIGHERSECONDA RYEDUCATION WESTBENGALOCANCILOFFI ESTBENGALOCANCILOFFIGHERSECONDA RYEDUCATION WESTBENGALOCANCILOFFI	64	^ 66 €	130	NGALOSTACILO NGALOSTACILO NGALCOUNCILO	167L
ESTBENÇAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGA, COUNCILOFH ESTBENÇAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFH ESTBENGAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFH	80	80	160	HAGALGOUNGLO HAGALGOUNGLO HAGALGOUNGLO	160L
STRENGAL COUNCILO HIGHERSECONDARYEDUCATIONWES BENGAL CUNCILOFE STBENGPHYS LOPHIGHERSECONDARYEDUCATIONWES BENGAL COUNCILOFE STBENGA COUNCILOPHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFE STBENGA COUNCILOPHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFE STBENGAL COUNCILOPHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOPHIGHT	57	24 5 5 0 0	112	NGAL 35	147
OPTIONAL ELECTIVE PSECONDÁRYEDUCATIONWESTBENGAL COUNCILOFH	GHERSECON TERSECON	BARYEDUC	TIONWESTS	INGALCOUNCILE	EHICHERSE!
ESTBENGAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFH MARKS ADDED LIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFH	CHERSECON	DARYED IN DARYEDUS IAS VEDUS IAS VEDUS DARYEDUS DARYEDUS DARYEDUS DARYEDUS DARYEDUS	TIONWESTE TIONWESTE TIONWESTE TIONWESTE TIONWESTE TIONWESTE TIONWESTE TIONWESTE TIONWESTE TIONWESTE TIONWESTE	NG ALCOUNCILD	FHIGHERSE FHIGHERSE FHIGHERSE FHIGHERSE FHIGHERSE FHIGHERSE FRIGHERSE FRIGHERSE
STRENGAL COUNCIL OF HIGH ERSECONDARY EDUCATION WEST BENGAL COUNCIL OF HIGH ERSECONDARY EDUCATION WEST BENGAL COUNCIL OF HIGH ERSECONDARY EDUCATION WEST BENGAL COUNWARD	O TERSECON	DARYEDUCA DARYEDUCA	HONVESTE HONVESTE	ERGALCOUNCILO ENGALCOUNCILO	FHIGHERSEC FHIGHERSEC
STBENGALCOUNGLOFHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCLOFH STBENGALCOUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCILOFHIGHERSECONDARYEDUCATIONWESTAND TOTAL	SEV	EN SE	VEN F	IVE OUT O	775
ISTBENGALCOUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFHIGSTBENGALCOUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFHIGSTBENGAL CORESULT STBENGAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL CORESULT STBENGAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGAL COUNCILOFHI	Ann sh tod	SED STEDUCA DARYEDUCA	DONNESTE HONNESTE HONNESTE HONNESTE HONNESTE	ENGAL COUNCILONGE LOS ENGAL COUNCILON ENGAL COUNCILON ENGAL COUNCILON ENGAL COUNCILON ENGAL COUNCILON	HIGHERSEC HIGHERSEC HIGHERSEC HIGHERSEC HIGHERSEC
STBENSALEQUACILOFHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCILOFH STEFNGALCOUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCILOFH STBENGALCOUNCILOFHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCILOFH STBENGALCOUNCILOFHIGHERSECONDARYEDICATIONWESTBENGALCOUNCILOFH STBENGALCOUNCILOFHIGHERSECONDARYEDICATIONWESTBENGALCOUNCILOFHIC	CHERSECON GHERSECON GHERSECON	Set	mich	Surgar	HIGHERSEC HIGHERSEC

PLEASE SEE REVERSE SECONDARY EDUCATIONWES

PHIGHERSECONDARYEDUCATIONWESTBENGALCOUNCIL OF HIGHERSECONDARYEOUC

SECRETARY



GRADE CARD

For the F	IRST	YEAR	B.TECH.	FIRST	(ODD)	SEMESTER	EXAMINA	TION	OF	2006-07	of
Name	SUBH	RENDU	CHATTO	PADHYAY	·			Roll No	0. 1	1501061032	
Registration	n No.	115	0101110	22 OF 2	2004-20	007					Note: U.S.

Subject Code	Server of Technology West E	Letter Grade	Points	Credit	Credit Points
HU101 PH101 M101 ME101 EE101 CH101 PH191 EE191 ME191	ENGLISH LANGUAGE & COMMUNICATION ENGINEERING PHYSICS MATHEMATICS MECHANICAL SCIENCES BASIC ELECTRICAL ENGINEERING ENVIRONMENT & ECOLOGY ENGINEERING PHYSICS LAB. ELECTRICAL ENGINEERING LAB. ENGINEERING GRAPHICS	B C D A D C C C C C C C C C C C C C C C C	7 6 5 8 5 8 9 8 9	3 4 4 4 3 2 2 2 2 2	21 24 20 32 20 24 18 16
Bengal University Fectivalogy West University of Tech Bengai University Fectivalogy West University of Tech Bengal University	Bondal University of Technology West Teams University of Technology West Bergal University of Technology West Bergal University of Technology Was Dengal University of Technology Was Dengal University of Bergal Universit	bity West Bir of Technology gal University logy West Leading of Technology of Onliversity of technology and their oxid West Bar	echnology of University the facts diag for Loss make West die gut L of Technology year Deogai L of Technology of University	was Benga of Technology niversity of To West Benga of Technology amounty of To West Henga of Trichinology to West Henga west Henga or Technology	West Length of West L
echnology West	changed University of Technology West Sungar Jane Total of Technology West Brooks University of Technology West Brooks University of Technology West Brooks University	logy Wirst Ber	gui University	30	213

SGPA FIRST YEAR FIRST (ODD) SEMESTER : 7.10

SGPA

YGPA

Result

College / Institution B.P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY

Kolkata, The 16TH FEBRUARY 2007



GRADE CARD

For the FIRST YEAR B. TECH. SECOND (EVEN) SEMESTER EXAMINATION OF 2006-07

Name SUBHRENDU CHATTOPADHYAY Roll No. 11501061032

Registration No. 115010111022 OF 2006-2007

Subject - Code	Subjects Offered	Letter Grade	Points	Credit	Credi Points
PH201	ENGINEERING PHYSICS	C.	6	4	24
M201	MATHEMATICS	E	9	4	36
ME201	MECHANICAL SCIENCES	A	8	3	24
15201	INTRODUCTION TO COMPUTING	A:	8	3	24
E0201	BASIC ELECTRONICS ENGINEERING	B	7 5	4	58
CHZO:	ENGINEERING CHEMISTRY	D-	5	3	15
FH291	ENGINEERING PHYSICS LAB	E	9	1	9
CH291	ENGINEERING CHEMISTRY LAB	A	В	1	
CS291	COMPUTING LAB	0	10	2	20
EC291	ELECTRONICS ENGINEERING LAB	0	10	2 2	20 -
ME291	ENGINEERING GRAPHICS	. 0	10	2	20
ME292	WORKSHOP PRACTICAL	- 0	10	2	20
		4			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
		- A 10			
	Total			31	248

SGPA FIRST YEAR FIRST (ODD) SEMESTER : 7.10

SGPA FIRST YEAR SECOND (EVEN) SEMESTER : 8 00

YGPA FIRST YEAR : 7.56

Result P

College / Institution B P PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY

Kolkata, The 22ND AUGUST 2007

Controller of Examinations

2327720637



GRADE CARD

Contract of the second					
Name	115010111022 05 2004-2007	R	toll No	15010610	32
Subject Code	Design University of Tach Subjects Offered and Integrate of Toplant	Letter Grade	Points	of Creditor	Credit Points
Jungal Universal Technology West University of Tech Bengal University Technology West University of Tech Bengal University Technology West University of Tech Bengal University Technology West	DATA STRUCTURE & ALGORITHMS CIRCUIT THEORY & NETWORKS COMPUTER ORGANISATION DIGITAL ELECTRONICS & LOGIC DESIGN PRINCIPLES OF PROGRAMMING LANGUAGE DATA STRUCTURES LAB DIGITAL ELECTRONICS AND LOGIC DESIGN LAB BOTTONICS AND LOGIC PROGRAMMING PRACTICE LAB CIRCUITS & NETWORKS LAB STORY WAS BOTTON AND LOGIC STRUCTURES AND LOGIC	Company of the Compan	of Technology at Universely west Be Sail L of Technology at Universely west Be Sail L of Technology at Universely west Bengal L ochnology at Universely set Bengal L ochnology at Universely west Bengal L ochnology at Universely west Bengal L of Technology at Universely	of Technology investly of Technology in Technology	hrold 18/0 Unis 18/0 West Bongs hrology West University West Bengs thrology Was University What Bengs thrology Was University What Bengs hrology West University What Bengs hrology West University What Bengs hrology West University What Bengs
Technology West	Bir next University of Technology W. T. Warner and Technology W. T. Warner and Technology W. T. Warner and T. C. Warner and T. Wa	Con April Da	and the print	30.0	238. 0
SGPA SI	ECOND YEAR FIRST (ODD) SEMESTER: 7.9	73	110000000000000000000000000000000000000		
SGPA -					
YGPA	-	TISO10111022 OF 2006-2007 Technology Value Bengal University of Points Office of Points Of			
Result	prettion No. 115010111022 DF 2006-2007 Joseph Umanary of Technology Vision Bergal University of				
College / Ins	titution B. P. PODDAR INSTITUTE OF MANAGE	EMENT &	TECHNOLO	9Y	

Kolkata, The 15TH MARCH 2008



ST OF DESIGNATION OF THE PARTY	OND YEAR BTECH (CSE) SECOND (EVEN) SI SUBHRENDU CHATTOPADHYAY		A CONTRACTOR OF THE PARTY OF TH	ION OF 2	
Registration N	115010111022 DF 2006-2007				
Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
M401 CS401 MCS402 EC411 CS403 CS492 CS493 EC481 HU481	MATHEMATICS FORMAL LANGUAGE & AUTOMATA THEORY OPERATION RESEARCH & OPTIMISATION TECHNIQUES PRINCIPLES OF COMMUNICATION ENGO ADVANCED COMPUTER ARCHITECTURE OPERATION RESEARCH LAB COMPUTER ARCHITECTURE & ORGANIZATION LAB COMMUNICATION ENGINEERING LAB TECHNICAL REPORT WRITING & LANGUAGE PRACTICE LAB	E B B O E O A	9 7 7 7 10 9	4.0 4.0 4.0 2.0 2.0 2.0 2.0	36. 0 28. 0 32. 0 21. 0 28. 0 20. 0 18. 0
	and collection by collection West Bergal History	of Burney	Mark Selection 1	Manager and Control	710.0
100	Total	four West By	WILL THE	27.0	219.0
7074073	LOUIS TERM TANK THE TERM TO TH	93			
SGPA S	ECOND YEAR SECOND (EVEN) SEMESTER :	8.11			
YGPA S	ECOND YEAR : 8.02				
Result	. P				
College / Ins	titution B. P. PODDAR INSTITUTE OF MANAG	EMENT &	TECHNOLO	IGY	

Kollinta, The 04TH AUGUST 2008



For the THIRD YEAR B. TECH. (CSE) FIRST (ODD) SEMESTER EXAMINATION OF 2008-09 of Name SUBHRENDU CHATTOPADHYAY Roll No. 11501061032

Registration No. 115010111022 OF 2006-2007

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
CS501	OPERATING SYSTEM	B	7	3.0	21.0
CS502	DATABASE MANAGEMENT SYSTEM	A	8	3.0	24.0
PARTY OF THE PARTY			7	4.0	28.0
CS503	DESIGN & ANALYSIS OF ALGORITHM	B	gol Licy coulty	4.0	28. 0
E1205	MICROPROCESSOR &	of Tactinology	Wat Barghill	more than the	20.0
ongot University	MICROCONTROLLERS	pol Strownski	of Technology	West Benga	Liesennity o
EE503	CONTROL SYSTEMS	Cylest Ba	pel Lo-Amore	4.0	24. 0
CS591	OPERATING SYSTEM LAB	0	10	2.0	20.0
CS592	DATABASE MANAGEMENT SYSTEM LAB	0	10	2.0	20.0
E1592	MICROPROCESSOR &	0	10	2.0	20.0
HARRIST IN THE	MICROCONTROLLERS LAB		The resident	Mont Street	Tunning y see
EE593	CONTROL SYSTEM LAB	E	9	2.0	18.0
mare in at facts	argy Wrat Beneat		But Design 6	Silvertily of Ta	hnology W
	of Technology Will		all ephnologi	West Seron	
	Bangal University Technology Wast Blanger University of Fauto-	I cay Wall to	Universit	of Thehnologo	West Berton
niversity of Tech	scropy West Brings I drawers by of Technology West Fishes University	of Teamoungs	distributed to	oversity of the	Iturology Wes
erigs) thivestil	of Technology West Rengal University of Technology World Bar	sall University	of Tachadiag	West Earne	Littleman .
spinology Vient	Bengal University of Technology West Dengal Uniff Boy of Trights	houry Western	igid University	of Technology	West Bring
	lokegy West Bengal University Tigoth relagging to the Polymers by				
engal University	of Technology West Bengal University of Technology West Bengal University of	OF OTHER	of rechestion	West Brings	Univenity
echnology West	Bangal University of Technology Wes ("a good University of Technology	logy west an	gar Linkornu)	of incornategy	West Hengi
	lology West Sengel University of Technology Word, Fange . Minstru				
engu unwerse	of Technology West Burgel University at Technology West Ber Bengal University of an project With Burgel Lightensity of Technology	over the same of	C. N. C. T. HOLD C.	W Technology	White Boom
influentity of Sect	relong West B introl University of Section Law West Borges University	4 hours	What Baricul	myeraity at Ter	nnalugy Wes
Annual Property and the Party of the Party o	A STATE OF THE PARTY OF THE PAR	The Second Second		74 0	203. 0
OCTIONADOY WORL	Bengal University of Technology Vest Corp Total	Oby West By	gal Lawersh	of February	203.0

SGPA THIRD YEAR FIRST (ODD) SEMESTER: 7.81

SGPA -

YGPA -

Result -

College / Institution B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY

Controller of Examinations

Kolkata, The 27TH FEBRUARY 2009



For the THIRD YEAR BTECH (CSE) SECOND (EVEN) SEMESTER EXAMINATION OF 2008-09 of

Name SUBHRENDU CHATTOPADHYAY Roll No. 11501061032

Registration No. 115010111022 DF 2006-2007

Subject Code	bengal University of Teer Subjects Offered	Letter Grade	y of Technological Points Sity		Credit Points
CS601	COMPUTER NETWORK	ant University	of Technolog	West Benga	University of
CS602	SOFTWARE ENGINEERING	A	Was Bengal L	4.0	32.0
CS603	COMPUTER GRAPHICS & MULTIMEDIA		pt lighnolog	3.0	32.0
CS604	SYSTEM SOFTWARE AND ADMINISTRATION	cox West Be	CONF. CECOMORPH	3.0	24.0
CS605	DBJECT TECHNOLOGY & UML	et fochnology	8 mologi		24.0
CS691	COMPUTER NETWORK LAB	O Steel Bar		111111111111111111111111111111111111111	24.0
CS693	COMPUTER GRAPHICS & MULTIMEDIA LAB	of Ochnology	10	2.00	20. 0
CS694	SYSTEM SOFTWARE	and commity	The second secon	2.0	20.0
CWology Walt	& ADMINISTRATION LAB	Jugy Wout Ber	A-C		20.0
CS695	DBJECT TECHNOLOGY LAB	0	10	nivergry of Je	20. 0
CS682			10	2.0	MARKET MARKET CONTRACTOR AND ADDRESS.
mers by of Toch	nology Was Bengal Indian A Tarra July In	.0	22.5652511111111111111111111111111111111	2.0	20. 0
STORY LINES OF	of Hichnology W			Alterety of Tay	The second of the second of the second
Chnology West	Bangai University of Territoriosis Volume Caral Paris, 1970 Paris	CON WOLLD HE	And the Party of State of Stat	and Medical Street All Tare	Alberta Company Com
	APPLICATE THE RESERVE AND ADMINISTRATION OF THE PROPERTY OF TH	mil Timelinia Alfarena	MARINE CONTRACTOR	AND SECURE OF SECURE AND ADDRESS.	The sand and the latest will be found
The state of the s	THE PROPERTY OF THE PROPERTY O	THE RESERVE AND ADDRESS OF THE PARTY OF THE	Book - White his bloom to be your carl.	Table Committee of Charles and American	
COLUMN THE PROPERTY OF THE PARTY OF THE PART	PARTITION OF THE SHARE AN ADDITIONAL PROPERTY AND THE PROPERTY OF THE PARTITION OF THE PART	Contractor of the Publication States and	and had been been been been been been been bee	The second secon	The second secon
result United by	or Reconding Was Bangal Unit of Section 19	et is moole gy	Wast Bengal I.	invinernity of Ted	hinology Wei
	PAPALAY WASSELL DESCRIPTION OF THE PAPALANCE AND A SECOND OF THE P	ALE-THORNOUS PURSUES	R. S. Annald S. W. Stand, L. Laurer, B. S.	and the second s	
The second secon	SHIP THE SHOULD THEN DOMES ASSISTANCE OF LOCKING WIND WINE BUILD	out Chinesials	of Technology	West Book	Onversity of
WHILE SHAPE AND A STREET	CONTRACT LATER TO THE STATE OF THE PROPERTY OF THE PARTY	CONTRACTOR STATE	Annual Property and Committee of the Com	and the state of the last of t	A SA A STATE OF THE SAME OF TH
Annual of the	sology West Berling (I districtly as section as a Wout Bangar Line of other	SE DECEMBER	What Bringals.	nhonsity of To	nnology.Wes
chinalogy West	Sungai University of Fachholog, View Parent as Total The Inf	CONTACTOR OF	- Production is	27.0	236. 0
mersily of Tock	ophics was Research the only of Inchrology West served Union	Con West Se	GBI University	or ACXIMION	230.0

SGPA THIRD YEAR FIRST (ODD) SEMESTER : 7.81

SGPA THIRD YEAR SECOND (EVEN) SEMESTER : 8.74

YGPA THIRD YEAR : 8.28

Result : P

College / Institution B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY

Kelkata, The 25TH AUGUST 2009

Kolkata, The 2ND MARCH 2010

WEST BENGAL UNIVERSITY OF TECHNOLOGY



	BUBHRENDU CHATTOPADHYAY	P	coll No. 11	50106103	
THE COLUMN TWO IS NOT THE OWNER.	No. 115010111022 OF 2006-2007				
Subject Code	Empai University of Toch Subjects Offered A University of Justice	Letter Grade	Points	Credit	Credit Points
C8701	LANGUAGE PROCESSOR	Buth be	fechnolog	West being	Linkwicky
CS702	ARTIFICIAL INTELLIGENCE	Δ	Ves pianos	3	21
C8703	VISUAL PROGRAMMING & WEB	c	of Technolog		18
in the late of the	TECHNOLOGY WHITE BETTER TO THE TECHNOLOGY OF THE TECHNOLOGY	logy West Re	gal Universit		West be
HU701	FINANCIAL MANAGEMENT AND ACCOUNTS	B	of T-Z-hnolog	3	21
28704D	ADVANCED OPERATING SYSTEM	B	7		21
8792	ARTIFICIAL INTELLIGENCE LAB	of E of mology		2	18
08793	VISUAL PROGRAMMING & WEB	0.0	10	1/21 Jeng	20
archingy www	TECHNOLOGY LAB	og: West Bo	that Minnend	ut Tischiscom	Wool Hos
8795	ASSIGNED PROJECT	Ε	9	4	36
5781	PRACTICAL TRAINING EVALUATION	0	10	2	20
9782	SEMINAR ON ASSIGNED/ SELECTED TOPIC	D	10	2	20
Call University	it of Technology W. The program of the second at the second	- 1 to 4 to	E State of	Was Bring	Or mail
wandy of the	of Dengal University at Technology Visit Burgal University of Locum 1 social Wood Beagal Coloralty of Technology Wood Dengal University	Ogy What his	No. Linear	of Formulag	Was be
gal Universi	I W Technology West Eanger University of Technology West Ber	of lesongings	hi Tashnalan	Distantify of 18	monlugger
	BUNGAL MARKETHE ST. HETSENSONS MAKE PROPERTY SALES AND TRANSPORT	Drum I M. London St. Co.	STREET, SQUARE SECTION AND DESCRIPTION AND ADDRESS OF THE PARTY AND ADD	and the state of the same	Minna Ben
	The same with the same of the	cal Transit Against	Million W. Thankson and I	And the latest territory of th	hronein V
ALL PRINCIPLE	HI IN SCHOOLSEN WHITE DESIGNATION TO BE AN ADDRESS OF SECOND	hisproation rath.	and the control of th	1/Monat Discourse	Length
	Bungal University of Technology What I would C more for the in- trializer West Bengal University of Technology Let (Bengal Enterprise	Technology	Service Services	M STORES	Water Do
	IN AN ADDITIONAL WEST SHADEL LINEARING OF THE DRIVE WOOL PART	well I transcomme	The bruiles	Milwell Bankling	V Harrison Mr.
TODOOL MAR	HE HE WAS LINEARLY OF Technology VIVINIA Sense University of the Av	STITLE CARRIED DOOR	THE RESIDENCE IN	real Theorem a little	Although Towns
reinterver led	In Latinary West Product Unit also from Systemplany West Bergood United the	a seculiarida	Vide Below	historicity of the	THE COST
latingy Water	Sangal University of Technology View Tempol & "Total"	Kopy Wast Har	gat University	27	219
SGPA FO	OURTH YEAR FIRST (ODD) SEMESTER : 8.1		Note of Persons and Persons an	of Leading	1
SGPA -					1 10 7 2 10
YGPA -					



GRADE CARD

For the FOURTH YEAR B. TECH. (CSE) SECOND (EVEN) SEMESTER EXAMINATION OF 2009-10

Pall No. 11501061032

Registration No. 115010111022 OF 2006-2007

Name SUBHRENDU CHATTOPADHYAY

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
HU801 HU802 CS801E CS802E CS881 CS882 CS883	VALUES & ETHICS IN PROFESSION INDUSTRIAL MANAGEMENT E-COMMERCE AND ERP ADVANCED JAVA PROCESSING COMPREHENSIVE VIVA-VOCE PERSONALITY DEVELOPMENT ASSIGNED PROJECT	B D A A E O E	7 5 8 8 9 10	3 3 3 3 4 2 8	21 15 24 24 36 20 72
the display of Taure and the country of t	Be you Chinesely to restrict the Vest of Control of Con	Most West Ba	Technology In the gar In the	Went dange a Trefvelop lives by the lives of the lives of the Went danger of the Went danger of the Went danger of the lives danger of the linterval of the lives danger of the lives danger of the lives dang	West Barry
Echnning Wes	tongs University of Richard to Villa 1999 100 Total	ibay leter men	Camping Dig	26	212

SGPAFOURTH YEAR FIRST (ODD) SEMESTER : 8.11

SGPAFOURTH YEAR SECOND (EVEN) SEMESTER : 8.15

YGPAFOURTH YEAR : 8.13

CT 1854

Result : P DGPA : B. 04

College / Institution B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY

DGPA = (1 x YGPA1 + 1 x YGPA2 + 1.5 x YGPA3 + 1.5 x YGPA4)

(DEGREE GRADE POINT AVERAGE) 5

Kolkata, The2ZTH.JULY.2010...

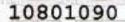
Classification	Letter Grade	Score on 100 Percentage Points	Point
Outstanding	0	100 to 90	10
Excellent	E	89 to 80	9
Very Good	A	79 to 70	8
Good	В	69 to 60	7
Fair	С	59 to 50	6
Below Average	D	49 to 40	5
Failed	F	Below 40	2
Incomplete	I	_	2

$$\frac{\text{YGPA}}{\text{(Yearly Grade Point Average)}} = \frac{\text{Credit Index Odd Semester}}{\sum \text{Credit Odd Semester}} + \frac{\text{Credit Index Even Semester}}{\sum \text{Credit Odd Semester}} + \frac{\sum \text{Credit Even Semester}}{\sum \text{Credit Even Semester}}$$

X : Ineligible For Promotion

XP : Eligible For Promotion With Backlogs

P : Passed And Promoted



declares

The

SUBHRENDU CHATTOPADHYAY

Bachelor of Technology

on having attended the prescribed course of instructions and fulfilling the requisite professional standard in the subject assessed through written examinations, projects and a dissertation

B.P. PODDAR INSTITUTE OF MANAGEMENT & College TECHNOLOGY

Branch Computer Science & Engineering

DGPA* 8.04

Year 2010

Given under the seal of the University

Holkata



Saljusachi Du

Dated:

8th March 2011

* Degree Grade Point Average

Vice - Chancellor

Indian Institute of Technology Guwahati Master of Technology GRADE CARD





Date: 16.07.2014

Program Duration: 2 Years

Semesters: Four (4)

SUBHRENDU CHATTOPADHYAY

DISCIPLINE: Computer Science and Engineering

Semester I

(July - Nov.) 2012



Course	Course name	Cr.	Gr.
CS 512	Data Structures and Algorithms	6	BB
CS 514	Mathematics for Computer Science	8	CD
	Computer Systems	6	BC
	Programming Lab	3	AB
	Machine Learning	6	88
STATE OF STATE		- Tanagar	
3011/014		RITTER	100
24 (29)		Hipph	

Semester II

(Jan.-May) 2013

Course name	Cr.	Gr.	
Theory of Computation	6	BC	
Systems Lab	3.0	AB	
Self-Stabilizing Algorithm	6	AA	
Parallel Computer Architecture	6	AB	
Embedded Systems	6	88	
	The second	1117	
	puncturiant.	A.14	
		100	
		77.0	
	Theory of Computation Systems Lab Self-Stabilizing Algorithm Parallel Computer Architecture	Theory of Computation 6 Systems Lab 3 Self-Stabilizing Algorithm 6 Parallel Computer Architecture 6	

Semester III

(July - Nov.) 2013

Course	Course name	Cr.	Gr.
CS 698	Course name Project Phase I	24	AA
OH VISITO		011/2	100
		-	
A CONTRACTOR			
ALC: YES			
1105671	THE RESIDENCE OF THE PROPERTY OF THE PARTY O	1000	
	17年15日2日日日1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	E 17/4	100
E THEFT			11
		1257574	

Semester IV

(Jan. - May)

Course	Course name	Cr.	Gr.
	Project Phase II	24	AA
DIFFE OF L		diling	18A
ALL IN		to make	
CS 542	Topics in Distributed Systems (AU)	on the	PP
DEPT.			
		1000	073

Semester and Cumulative Performance Index (S.P.I and C.P.I)

	Sem I	Sem II	Sem III	Sem IV	Status
S.P.I	7.07	8.56	10.00	10.00	Automatical Control
C.P.I	7.07	7.79	8.45	6.81	Completed

16/10/14 X L 16/10/14



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

CODE	GRADE POINTS
AA:	10 Points
AB.	9 "
BB.	8 "
BC	7 "
CC	.6 "
CD	3 //
DD:	4 "
F	0 points and is a FAILURE grade
AU	Audit Course
pp.	Pase
NP.	Fail
1	Incomplete

	LEGENDS USED			
Cr. Credit				
Gr.	ir. Grade			
CSE	Computer Science and Engineering			
ECE-	Electronics and Communication Engineering			
EEE	Electronics and Electrical Engineering			
ME	Mechanical Engineering			
CE	Civil Engineering			
DD	Design			
BT	Biotechnology			
CL	Chemical Engineering			
CT	Chemical Science and Technology			
EP.	Engineering Physics			
MC	Mathematics and Computing			
CH	Chemistry			
EVC	Centre for Environment			
ENC:	Centre for Energy			
NT	Centre for Nanotechnology			

No Class or Division is awarded in this Institute. The Cumulative Performance Index (C.P.I.) in

 $C.P.L = \sum_i C_i P_i / \sum_i C_i$ C_i is the credit of the course

W nere

P, is the grade point obtained by the student in the course

Verified by:

Vono



विद्या परिषद की अनुशंसा पर

संगणक विज्ञान एवं अभियांत्रिकी में

प्रौद्योगिकी निष्णात की उपाधि

शुभ्रेन्दु चट्टोपाध्याय

को इस उपाधि के प्रदान हेतु विनियम विहित अपेक्षाएँ जुलाई 2014 में सफलतापूर्वक पूर्ण करने पर प्रदान करता है।

> भारतीय गणराज्य के अंतर्गत गुवाहाटी में आज 8 जुन 2015 को संस्थान की यह मुद्रा अंकित उपाधि दी गई।

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

upon the recommendation of the Senate hereby confers the degree of

Master of Technology

in

Computer Science and Engineering

on

Subhrendu Chattopadhyay

who has successfully completed in July 2014, the requirements prescribed under the regulations for the award of this degree.

Given this day, under the seal of the Institute at Guwahati in the Republic of India, the 8th day of June, 2015.

Gautam Zibures

निदेशक एव

अध्यक्ष, विद्या परिषद

Director and

Chairman, Senate

View *

कुलसचिव

Registrar

Dro

अध्यम्.

शासी महत्व

Chairman Board of Governors



विद्या परिषद की अनुशंसा पर

संगणक विज्ञान एवं अभियांत्रिकी में

विद्या वाचस्पति की उपाधि

शुभ्रेन्दु चट्टोपाध्याय

को इस उपाधि के प्रदान हेतु विनियम विहित अपेक्षाएँ अप्रैल 2021 में सफलतापूर्वक पूर्ण करने पर प्रदान करता है। भारतीय गणराज्य के अंतर्गत गुवाहाटी में आज 16 जुलाई 2021 को संस्थान की यह मुद्रा अंकित उपाधि दी गई।

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

in

Computer Science and Engineering

on

Subhrendu Chattopadhyay

who has successfully completed in April 2021, the requirements prescribed under the regulations for the award of this degree.

Given this day, under the seal of the Institute at Guwahati in the Republic of India,

the 16th day of July, 2021.

Thesis Title: SDN for Large Scale IoT Networks

J.G. Sithanny

निदेशक एवं अध्यक्षविद्या परिषद , Director and Chairman, Senate Socham

कुलसचिव Registrar Rajin

अध्यक्ष, शासी मंडल Chairman, Board of Governors

Date: 10/09/2020

Ref.: Ph.D/CERT/Thesis/146101002



Thesis Submission Certificate

This is to certify that **Subhrendu Chattopadhyay**(Roll No. 146101002) is a Research Scholar in the Department of Computer Science and Engineering of this Institute. The student has submitted PhD thesis entitled "**SDN for Large Scale IoT Networks**" on 03/09/2020. The thesis is now under examination.

D. Sharma Joint Registrar, Academic Affairs

Joint Registrar (Academic Affairs)
Indian Institute of Technology Guwahati
Guwahati-781039, INDIA

गुवाहाटी - 781 039, भारत

Indian Institute of Technology Guwahati

Guwahati - 781 039, India

Ref.:Ph.D/CERT/Prov/146101002

Phone: Fax

+91-361-258 2192 +91-361-258 2090 +91-361-269 0762

omail web

acadof@lilg.emet.in http://www.litg.ernet.in/ecad

Date: April 19, 2021

PROVISIONAL CERTIFICATE

\$ 150

This is to certify that Mr. Subhrendu Chattopadhyay (Roll No. 146101002), Research Scholar in the Computer Science and Engineering Department of this Institute, has successfully completed the Ph.D. programme of this Institute.

His thesis viva-voce examination was held on 08th April 2021.

The title of his thesis is: SDN for Large Scale IoT Networks.

It is also certified that, as per programme requirement, he also completed comprehensive examination.

The thesis evaluation was done by a pool of examiners including external examiners from India and abroad.

(D. Sharma) Joint Registrar Academic Affairs

Joint Registrar (Academic Affairs) Indian Institute of Technology Guwahati Guwahali-781039, INDIA

गुवाहाटी - 781039, भारत

Indian Institute of Technology Guwahati

Guwahati 781 039, India

Phone : +91-361-258 2192 Fax : +91-361-258 2090

: +91-361-269 0762 Email : acadoff@iitg.ac.in

Web : https://www.iitg.ac.in/acad

Date: 10/09/2020

Ref.: Ph.D/CERT/Thesis/146101002



Thesis Submission Certificate

This is to certify that **Subhrendu Chattopadhyay**(Roll No. 146101002) is a Research Scholar in the Department of Computer Science and Engineering of this Institute. The student has submitted PhD thesis entitled "**SDN for Large Scale IoT Networks**" on 03/09/2020. The thesis is now under examination.

D. Sharma
Joint Registrar, Academic Affairs

Joint Registrar (Academic Affairs)
Indian Institute of Technology Guwahati
Guwahati-781039, INDIA