

**Courses for Even Semester (February–June) 2017 of Academic Year 2016-17**

Sl. No.	Course No.	Course Title	Credits L-T-P-C	Instr.	2 <sup>nd</sup> sem	4 <sup>th</sup> Sem CE	4 <sup>th</sup> Sem CSE	4 <sup>th</sup> Sem EE	4 <sup>th</sup> Sem ME	6 <sup>th</sup> Sem CSE	6 <sup>th</sup> Sem EE	6 <sup>th</sup> Sem ME	8 <sup>th</sup> Sem CSE	8 <sup>th</sup> Sem EE	8 <sup>th</sup> Sem ME	Description
1.	IC 111	Linear Algebra	2.5-0.5-0-3	MM	C											<a href="#">View</a>
2.	IC 141	Product Realization Technology	2-0-0-2	Powar	C											<a href="#">View</a>
3.	IC 141P	Product Realization Technology lab	0-0-3-2	Powar, RG, RS, VUK	C											<a href="#">View</a>
4.	IC 142	Engineering Thermodynamics	3-1-0-4	RV	C											<a href="#">View</a>
5.	IC 161	Applied Electronics	3-0-0-3	HS	C											<a href="#">View</a>
6.	IC 161P	Applied Electronics Lab	0-0-3-2	HS, KG, GSR, Ankush	C											<a href="#">View</a>
7.	IC 250	Programming and Data Structure Practicum	1-0-3-3	PR, AN, VD, Astrid	C											<a href="#">View</a>
8.	HS 208	English II	3-0-0-3	Aruna	E								E	E	E	<a href="#">View</a>
9.	HS 342	German I	3-0-0-3	GS	E								E	E	E	<a href="#">View</a>
10.	IC 201P	Design Practicum	0-0-6-4	AG, KS, SKS, AN		C	C	C	C							<a href="#">View</a>
11.	IC 210	Probability, Statistics and Random Processes	2.5-0.5-0-3	NK		C	C	C	C							<a href="#">View</a>
12.	IC 240	Mechanics of Rigid Bodies	1.5-1.5-0-3	Spatra		C	C	C	C							<a href="#">View</a>
13.	IC 241	Material Science for Engineers	3-0-0-3	VB		C	C	C	C							<a href="#">View</a>
14.	IC 242	Continuum Mechanics	2.5-0.5-0-3	GB		C	C	C	C							<a href="#">View</a>
15.	IC 260	Signals and Systems	2.5-0.5-0-3	AB		C	C	C	C							<a href="#">View</a>
16.	IC 136	Understanding Biotechnology and Its Applications	3-0-0-3	SKM		C	C	C	C							<a href="#">View</a>
17.	CS 202	Data Structure and Algorithms	3-0-2-4	Dileep			C	E			E					<a href="#">View</a>

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18.	EE 201	Electromechanics	2.5-0.5-0-3	BJ				C								<a href="#">View</a>
19.	EE 201P	Electromechanics Lab	0-0-2-1	BJ				C								<a href="#">View</a>
20.	EE 203	Network Theory	3-0-0-3	TJ		E	E	C	E							<a href="#">View</a>
21.	EE 208P	Digital Systems Design Practicum	1-0-2-2	SRC				C								
22.	ME 210	Fluid Mechanics	3-0-0-3	DS					C							<a href="#">View</a>
23.	CE 251	Hydraulics Engineering	3-0-0-3	DS		C										<a href="#">View</a>
24.	HS 151	Introduction to English Literature	3-0-0-3	Suman						E	E	E	E	E	E	<a href="#">View</a>
25.	HS 202	Principles of Economics	3-0-0-3	Ramna						E	E	E	E	E	E	<a href="#">View</a>
26.	HS 209	New Media Arts	1-0-3-3	Tripti						E	E	E	E	E	E	<a href="#">View</a>
27.	HS 252	Introduction of Psychology	3-0-0-3	Shail						E	E	E	E	E	E	<a href="#">View</a>
28.	HS 304	Organizational Management	3-0-0-3	BP						E	E	E	E	E	E	<a href="#">View</a>
29.	HS 353	Science Technology and Society	3-0-0-3	AKM						E	E	E	E	E	E	<a href="#">View</a>
30.	HS 206	Public Speaking and														
31.	HS 450	Financial Management	3-0-0-3	Puran			E	E	E				E	E	E	<a href="#">View</a>
32.	CS 201	Computer organization	3-0-0-3	AKS			C	C								<a href="#">View</a>
33.	CS 201P	Computer organization Laboratory	0-0-2-1	AKS			C	C								<a href="#">View</a>
34.	CS 302	Paradigms of Programming	3-0-2-4	DK						C						<a href="#">View</a>
35.	CS 307	System Practicum	0-0-3-2	TAG, SK						C						<a href="#">View</a>
36.	CS 309	Information and Database Systems	3-0-2-4	SK						C						<a href="#">View</a>
37.	EE 301	Control Systems	2.5-0.5-0-3	SD							C					
38.	EE 301P	Control Systems Laboratory	0-0-2-1	SD		E	E	E	E	E	C	E				
39.	EE 303	Power Systems	3-1-0-4	NRT							C					<a href="#">View</a>

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40.	EE 304	Communication Theory	3-0-2-4	SS				E								<a href="#">View</a>
41.	ME 307	Energy Conversion Devices	3-0-0-3	DVP								C				<a href="#">View</a>
42.	ME 309	Theory of Machines	3-1-0-4	VSC								C				<a href="#">View</a>
43.	ME 312P	Design Lab. II	0-0-2-1	Talha, HP								C				
44.	DP 301P	Interactive Socio-Technical Practicum	0-0-8-4	Devika, DPS						E	E	E				<a href="#">View</a>
45.	CS 403	Algorithm Design and Analysis	3-0-2-4	ST						E	E		E	E		<a href="#">View</a>
46.	CS 507	Advanced Computer Architecture	3-0-0-3	BDC	MTech(C)/MS/Ph.D.					E	E		E	E		
47.	CS 508	Introduction to Heterogeneous Computing	2-0-0-2	DVP, Dileep	MS/PhD								E	E		<a href="#">View</a>
48.	CS 522	Distributed Algorithms	3-0-0-3	Astrid	MS/PhD					E			E			<a href="#">View</a>
49.	HS 331	Role of Aesthetics in Design	1-0-4-3	Tripti						E	E	E	E	E	E	<a href="#">View</a>
50.	CS 592	Special Topics in Artificial Intelligence: Constraint Satisfaction Problems	2-0-0-2	DK	MS/PhD					E			E			
51.	CS 660	Data Mining for Decision Making	3-0-1-4	VD	MS/PhD					E	E		E	E		<a href="#">View</a>
52.	CS 671	Deep Learning and Applications	3-0-1-4	AN	MS/PhD					E	E		E	E		
53.	EE 309	Power Electronics	2.5-0.5-0-3	RO							E			E		<a href="#">View</a>
54.	EE 309P	Power Electronics Lab	0-0-2-1	RO							E			E		<a href="#">View</a>
55.	EE 503	Advanced Communication Theory	3-0-0-3	Samar	MS/PhD						E			E		<a href="#">View</a>
56.	EE 504	Switch Mode Power Conversion	3-0-0-3	RO	MS/PhD									E		<a href="#">View</a>



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70.	ME 631	Heat Transfer and Fluid Flow in Energy Systems	3-0-0-3	Pradeep	MS/PhD /Mtech										E	<a href="#">View</a>
71.	ME 635	Manufacturing for Energy Systems	3-0-0-3	SZ	Mtech(E E/ME)M S/PhD											
72.	ME 636	Combustion Technology	3-0-0-3	DVP/PAK	MS/PhD							E			E	<a href="#">View</a>
73.	ME 620	Modelling and Simulations	2-0-2-3	Atul, SRay	MS/PhD MTEch( ME,EE)					E	E	E	E	E	E	
74.	EN 611	Durability Behaviour of Energy Materials	3-0-0-3	JKR	MS/PhD /MTech											<a href="#">View</a>
75.	EM 651	Photovoltaics Material & Fabrication	3-0-0-3	KG	MTechSpecialisation (Elective							E			E	<a href="#">View</a>
76.	EN 612	Structure-Property Correlation in Materials for Energy Applications	2-0-2-3	Rik	MS/PhD/ MTech											<a href="#">View</a>
77.	HS 261	The Indian Constitution	3-0-0-3	MVD						E	E	E	E	E	E	<a href="#">View</a>
78.	HS 381	Indian Society: Structure and Change	3-0-0-3	Surya						E	E	E	E	E	E	<a href="#">View</a>
79.	HS 364	Modern China: A Historical Survey	3-0-0-3	Devika						E	E	E	E	E	E	<a href="#">View</a>
80.	HS 393	Technology and World History:1400 to the present	3-0-0-3	RD						E	E	E	E	E	E	<a href="#">View</a>
81.	HS 510	Entrepreneur Workshop	2-0-0-2	BP						E	E	E	E	E	E	<a href="#">View</a>
82.	BY 504	Metabolic Systems Biology	3-0-0-3	SKM	Mtech-Bio/MSc/Phd/IPhd (E					E	E	E	E	E	E	<a href="#">View</a>

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83.	BY 505	Nano-Biotechnology	3-0-0-3	AJ	Mtech-Bio/MSc/Phd/IPhd(E)					E	E	E	E	E	E	<a href="#">View</a>
84.	BY 514	Analytical Biotechniques	3-0-0-3	AJ	Mtech-Bio(C)/MSc/Phd/IPhd(E)					E	E	E	E	E	E	<a href="#">View</a>
85.	BY 515	Molecular Biotechnology	3-0-0-3	Rajanish	Mtech-Bio(C)/MSc/Phd/IPhd(E)					E	E	E	E	E	E	<a href="#">View</a>
86.	BY 516	Introduction to omics and Systems Analysis	3-0-0-3	TPS	Mtech-Bio/MSc/Phd/IPhd(E)					E	E	E	E	E	E	<a href="#">View</a>
87.	BY 518	Disease Biology	3-0-0-3	AP	Mtech-Bio/MSc/Phd/IPhd(E)					E	E	E	E	E	E	<a href="#">View</a>
88.	BY 519	Protein Sciences in therapeutics	3-0-0-3	RG	Mtech-Bio/MSc/Phd/IPhd(E)					E	E	E	E	E	E	<a href="#">View</a>
89.	BY 524P	Medical and Nano-biotechnology lab	0-0-2-1	AP/PM/Rajanish/AJ	Mtech-Bio(E)											<a href="#">View</a>
90.	BY 526	IPR and Biosafety	0-0-0-1	PM	Mtech-Bio(C)											<a href="#">View</a>
91.	BY 522P	Analytical and Molecular Biotechnology	0-0-2-1	AJ, Rajanish	Mtech-Bio(C)											<a href="#">View</a>
92.	BY 523P	Systems Biology lab	0-0-2-1	SKM, TPS	Mtech-Bio(E)											<a href="#">View</a>
93.	BY 613	Metagenomics, and Next Generation Sequencing Technologies	3-0-0-3	TPS	Mtech-Bio/MSc/Phd/IPhd(E)					E	E	E	E	E	E	<a href="#">View</a>

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94.	EE 507	Transmission Lines and Microwave Engineering	3-1-0-4	GSR	MS/Phd/Mtech					E	E	E	E	E	E	<a href="#">View</a>
95.	BY 503	Cellular fuel and Cellular Communication	3-0-0-3	PM	Mtech-Bio/MSc/Phd/IPhd(E)					E	E	E	E	E	E	<a href="#">View</a>
96.	MA 522	Partial Differential Equations	3-1-0-4	SA	M.Sc(Maths)					E	E	E	E	E	E	<a href="#">View</a>
97.	MA 523	Numerical Analysis	3-1-0-4	R Ray	M.Sc(Maths)					E	E	E	E	E	E	<a href="#">View</a>
98.	MA 524	Probability and Statistics	3-1-0-4	Sarita	M.Sc(Maths)					E	E	E	E	E	E	<a href="#">View</a>
99.	MA 651	Optimization Techniques	3-0-0-3	MT	M.Sc(Maths)/M S/PhD					E	E	E	E	E	E	<a href="#">View</a>
100.	CY 502	Photochemistry & Pericyclic Reactions	4-0-0-4	SG	MSc Chem (C)											<a href="#">View</a>
101.	CY 507	Chemistry of Main Group Elements	4-0-0-4	PCP	MSc Chem (C)											<a href="#">View</a>
102.	CY 504	Heterocyclic Chemistry	2-0-0-2	AD	MSc Chem (C)											<a href="#">View</a>
103.	CY 511	Group Theory & Spectroscopy	3-0-0-3	CKN	MSc Chem (C)											<a href="#">View</a>
104.	CY 501P	Organic Chemistry Laboratory	0-0-4-4	AH, Rik	MSc Chem (C)											<a href="#">View</a>
105.	CY 553	Organic Inorganic Spectroscopy	3-0-0-3	AD, AH	MSc Chem (E)											<a href="#">View</a>
106.	CY 513	Reaction Dynamics, Kinetics and Catalysis	3-0-0-3	AC	MSc Chem(C)											<a href="#">View</a>
107.	DP 505P	Main Project	0-0-9-9	PFS	MSc Chem(C)											<a href="#">View</a>
108.	DP 502P	Design Practicum II	0-0-2-2	CKN	MSc Chem(C)											<a href="#">View</a>
109.	PH 521	Electromagnetic Theory	4-0-0-4	Samar	I PhD(C)					E	E	E	E	E	E	<a href="#">View</a>
110.	PH 522	Statistical Mechanics	4-0-0-4	SP	I PhD(C)					E	E	E	E	E	E	<a href="#">View</a>

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111.	PH 523	Condensed Matter Physics	3-0-0-3	BR	I PhD(C)					E	E	E	E	E	E	<a href="#">View</a>
112.	PH 524	Atomic and Molecular Physics	3-0-0-3	HV	I PhD(C)					E	E	E	E	E	E	<a href="#">View</a>
113.	PH 525P	Electronics Laboratory Practicum	0-0-5-3	CSY	I PhD(C)											<a href="#">View</a>
114.	PH 526	Research Project III	0-0-6-3	I-Ph.D.CIG	I PhD(C)											<a href="#">View</a>
115.	PH 621	Computational Methods for Physicists	3-1-0-4	PP	I PhD(C)											<a href="#">View</a>
116.	PH 622	Mini Thesis II	0-0-6-3	HV(coordinator)	I PhD(C)											<a href="#">View</a>
117.	PH 603	Advanced Condensed Matter Physics	3-0-0-3	PK	I PhD(E)					E	E	E	E	E	E	<a href="#">View</a>
118.	HS 608	Modern Western Social Thought	3-0-0-3	Surya	PhD											<a href="#">View</a>
119.	HS 650	Statistical Methods	3-0-0-3	SDG	PhD											<a href="#">View</a>
120.	HS 235	Introductory Econometrics	3-0-0-3	SDG						E	E	E	E	E	E	<a href="#">View</a>
121.	ME 626	Acoustics	3-0-0-3	AG	MS/PhD					E	E				E	<a href="#">View</a>
122.	RM 600	Research Methodology	1-0-0-1	JKR	Mtech-Bio(C)/M Sc/Phd/I Phd(C)											<a href="#">View</a>
123.	EE 593	Power Electronics Solutions for Utility Application	3-0-0-3	KNS (Visiting Faculty) <b>BSR(LC)</b>	MS/PhD						E			E		<a href="#">View</a>



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124.	ME 591	Selected Topics in Turbulence Modeling	1-0-0-1	V. Eswaran Pradeep(LC)												<a href="#">View</a>
125.	ME 591	Selected topics in Photovoltaic	1-0-0-1	Anand Kulkarni RV(LC)	Mtech/MS/PhD					E	E	E	E	E	E	<a href="#">View</a>
126.	EE 591	Selected Topics in HVDC Power Transmission	1-0-0-1	KNS (Visiting Faculty) BSR(LC)	MS/PhD						E			E		<a href="#">View</a>
127.	CS 591	Selected Topics in Networks related to Quality of Experience	1-0-0-1	Markus VD(LC)	MS/PhD								E	E		<a href="#">View</a>
128.	HS 591	Selected Topics in Sustainability: Sustainability, Society and Technology	1-0-0-1	Yael Valerie PerezVD(LC)						E	E	E	E	E	E	<a href="#">View</a>
129.	HS 591	Selected Topics in Business Communication for Engineers	1-0-0-1	N Bringi Dev Puran (LC)						E	E	E	E	E	E	<a href="#">View</a>
130.	CS 592	Special Topics in Algorithms	0-0-4-2	N Kamarkar		E	E	E	E	E	E	E	E	E	E	<a href="#">View</a>
131.	CY 554	Science and Technology of Nanomaterials	3-0-0-3	PFS	M.Sc/M.Tech (E)											<a href="#">View</a>
132.	MA 605	Statistical Data Analysis	2-1-0-3	MM	M.Sc.(E)											<a href="#">View</a>
133.	DP 402P	Major Technical Project	5-0-0-5										E	E	E	

### Abbreviations

AD – AbhimanewDhir  
 AB – Arnav Bhavsar  
 AC – Aniruddha Chakraborty  
 AH – Aditi Halder  
 AG – Arpan Gupta

KG – Kunal Ghosh  
 KM – Kaustav Mukherjee  
 KS - Kaustav Sarkar  
 KNS – K.N.Srivastava  
 MM – Muslim Malik

SP – Sudhir Pandey  
 SA – Syed Abbas  
 Samar – Samar Agnihotri  
 Sarita – Sarita Azad  
 SD – Subashish Dutta

AJ - Amit Jaiswal  
AP – Amit Prasad  
Ankush – Ankush Bag  
Ajay – Ajay Soni  
AKS – Anil Kumar Sao  
AKM – Ashok Kumar M  
Aruna – ArunaBommareddi  
AN – Aditya Nigam  
AP - Amit Prasad  
Arti – ArtiKashyap  
Astrid – Astrid Khien  
Atul-AtulDhar  
BDC – B. D. Chaudhary  
BJ – Bhakti Joshi  
BP – Bhavender Paul  
BR – BinduRadhamany  
BS – B. Subramanian  
BSR – Bharat Singh Rajpurohit  
CKN – Chayan K Nandi  
CSY – Chandra Shekhar Yadav  
Devika - DevikaSethi  
Dileep – Dileep A. D  
DPS - Dericks Praise Shukla  
DK – Deepak Khemani  
DS - Deepak Swami  
DVP - Dhiraj V. Patil  
GB - Gaurav Bhutani  
GS –GokulSomasekharan  
GSR – GopiSrikant Reddy  
HP – Himanshu Pathak  
H S – Hitesh Shrimali  
HV – Hari Varma  
JKR – Jaspreet Kaur Randhawa

MT – Manoj Thakur  
MVD – Manu V Devadevan  
NK – NituKumari  
NRT – Narsa Reddy Tummuru  
PAK – P Anil Kishan  
PCP – Pradeep C Parameswaran  
PFS – Prem Felix Siril  
PJ – Prasanth Jose  
PK - Pradeep Kumar  
PM - ProsenjitMondal  
Powar - S Powar  
PP – Pradyumna Pathak  
PR – PadmanabhanRajan  
Pradeep – Pradeep Kumar (SE)  
Puran – Puran Singh  
Rajanish - RajanishGiri  
Ramna - Ramna  
RD - RajeshwariDutt  
RMR – Renu M Rameshan  
RG - Rajesh Ghosh  
Rik – Rik Rani Ghosh  
RK – Rajeev Kumar  
RO – Ramesh Oruganti  
R Ray – Rajendra Ray  
RS - Rajneesh Sharma  
Rahul – Rahul Shreshta  
RV – Rahul Vaish

SDG – ShyamasreeDasgupta  
SG – Subrata Ghosh  
Shail – Shail Shankar  
Spatra - Shantanu Patra  
SK – SriramKailasam  
SKM - Shyam K Masakapalli  
S Ray – Subrata Ray  
SKP – Suman Kalyan Pal  
SKS – Satinder Kumar Sharma  
SRC – Subhajit Roy Chowdhury  
SS – Siddhartha Sarma  
ST – SatyajitThakor  
Suman – Suman  
SZ –Sunny Zafar  
Surya - Surya Prakash  
TAG – Timothy A Gonsalves  
Talha – Mohammad Talha  
TPS - Tulika P Srivastava  
Tripti - Tripti Singh  
TJ – Tushar Jain  
VB – ViswanathBalakrishnan  
VD – Varun Dutt  
VKN- Venkata Krishnan  
VSC – Vishal Singh Chauhan  
VUK - VenkataUday Kala

**Dr. Yael Valerie Perez (Visiting Faculty)**

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