

## Open Electives for VI semester Autonomous batch (2017-18)

Students have to register for the Electives in the departments offering the electives. For details regarding Electives can visit the department website.

<b>Department: Civil Engineering</b>				
S.No.	Open Elective Title	Pre-requisites for the course	No. of divisions offered	Permitted for the students of following departments only
01	Numerical Methods	Engineering Mechanics, Strength of materials, and Structural Analysis I,	<b>One Division Only</b> (Max 60 students)	Civil, Mechanical and Industrial Production
02	Optimization Techniques	Engineering Mathematics	<b>One Division Only</b> (Max 60 students)	Open to all Departments
03	Environmental Impact Assessment	Environmental Studies	<b>One Division Only</b> (Max 60 students)	Open to all Departments
04	Remote Sensing and GIS	Basic Elements of Civil Engineering	<b>One Division Only</b> (Max 60 students)	Open to all Departments
<b>Department: Mechanical Engineering</b>				
S.No.	Open Elective Title	Pre-requisites for the course	No. of divisions offered	Permitted for the students of following departments only
01	Engineering Economics	-	2	Open to all Departments
02	Automotive Engineering-Basics and Current Trends	-	3 (Teaching Departments-Mech, E&C and CSE)	Open to all Departments
03	Industrial Engineering and Ergonomics	-	1	Open to all Departments except IP
04	Supply Chain Management	-	1	Open to all Departments
05	Human Resource Management	-	1	Open to all Departments
06	Total Quality Management	-	2	Open to all Departments
07	Introduction To Toyota Production System	-	1	Mech., IP
<b>Department: Electrical and Electronics Engineering</b>				
S.No.	Open Elective Title	Pre-requisites for the course	No. of divisions offered	Permitted for the students of following departments only
01	Optimization Techniques	Engineering Mathematics		E&C, Mechanical, Civil, IP
02	Illumination Engineering	Engineering Physics, Basic Electrical Engineering		E&C, Mechanical, Civil, IP
03	PLC and Industrial Automation.	Logic Design, Programming Concepts		E&C, Mechanical, Civil, IP
04	Energy Conservation	Electric Power systems, Engineering Physics		E&C, Mechanical, Civil, IP

Department: <b>Electronics and Communication Engineering</b>				
S.No.	Open Elective Title	Pre-requisites for the course	No. of divisions offered	Permitted for the students of following departments only
01	Requirements Engineering	NIL	01	All branches
02	Consumer Electronics	Basic Eln (15ELN15/25) Elements of Electrical Engg. (15ELE13/23)	01	All branches
03	Heterogeneous Computing	Basic Programming language	01	E&C, E&E, CSE & ISE
04	Machine Learning	NIL	01	E&E, CSE & ISE, Mech, IP, Civil

Department: <b>Computer Science &amp; Engineering</b>				
S.No.	Open Elective Title	Pre-requisites for the course	No. of divisions offered	Permitted for the students of following departments only
01	Python Programming	Computer Concepts and C Programming	3	CSE/ISE/ EE/EC/CV/ME/IP
02	System Software	Assembly programming	1	CSE / ISE/ EE/ EC/CV/ME/IP
03	Object Oriented Programming with Java	C Programming Concepts	1	EE / EC / ME / CV/IP
04	Data Structures	Basic computer concepts & C programming.	1	EE / EC / ME / CV/IP
05	Data Base Management System	Basic Programming Knowledge	1	EE/EC/CV/ME/IP

Department: <b>Information Science &amp; Engineering</b>				
S.No.	Open Elective Title	Pre-requisites for the course	No. of divisions offered	Permitted for the students of following departments only
		Nil		
01	Web Applications Design And Programming	Nil	1	EE/EC/CV/ME/IP
02	Software Engineering Practices	Nil	1	EE/EC/CV/ME/IP
03	Bio Informatics	Nil	1	Open to all branches
04	Basics of Networking	Nil	1	EE/EC/CV/ME/IP

Department: <b>PHYSICS</b>				
S.No.	Open Elective Title	Pre-requisites for the course	No. of divisions offered	Permitted for the students of following departments only
01	Physics of Materials and Devices	Basic knowledge of Physics	01 (60- Students)	Open for all branches

Department: <b>CHEMISTRY</b>				
S.No.	Open Elective Title	Pre-requisites for the course	No. of divisions offered	Permitted for the students of following departments only
01	Nanoscience and Nanotechnology	NIL	01	All departments

