## **Course offerings in 2015-16 Semester II**

Version 1 dated <u>23.11.2015</u>

## **UG Programmes**

CD	AD	CNO	CName	Credits	Faculty
B.Tech	I year	II Semester –	- CSE&CSD		•
In	MA	IMA102	Mathematics II	3-1-0-4	Shobha Oruganti
In	CS	ICS103	Data Structures	3-1-3-5	Lini Thomas
In	CS	ICS104	Computer System Organization	3-1-0-4	Govindrajulu R
In	EC	IEC103	Basic Electronic Circuits	3-1-3-5	KR Sarma + Rambabu Kalla + Rahul Shrestha
In	CS	ICS105	IT Workshop II	2-0-3-3	Venkatesh Choppella
In	HS	IHS132	HSS Skills 2	2-0-0-2	CEH Faculty
In	HS	IHS142	English 2 (Optional)	2-0-0-2	Aruna Chaluvadi
			Total 16-6-9-23		
B.Tech	I year	II Semester -	ECE & ECD		
In	MA	IMA102	Mathematics II	3-1-0-4	Shobha Oruganti
In	CS	ICS103	Data Structures	3-1-3-5	Lini Thomas
In	CS	ICS104	Computer System Organization	3-1-0-4	Govindrajulu R
In	EC	IEC103	Basic Electronic Circuits	3-1-3-5	KR Sarma + Rambabu Kalla + Rahul Shrestha
In	EC	IEC104	Electronics Workshop I (H2)	1-0-4-2	K.Madhava Krishna
In	HS	IHS132	HSS Skills 2	2-0-0-2	CEH Faculty
In	HS	IHS142	English 2 (Optional)	2-0-0-2	Aruna Chaluvadi
111	110	1110112	Total 15-4-10-22	2002	Titula Cilara vadi
B.Tech	I vear	II Semester –			
In	MA	IMA102	Mathematics II	3-1-0-4	Shobha Oruganti
In	CS	ICS103	Data Structures	3-1-3-5	Lini Thomas
In	CS	ICS105	IT Workshop II	2-0-3-3	Venkatesh Choppella
In	CS	ICS103	Computer System Organization	3-1-0-4	Govindrajulu R
In	HS	IHS132	HSS Skills 2	2-0-0-2	CEH Faculty
PR	SC	SCI341	General & Structural Chemistry	3-1-0-4	Abhijit Mitra + Abdul Rehman
PR	CNS	SCI320	Intro. to Biology	3-1-0-4	Vinod Palakkad
In	HS	IHS142	English 2 (Optional)	2-0-0-2	Aruna Chaluvadi
	110	11101.2	Total 19-5-6-26		1110110 (110120)
B.Tech	I year	II Semester –	- CLD		
In	MA	IMA102	Mathematics II	3-1-0-4	Shobha Oruganti
In	CS	ICS103	Data Structures	3-1-3-5	Lini Thomas
In	CS	ICS105	IT Workshop II	2-0-3-3	Venkatesh Choppella
In	CS	ICS104	Computer System Organization	3-1-0-4	Govindrajulu R
Pr	HS	CLG412	Linguistics 2: Language & Society	3-0-0-4	Dipti M Sharma + Radhika M
In	HS	IHS132	HSS Skills 2	2-0-0-2	CEH Faculty
In	HS	IHS142	English 2 (Optional)	2-0-0-2	Aruna Chaluvadi
Total	16-4-6		, , ,		1
		II Semester –	- CHD		
In	MA	IMA102	Mathematics II	3-1-0-4	Shobha Oruganti
In	CS	ICS103	Data Structures	3-1-3-5	Lini Thomas
In	CS	ICS105	IT Workshop II	2-0-3-3	Venkatesh Choppella

		IHS132	HSS Skills 2	2-0-0-2	CEH Faculty	
Pr		HSS200	Theoretical Humanities Formalisms & Digital Humanities	3-0-0-4	Rajesh Tavva	
Pr		HSS260	Society and Development	3-0-0-4	Harsh Satya	
			Total 16-2-6-22			
B.Tec	h I year	II Semester -	- BSD			
In	MA	IMA102	Mathematics II	3-1-0-4	Shobha Oruganti	
In	CS	ICS103	Data Structures	3-1-3-5	Lini Thomas	
In	CS	ICS105	IT Workshop II	2-0-3-3	Venkatesh Choppella	
In	HS	IHS132	HSS Skills 2	2-0-0-2	CEH Faculty	
Pr	BS	CES212	Structural Analysis	3-1-0-4	Venkateswarlu M	
In	BS	CES511	Engineering Drawing and Sketching	3-1-0-4	Bhalkikar Aniket Nitin	
In	BS	CES115	Strength of Materials Workshop	3-1-0-4	Swajit Singh Goud	
In	HS	IHS142	English 2 (Optional)	2-0-0-2	Aruna Chaluvadi	
			Total 19-5-6-26			
B.Tec	h II year	II Semester	- CSE&CSD			
In	HS	IHS201	Intro to Humanities	3-1-0-4	Navjyoti Singh	
Pr	CS	CSE311	Formal Methods	2-1-0-2	Kishore Kothapalli	
In	HS	IHS152	Human Values II	0-2-0-2	Abhijit Mitra	
In	EG	IEG201	Engineering Systems(*)	3-1-0-4	KS Rajan	
Pr	CS	CSE371	Artificial Intelligence (*)	3-1-0-4	Praveen Paruchuri	
Pr	CS	CSE251	Graphics (*)	2-1-0-3	Avinash Sharma	
In	EC	IEC239	Digital Signal Anal. & Appl. (*)	3-1-0-4	Vineet Gandhi	
In	CS	ICS251	Computer Networks (*)	2-1-0-2	Ganesh N Iyer	
	-		Total 18-9-0-25			
	Notes: Students can postpone one or two (*) courses to take Science and Humanities courses – to pursue Honours or DD in Sciences or Humanities. As an exception, to pursue a research area, a					

student can drop a (\*) course and take a bouquet course.

<b>B.Tech</b>	B.Tech II year II Semester ECE & ECD:						
In	EG	IEG201	Engineering Systems	3-1-0-4	KS Rajan		
Pr	EC	ECE335	Communication Theory I	3-1-0-4	Prasad Krishnan		
Pr	EC	ECE341	Digital Signal Processing	3-1-0-4	Lalitha V		
Pr	EC	ECE339	ECE Lab	0-0-3-1	Anil Kumar V+Lalitha V		
Pr	EC	ECE361	Intro to VLSI *	3-1-0-4	Syed Azeemuddin		
Pr	EC	ECE291	Electronics Workshop II	1-0-4-4	Syed Azeemuddin +		
FI	EC	ECE291	Electronics Workshop II	1-0-4-4	Jayanthi Sivaswamy		
In	HS	IHS201	Intro to Humanities	3-1-0-4	Navjyoti Singh		
In	HS	IHS107	Human Values II	0-2-0-2	Abhijit Mitra		
			Total 16-7-7-27				
B.Tech	II year	II Semester	CND				
In	HS	IHS201	Intro to Humanities	3-1-0-4	Navjyoti Singh		
Pr	CS	CSE251	Graphics	2-1-0-3	Avinash Sharma		
Pr	CS	CSE311	Formal Methods	2-1-0-2	Kishore Kothapalli		
In	HS	IHS107	Human Values II	0-2-0-2	Abhijit Mitra		
Pr	CNS	SCI347	Select topics in Physical Chemistry	3-1-0-4	Harjinder Singh		
D.,	CNS	SCI372	Science Lab II	0-1-4-4	Tapan K Sau +		
Pr	CNS	SC1372	Science Lab II	U-1-4-4	Prabhakar B		
Pr	CNS		Organic Chemistry	3-1-0-4	Abhijit Mitra		
			Total 13-8-4-23				

B.Tec	h II year	r II Semester	CLD		
In	EG	IEG201	Engineering Systems	3-1-0-4	KS Rajan
Pr	CS	CSE371	Artificial Intelligence	3-1-0-4	Praveen Paruchuri
Pr	CS	CSE251	Graphics	2-1-0-3	Avinash Sharma
Pr	CS	CSE311	Formal Methods	2-1-0-2	Kishore Kothapalli
In	HS	IHS201	Intro to Humanities	3-1-0-4	Navjyoti Singh
In	HS	IHS107	Human Values II	0-2-0-2	Abhijit Mitra
In	CS	ICS251	Computer Networks	2-1-0-2	Ganesh N Iyer
Pr	HS	CLG422	Computational Linguistics 2	3-1-0-4	Radhika M + Soma Paul
	112	020.22	Total 18-9-0-25		
B.Tec	h II year	r II Semester			
In	CS	ICS104	Computer System Organization	3-1-0-4	Govindrajulu R
Pr	CS	CSE371	Artificial Intelligence (*)	3-1-0-4	Praveen Paruchuri
Pr	CS	CSE251	Graphics (*)	2-1-0-3	Avinash Sharma
Pr	CS	CSE311	Formal Methods	2-1-0-2	Kishore Kothapalli
In	HS	IHS107	Human Values II	0-2-0-2	Abhijit Mitra
In	CS	ICS251	Computer Networks	2-1-0-2	Ganesh N Iyer
		HSS330	Space Time & Imaginary Reality	3-0-0-4	Navjyoti Singh
		HSS300	History of Ideas	3-0-0-4	Nanda Kishor Acharya
		HSS341	Classical Language: Sanskrit I	3-0-0-2	Shashi Rekha P
		1100011	Total 21-7-0-27	3 0 0 <b>2</b>	Shashi itemia i
B.Tec	h II veai	r II Semester			
In	CS	CSE251	Graphics	2-1-0-3	Avinash Sharma
In	HS	IHS107	Human Values II	0-2-0-2	Abhijit Mitra
In	BS	CES223	Design of Concrete Structures	3-1-0-4	Pradeep R
In	HS	IHS201	Intro to Humanities	3-1-0-4	Navjyoti Singh
Pr	BS	CEB111	Building Services	3-1-0-4	Vishal Garg
Pr	BS	CEF211	Soil Mechanics	3-1-0-5	Neelima Satyam
Pr	BS	CEW212	Hydraulics	3-1-0-5	Shaik Rehana
			Total 17-8-4-27		
B.Tec	h III vea	r II Semeste	r – CSE:		
In	CS	CSE496	BTP I	3-0-0-4	
Pr	CS		Bouquet Core	3-1-0-4	
OT	[+]	ISC202	Science II	3-1-0-4	M.Krishnan
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Elective (CS / Free)	3-1-0-4	
	LJ	I	Total 18-1-0-20		
B.Tec	h III yea	r II Semeste			
Pr	CS		Bouquet Core	3-1-0-4	
OT	[+]	ISC202	Science II	3-1-0-4	M.Krishnan
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Elective (CS / Free)	3-1-0-4	
			Research Stream Course	3-1-0-4	
		CSE492	Honours Project II	3-0-0-4	
	ı	1	Total 18-5-0-24	l.	1
Boua	uet Cour	:ses			
_			ater Science cater to developing bread	dth in compu	iter science in Foundations
			these courses are also Research Strea		
	•		ons and Systems Bouquet Courses.		
	ms Cour				
CSE4		Database S	Systems	3-1-0-4	Vikram Pudi
			•	L.	1

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CSE431		Distributed Systems		3-1-0-4	Suresh Purini
	dation Co		Operating Systems. Networks desirable		
CSE47		_	Methods in AI	3-1-0-4	Bapi Raju S
CSE41			of Information Security	3-1-0-4	Kannan Srinathan
CSE48		-	on Methods	3-1-0-4	CV Jawahar
		r II Semester		3104	C V Jawanai
OT	[+]	i ii semeste	Science/Maths/Humanities	3-1-0-4	
Pr	EC	ECE337	Communication Networks*	3-1-0-4	Ubaidulla P
Pr	EC	ISC202	Science II	3-1-0-4	M.Krishnan
OT	CS	15C202	ECE Elective	3-1-0-4	Wi.Kitsiiiaii
In	EC	ECE496	BTP I	3-1-0-4	
111	EC	ECE490	Total 15-4-0-20		
R Tool	h III voo	r II Semester		1	
OT	[+]	II Semester	Science/Maths/Humanities/Engg	3-1-0-4	
		ECE227	Communication Networks*	3-1-0-4	Ubaidulla P
Pr Pr	EC EC	ECE337 ISC202	Science II	3-1-0-4	M.Krishnan
OT	EC	15C2U2	ECE Elective	3-1-0-4	wi.Kiisiiiaii
In	EC		Honours Project II Total 15-4-0-20	3-0-0-4	
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follow	ing four	streams, and a	E electives, all the students are requiat least one from each of the remaining		
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follow Comn Level	ving four s nunication	streams, and a	at least one from each of the remaining	g three strean	ns.
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follow Comm Level ECE43 ECE43 ECE43 Level ECE44 ECE43 Level ECE44 CSE57 VLSI Level ECE46 CSE46 CSE46 Level ECE46 Level ECE46 Level ECE46 CSE42	ving four somunication 1 31 31 39 34 2 32 1 Process 1 46 34 2 49 78 & Ember 1 65 2 22 tics Streat 1 52 2	Signal Determination Signal Signal Determination Signal Determination Signal Determination Si	ection and Estimation Theory ecting Codes heory mmunication & Networks stems heory  Vision  Stream  itectures  Computer Architecture Computer System Organization	3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4	Sachin Chaudhari Prasad Krishnan G.Rama Murthy  Jayashree Ratnam  Anil Kumar V G.Rama Murthy  TBA Anoop Namboodiri  Rahul Shrestha  Govindarajulu R
follow Comm Level ECE43 ECE43 ECE43 Level ECE44 ECE44 ECE44 CSE57 VLSI Level ECE46 CSE46 CSE46 Level CSE46 Level CSE46 Level CSE46 Level Level Level Level Level Level	ving four somunication 1 31 39 34 2 32 1 Process 1 46 34 2 49 78 & Ember 1 65 2 22 tics Streat 1 52 2 49	Signal Determination Signal Signal Determination Signal Determination Signal Determination Si	ection and Estimation Theory ecting Codes heory mmunication & Networks stems heory Neural Networks Vision as Stream itectures Computer Architecture Computer System Organization botics: Mechanics & Control Neural Networks	3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4	Sachin Chaudhari Prasad Krishnan G.Rama Murthy  Jayashree Ratnam  Anil Kumar V G.Rama Murthy  TBA Anoop Namboodiri  Rahul Shrestha  Govindarajulu R  K.Madhava Krishna
Follow Comm Level ECE43 ECE43 ECE43 Level ECE44 ECE44 ECE44 ECE44 CSE57 VLSI Level ECE46 Level CSE47 CSE47 Level ECE46 Level ECE46 Level ECE46 Level ECE45	ving four sommer for the control of	Signal Determination Stream  Signal Determination S	ection and Estimation Theory ecting Codes heory mmunication & Networks stems heory Neural Networks Vision as Stream itectures Computer Architecture Computer System Organization botics: Mechanics & Control Neural Networks	3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4 3-1-0-4	Sachin Chaudhari Prasad Krishnan G.Rama Murthy  Jayashree Ratnam  Anil Kumar V G.Rama Murthy  TBA Anoop Namboodiri  Rahul Shrestha  Govindarajulu R  K.Madhava Krishna

CSE461

Software Engineering

Raghu Reddy Y

3-1-0-4

B.Tech	III year	· II Se	emeste	er – CND				
Pr	CS			Bouquet Core	3-1-	-0-4		
Pr	CS			Bouquet Core	3-1-	-0-4		
Pr	CNS			Organic Chemistry	3-1-	-0-4	Abh	ijit Mitra
Pr	CNS			Honours Project 2 (CS)	0-0-	-8-4		
Pr	CNS			CNS Elective	3-1-	-0-4		
Pr	CS			CS Elective	3-1-	-0-4		
				CCNSB Seminar	0 C	redits		
				Total 15-5-8-24				
Elective	es for C	ND-3	and C	ND-4				
SCI551			Intro t	to Bioinformatics		3-1-0-	-4	Nita Parekh
			Intro t	o Nanobiotechnology		3-1-0-	-4	Tapan Kumar Sau
				ematical Physics (Tentative Name)		3-1-0-	-4	C Mukku
SCI765			Intro t	to Systems Biology		3-1-0-	-4	Vinodh PK + Dipanjan Roy
B.Tech	III year	· II Se	emeste	r – CLD:		T		T.
				Humanities Elective		3-0-0		
Pr	CS			Bouquet Core		3-1-0		
Pr				CL-Elective		3-1-0		
Pr	CS	CSE	E573	NLP Applications		3-1-0		Manish Shrivastava
Pr	CS			CS Elective		3-1-0	-4	
In	CS			Hons Project		3-0-0	-4	
				Total 18-5-0-24				
Elective	es for Cl	LD St	tudent	S				
CLG45	2			istic Data 2: Collection & Modeling		3-0-0	)-4	TBD
CSE972	2		Topic Retrie	s in Speech Processing: Audio Informatival	ation	3-0-0	)-4	Suryakanth VG
CSE47	4		(Only	nation Retrieval and Extraction for UG3-CSE PG1-CSE/CSIS DD3 DD4 and D students)	d	3-1-0	)-4	Vasudeva Varma
CLG54	3			urse in Generalized Syntax		3-1-0	)-4	Soma Paul
ECE44	6			h Systems		3-1-0	)-4	Anil Kumar V
			_	s in Discourse Analysis		3-1-0		Dipti M Sharma + Radhika M
B.Tech	III year	· II Se		er – CHD:				
				ouquet Core		3-1-0		
				ve from CS		3-1-0		
				ve from Humanities		3-0-0		
				inities Sub-Stream Course II		3-0-0		
HSS57				endent Study		3-0-0		
HSS59	<u>l</u>		Confl	uence Projects		4-0-0	)-4	
				Total 21-3-0-26				
HSS423		ective	Classi	cal Text Reading II: Greek Thought		3-1-0	)-4	Juan Pablo Sanchez
HSS424				c Text Reading IV: Research Specific		3-1-0	)-4	CEH Faculty
		· II Se		er – BSD:				
CES33	1			ating and Costing		3-1-0		
				onours Project-2		0-0-8		
				n Elective		3-1-0		
				ective		3-1-0		
				ective		3-1-0		
			Huma	inities Elective		3-1-0	)-4	

BSD S	Stream El	ectives	Total 15-5-8-24		
		Proba	ability & Statistics in Civil Engineering	3-1-0-4	Sahiak Rehana
			Ventilation & Air Condition (HVAC)	3-1-0-4	Vishal Garg
		Appl	ications of Geotechnical Engineering	3-1-0-4	Neelima Satyam
B.Tec	ch IV year	II semeste	er – CSE:		
Pr	CS		Bouquet Core (*)	3-1-0-4	
			Elective (CS / Free)	3-1-0-4	
			Elective (CS / Free)	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
			Total 15-5-0-20		
B.Tec		II semeste	er - CSD:		
Pr	CS		Bouquet Core (*)	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
			Elective (CS / Free)	3-1-0-4	
Pr	CS		Research Stream/CS Course	3-1-0-4	
		CSE494	Honours Project IV	3-0-0-4	
			Total 18-5-0-24		
		II Semeste			
O	[+]		Science/Maths/Humanities	3-1-0-4	
OT	[+]		Science/Maths/Humanities	3-1-0-4	
Pr	EC		EC Elective	3-1-0-4	
Pr	EC		EC Elective	3-1-0-4	
			Free Elective	3-1-0-4	
			Total 15-5-0-20		
		II Semeste		<u></u>	
OT	[+]		Science/Maths/Humanities	3-1-0-4	
OT	[+]		Science/Maths/Humanities	3-1-0-4	
Pr	EC		EC Elective	3-1-0-4	
Pr	EC		EC Elective	3-1-0-4	
			Free Elective	3-1-0-4	
			Honours Project IV	3-0-0-4	
Total	18-5-0-2				
		II Semeste			1
Pr	CS		Bouquet Core	3-1-0-4	
Pr	CNS		Honours Project IV (CNS)	3-1-0-4	
Pr	CNS		CNS Elective	3-1-0-4	
OT	[+]		CNS Elective	3-1-0-4	
	EC/E G		Engg Elective	3-1-0-4	
			Free Elective	3-1-0-4	
		SCI400	CCNSB Seminar	0 Credits	
Total	18-6-0-2	24 · II Semeste	or - CID		
OT		11 Semest	Humanities Elective	3-1-0-4	
	[+] CS			3-1-0-4	
Pr	??		Bouquet Core		
Pr	CS		CL-Elective	3-1-0-4 3-1-0-4	
Pr			CS Elective		
In	CS		Project	3-0-0-4	

Total 15-4-	-0-20			
	ear II Semeste	r - CHD		
		CS Bouquet Core	3-1-0-4	
		Elective from CS	3-0-0-4	
		Elective from Humanities	3-0-0-4	
	HSS522	Humanities Sub-Stream Course IV	3-0-0-4	
	HSS691	Confluence Projects-Honours-3	4-0-0-4	
NOTE: All		<b>Fech students are informed to check the</b>	eir credit requi	rements for their
	before registra			
,		PG Programmes		
M.Tech CS	E I Year II Sen	nester: Registration Advisor:		
1,101,001,001	Bouquet	<u> </u>	3-0-1-4	
	Bouquet of		3-0-1-4	
	Area elec		3-0-1-4	
		core /Area elective/		
		tive/Other elective/		
		dependent study	3-0-1-4	
Bouquet Sv	stems Courses	<b>.</b>	<u> </u>	
CSE441	Database	Systems	3-1-0-4	Vikram Pudi
CSE461		Engineering	3-1-0-4	Raghu Reddy Y
CSE431	Distribute	ed Systems	3-1-0-4	Suresh Purini
		Operating Systems. Networks desirable.	3-1-0-4	Suresir Furini
	undation Cour			
CSE471		Methods in AI	3-1-0-4	Bapi Rajul S
CSE418		of Information Security	3-1-0-4	Kannan Srinathan
CSE481		ion Methods	3-1-0-4	CV Jawahar
M.Tech CS	E - II year II se		2001	
		tive / Bouquet core	3-0-0-4	
		tive / Bouquet core	3-0-0-4	
	Area proj		8 Credits	
		/ Open elective / Other elective	3-0-0-4	
<b>N</b> (D) 1 (C)		Open elective/ Other elective	3-0-0-4	
	IS – I year II se		2 1 0 4	A 1 1 IZ D
CS5470	-	d Network Security	3-1-0-4	Ashok Kumar Das
CSE418		of Information Security	3-1-0-4	Kannan Srinathan
		ore elective	3-0-1-4	
Danguet eer		ore elective	3-0-1-4	
CSE441		ke 2 courses among the following 3 cou	3-1-0-4	Vikram Pudi
CSE441 CSE461	Database S	Engineering	3-1-0-4	
	Distribute	· ·		Raghu Reddy Y
CSE431		Operating Systems. Networks desirable.	3-1-0-4	Suresh Purini
CSE471		Methods in AI	3-1-0-4	Bapi Raju S
M.Tech CS	IS – II year II S	Semester :	l l	<u>, 1</u>
	Project II		8 credits	
CS5476		on Security Audit and Assurance	3-0-0-4	Shatrunjay Rawat
		Area/C/IT Elective	3-0-0-4	
M.Tech VL	SI & CE - I ye		<u>'</u>	<del>,</del>
ECE460		VLSI Design	3-1-0-4	Syed Azeemuddin
ECE465	VLSI Arc		3-1-0-4	RAghu Shrestha
CSE422	Advanced	Computer Architecture *	3-1-0-4	Govindarajulu R
COLTAL	Prerequisite	: Computer System Organization	J 1 U- <del>T</del>	50 maarajara K

	Elective	3-1-0-4	
M.Tech VLSI	& CE - II year II semester		1
	Project/Internship	12 cr	
	Independent Study	4 cr	
<b>Electives for M</b>		1	1
ECE449	Artificial Neural Networks	3-1-0-4	TBA
ECE452	Intro to Robotics: Mechanics & Control	3-1-0-4	K.Madhava Krishna
ECE551	Advances in Robotics & Control	3-1-0-4	Rambabu Kalla
ECE434	Network Theory	3-1-0-4	G.Rama Murthy
Note: Any other	elective from the list of electives being offered may be	chosen with cons	sent of course
instructor and I	Dr. Syed Azeemuddin.		
M.Tech CASE	- I year II semester:		
CS3010	Computing Tools	3-1-0-4	Mulualem Teku
	SE/CS Elective	3-1-0-4	
	SE Elective	3-1-0-4	
	SE Elective / Project	3-1-0-4	
Electives for I	year M.Tech CASE		
CES641	Earthquake Engineering	3-1-0-4	Pradeep R
CES612	Advanced Structural Analysis	3-1-0-4	Venkateswarlu M
CEF631	Foundation Engineering & Design	3-1-0-4	Supriya Mohanty
	Probability & Statistics in Civil Engineering	3-1-0-4	Sahiak Rehana
	Heat, Ventilation & Air Condition (HVAC)	3-1-0-4	Vishal Garg
	Applications of Geotechnical Engineering	3-1-0-4	Neelima Satyam
CES771	CASE Project	4 credits	
	Any BS/SI/CS Elective		
M.Tech CASE	- II year II Semester		1
	Elective	3-1-0-4	
<b>Electives for II</b>	year M.Tech CASE	<u> </u>	1
CES772/	CASE During	8/16	
CES774	CASE Project	credits	
	Any BS/SI/CS Elective	3-1-0-4	
M.Tech Bioinfo	ormatics I year II semester:		
CS3010	Computing Tools	3-1-0-4	Mulualem Teku
SCI551	Intro to Bioinformatics	3-1-0-4	Nita Parekh
SCI433/633	Modeling and Simulations	3-0-1-4	Deva Priyakumar
CC1765		2 1 0 4	Vinodh PK +
SCI765	Intro to Systems Biology	3-1-0-4	Dipanjan Roy
	Intro to Nanobiotechnology	3-1-0-4	Tapan Kumar Sau
M.Tech Bioinfo	ormatics II year II Semester :		
SCI400	CCNSB Seminar	0 Cr	
SCI XXX	Project*	4/8 Cr	
	* Not compulsory, if 4 credits done in III Semester		
	IT elective	3-1-0-4	T7' 11 DT7
SCI765	Intro to Systems Biology	3-1-0-4	Vinodh PK +
			Dipanjan Roy
<b>D</b> :	Domain/IT elective	3-1-0-4	
Domain Electiv			
	Proteomics & Metabolomics	3-1-0-4	Sangeeta Kumari
	Intro to Nanobiotechnology	3-1-0-4	Tapan Kumar Sau

NOTE: All th	e 2 <sup>nd</sup> year M.Tech students are informed to check the	ir credit requ	uirements for their
graduation, b	efore registration.		
	rch in CL - I year II Semester:		
CSE573	NLP Applications	3-0-2-4	Manish Shrivastava
CLG422	Computational Linguistics 2	3-0-1-4	Radhika M + Soma Paul
	CS Elective	3-0-1-4	
	Stream/Breadth Elective	3-0-1-4	
II year II Sen	nester		
	MS Thesis	0-0-36-	
		12	
	ear II semester :		
,	Science and Maths):		
CSE573	NLP Applications	3-0-2-4	Manish Shrivastava
CLG422	Computational Linguistics-2	3-0-0-4	Radhika M + Soma Paul
	Elective (Computer Science)	3-0-0-4	
	Project	0-0-6-2	
Stream II (La	inguage and Linguistics):		•
CLG612	Basic Maths 2	3-0-0-4	G.Rama Murthy
CLG422	Commutational Linguistics 2	3-0-0-4	Radhika M +
CLG422	Computational Linguistics 2	3-0-0-4	Soma Paul
CLG662	Computer and Scripting 2	3-0-2-4	Mulualem Teku
* Flexi core			
Electives			
CSE441	Database Systems	3-1-0-4	Vikram Pudi
CSE461	Software Engineering	3-1-0-4	Raghu Reddy Y
CSE431	Distributed Systems Prerequisite: Operating Systems. Networks desirable.	3-1-0-4	Suresh Purini
CSE418	Principles of Information Security	3-1-0-4	Kannan Srinathan
CSE481	Optimization Methods	3-1-0-4	CV Jawahar
CSE471	Statistical Methods in AI	3-1-0-4	Bapi Raju S
CSE545	Advances in Data Mining	3-1-0-4	PK Reddy
ECE431	Signal Detection and Estimation Theory	3-1-0-4	Sachin Chaudhari
ECE439	Error Correcting Codes	3-1-0-4	Prasad Krishnan
ECE532	Optical Communication & Networks	3-1-0-4	Jayashree Ratnam
	Network Theory	3-1-0-4	G.Rama Murthy
ECE446	Speech Systems	3-1-0-4	Anil Kumar V
ECE449	Artificial Neural Networks	3-1-0-4	TBA
CSE578	Computer Vision	3-1-0-4	Anoop Namboodiri
	Topics in Parallel Processing	3-1-0-4	Kishore Kothapalli
ECE465	VLSI Architectures	3-1-0-4	Rahul Shrestha
CSE422	Advanced Computer Architecture Prerequisite: Computer System Organization	3-1-0-4	Govindarajulu R
ECE452	Intro to Robotics: Mechanics & Control	3-1-0-4	Madhava Krishna
ECE551	Advances in Robotics & Control	3-1-0-4	Rambabu Kalla
CSE563	Internals of Application Servers	3-1-0-4	Ramesh Loganathan
CSE972	Topics in Speech Processing: Audio Information Retrieval	3-0-0-4	Suryakanth VG
CSE486	Intro to Neural & Cognitive Modeling (Max:30)	3-1-0-4	Dipanjan Roy
CSE567	Usability Engineering	3-1-0-4	Priyanka Srivastava

CS5470	System and Network Security	3-1-0-4	Ashok Kumar Das
CSE566	e-Governance (for UG(3/4 yr) & PG students only – Max:45)	3-1-0-4	Harish P Iyer
CS5476	Information Security Audit and Assurance	3-0-0-4	Shatrunjay Rawat
CLG452	Linguistic Data 2: Collection & Modeling	3-0-0-4	TBA
CSE474	Information Retrieval and Extraction (Only for UG3-CSE, PG1-CSE/CSIS, DD3, DD4 and MS/PhD students)	3-1-0-4	Vasudeva Varma
CLG512	Topics in Natural Language Semantics	3-1-0-4	Soma Paul
	Topics in Discourse Analysis	3-1-0-4	Dipti M Sharma + Radhika M
CLG422	Computational Linguistics 2	3-0-1-4	Radhika M + Soma Paul
CSE573	NLP Applications	3-0-2-4	Manish Shrivastava
CSE569	Software Foundations	3-1-0-4	Suresh Purini
Science Electiv	es (Selection randomly based on student preferences) I	<b>Maximum</b>	no. of students for
	ourses is given in brackets		
	General & Structural Chemistry (100)		Abhijit Mitra +
SCI341	(a) First-come-first serve registration (b) 4 <sup>th</sup> year students get preference (c) interview, in case of over-subscription.	3-1-0-4	Abdul Rehman
SCI320	Intro. to Biology (15)	3-1-0-4	Vinod Palakkad
SCI372	Science Lab II (5-10)	0-1-4-4	Tapan K Sau + Prabhakar B
SCI347	Select topics in Physical Chemistry (25)	3-1-0-4	Harjinder Singh
SCI433/633	Modeling and Simulations (25)	3-1-0-4	Deva Priyakumar
SCI765	Intro to Systems Biology (25)	3-1-0-4	Vinod Palakkad + Dipanjan Roy
	Organic Chemistry (25) Prerequisite Course: ABA or GSC; Interview by the faculty for registration	3-1-0-4	Abhijit Mitra
	Intro to Nanobiotechnology (25)	3-1-0-4	Tapan Kumar Sau
	Mathematical Physics (Tentative Name) (40)	3-1-0-4	C Mukku
0	ectives (Selection randomly based on student preference of courses is given in brackets	ces) Maxin	num no. of students
CEG461	Remote Sensing (35)	3-1-0-4	RC Prasad
CEB111	Building Services (10)	3-1-0-4	Neelima Satyam
CEG511	Principles and Practices of Organic Farming (50)	3-1-0-4	Syamasundar Reddy G
Humanities (Se	election Randomly based on student preferences) Maximen in brackets	mum no. o	f students for the
	Classical Text Reading II: Greek Thought		
HSS423	Note: This elective is for UG3 EHD - others can register with faculty consent only.	3-1-0-4	Juan Pablo Sanchez
HSS424	Classic Text Reading IV: Research Specific Note: This elective is for UG3 EHD - others can register with faculty consent only.	3-1-0-4	CEH Faculty
HSS481/482	Digital Humanities Project	2 or 4	CEH Faculty
	Note: Students can register with faculty consent only	credits	•
LAN318	Readings from Hindi Literature (120)	3-1-0-4	Harjinder Singh
	Artistic Pursuits	3-1-0-4	TBD
HSS366	Political Ideology (120)	3-1-0-4	Nanda Kishore Acharya
	<u> </u>		•
Temp6	East and West (120)	3-1-0-4	Juan Pablo Sanchez

for the following courses is: 50 each					
IMA304	Linear Algebra	3-1-0-4	Indranil		
IMA304	Linear Algebra		Chakrabarthy		
IMA	Differential Electives	3-1-0-4	Shobha Oruganti		
	New Elective	3-1-0-4	Subhadip Mitra		

Date: 23.12.2014 Dean (Academics)