Course Outcomes

Course Outcomes of I Year B. E. Computer Science and Engineering

Course Code	Course Title Course Outcomes	
		1. To impart the knowledge of engineering application of chemistry.
		To provide the knowledge of water treatment & analysis.
		2. To make students familiar with the concept of fuel & combustion
		& testing methods.
DE 101	Engineering	3. To impart the basic knowledge of lubricants, properties & testing
BE-101	Chemistry	methods. To provide the knowledge to students classification,
		Manufacturing process & applications
		4. To introduce the students with general types, classification & applications of polymers.
		5. To get acquaintance of students with the use of instrumental
		techniques in chemical analysis.
		1. Students are able to understand basic principles of Differentiation
		calculus in engineering problems
		2. Students are able to understand basic principles of Integral
	Engineering Mathematics-	calculus.
BE 102		3. Students are able to apply concepts of Differential Equations in
BE-102	I I	Mathematical Modeling of engineering problems.
	1	4. Students are able to understand the role of Linear Algebra,
		Matrices and its applications in engineering.
		5. Students are able to apply the concepts of Logics, Boolean
		algebra and Fuzzy logic in engineering problems.
		1. Ability to gain proficiency in language &skills of communication.
		2. Learn application of linguistic ability in daily life.
	Communicati on Skills	3. Students able to communicate one's point of view with clarity in
BE-103		formal and informal situations in both written and verbal format.
22 100		4. Be able to express themselves clearly and appropriately in social
		and professional fields and strengthen professional etiquette.
		5. Ability to develop awareness in writing paragraphs, reports,
		formal and informal letters
		1.Student will be able to understand the fundamentals of DC and AC
		circuit analysis.
	Basic	2. Student will be able to understand about the fundamental of
BE-104	Electrical &	magnetic circuits and the construction, principle, working,
	Electronics	calculation of different parameters and tests on transformer.
	Engineering	3. Student will understand the construction & principle of A.C. &

		D.C. machine.		
		4. Student will be able to understand about number system, logic		
		gates, flip-flop and adders.		
		5. Student will be able to understand about basics of semiconductors		
		and different types of electronic components and circuits.		
		1. Understand the purpose of engineering graphics and technology &		
		Identify and use appropriate drawing instruments and equipments.		
		2.Know about the types of scales used to produce engineering		
		drawings		
DE 105	Enginagring	3. Understand basic concepts related to geometrical shape		
DE-103	Craphics	applications in geometrical constructions (ellipse, parabola, etc).		
	Graphics	4. Understand the principles of first and third angle projection and		
		use of this principle in drawing.		
		5. Draw two-dimensional view and three-dimensional view of		
		engineering components & use of drawing software's.		
		1. To know and strictly adhere to the rules and safety regulations for		
		workshop in the mechanical workshop.		
DE 106	Weakshee	2. Get ability to properly operate the basic Marking, Measuring and		
BE-100	Workshop	Cutting tools		
	Practice	3. Ability to perform work on carpentry , smithy, welding and forging		
		4. Ability to select proper tools and cutting process for a given		
l n		material.		
		1. Knowledge about Quantum physics and applications of		
	Engineering Physics	Schrödinger wave equation.		
		2. Knowledge of Interference, diffraction and polarization of light.		
		3. Ability to understand nuclear model and different particle		
BE-201		accelerators.		
		4. Knowledge of semi-conductor physics and its application in		
		electronics.		
		5.Knowledge of lasers, fiber optics in field of communications		
		1.Identifies and relates their importance about renewable and non-		
		renewable resources		
	Energy,	2. Knowledge about types of pollution and pollutants.		
DE 202	Environment,	3. Having knowledge about society and development of human		
BE-202	Ecology &	values.		
	Society	4. To work on principle of recycle, reuse and reduce.		
		5. Able to know about EIA, various acts and codes related to		
		environmental issue.		
		1. Understanding various engineering materials based on their		
		composition, properties and uses of engineering materials with		
DE 202	Basic Mech.	concepts of their formation and testing.		
BE-203	Engineering	2. Understand the theoretical and practical concepts behind working		
	-	of measuring Instruments and their application with understanding		
		of various types of machining operations.		

		3. Understanding of fluid properties, fluid behavior in rest and
		motion and different types of hydraulic machines
		4. Understating of basic concepts and laws of thermodynamics,
		Steam properties and application of steam in boilers and steam
		engine and various refrigeration system.
		5. Understanding the working of heat engines and Concept of air
		standard cycles and their application in current automobile industry
		1. To learn types of building materials, their applications in
		construction.
		2. Knowledge about Surveying and Positioning, and their
	Basic Civil	applications.
BE-204	Engg. &	3. To learn mapping and sensing and must be able to apply
	Engg.	practically.
	Mechanics	4. To understand the concept of resolution of forces.
		5. To understand concept of equilibrium, moment and centre of
		gravity.
		1. Students will able to understand the basics of Computer and
		Operating System.
		2. Students will know the fundamental of algorithm: flow-chart
	Basic Computer Engineering	formation, description of Procedure Oriented Programming and
		Object Oriented programming with C++ introduction.
		3. Students will able to implement the concepts of Object
BE-205		Oriented Programming
		4. Students will able to learn the fundamentals of Computer
		Networks and Security fundamentals. They can also aware about
		Cyber Laws
		5. Students will get the Knowledge of DBMS and also the basics of
		Cloud Computing.
		1. Able to introduce oneself and family and work on Non verbal
		Communication
		2 Learn to work on oral skills like conversational practices
		extempore and role play
BE206	Language Lab	3 Able to comprehend the paragraphs and improve reading skill
DE200	Language Lab & Seminars	4 Learn to translate the common words and sentences from English
		to Hindi and vice versa.
		5.Learn the oral presentation techniques(planning preparation
		practice and presenting)
BE206		 3. Able to comprehend the paragraphs and improve reading skill. 4. Learn to translate the common words and sentences from English to Hindi and vice versa. 5.Learn the oral presentation techniques(planning preparation practice and presenting)

Course Code	Course Title	Course Outcomes
		1. Students are able to understand the role of Fourier series and Fourier transform and its applications in engineering.
		2. Students are able to apply concepts of Laplace transform in engineering problems.
BE -301	Mathematics II	3. Students are able to understand basic principles of solution of differential equations.
		4. Students are able to understand basic principles of solution of partial differential equations.
		5.Students are able to understand the role of Vector calculus and its applications in engineering.
		1. Students are able to understand set theory, relation Function, mathematics induction Techniques.
		2. Students are able to understand group and ring theory.
CS-302	Discrete Structure	3. Students are able to understand Propositional Logic and finite automata.
		4. Students are able to understand about the various types of graphs.
		5. Students are able to understand lattice, recurrence and recursive
		algorithm.
		1. Student is able to understand the Number system, arithmetic
		operation & minimize any complex Boolean function.
	Digital Circuit & System	2. Student is able to understand the logic gates & combinational circuits.
CS-303		3. Student is able to understand the Function of different types of Logic families such as RTL, DTL TTL, multivibrator. Clock
		generating circuits & flip-flops
		4. Student is able to understand the different types of semiconductor
		memories& combinational Circuits, counters & Registers.
		Digital & Digital to Analog Converters.
CS -304		1. Students should learn about basic concept of Semiconductor
	Electronic Devices and Circuit	device, Transistors BJT, FET, MOSFET & types of amplifier.
		2. Students should understand concepts of feedback amplifier, oscillators & Power amplifiers.
		3. Students get knowledge about process Multivibrators, cliper &
		clamper, calculation of differential & Cascade and cascode amplifier.
		4. Students should understand Operational amplifier characteristics &
		555 timer.
		5. Students get knowledge about Regulated power supplies.

	Data Structures	1. Students are able to understand basic concepts of algorithm, Array and recursion.
CS-305		2. Students are able to understand implementation of stack, Queue and link list.
		3. Students are able to understand about the different types of tree their real application.
		4. Students learns about the different sorting techniques their comparison & effectiveness.
		5. Students learn about the graph, tree, types, operations & real time examples.
		1. Students are able to understand about the basic fundamental of Java & their use in programming.
		2.Student are able to understand about Data Structures like queue,
		stack, tree, link list, about Collection & their Algorithm like interface,
	Computer	list, Algorithm of sorting, binary search, max and min.
	programming(Java	3. Students are able to understand about Multithreading and their
CS-306	Technologies)	application, Networking & Database like SQL, MySQL, and Oracle.
		4. Students are able to understand about the Servlets, Applets, Jas and
		their use in programming.
		5. Students are able to understand about Advance Web/Internet
		Programming like J2ME, J2EE, and EJB.
	Self Study	1. Objective of Self Study is to induce the student to explore things.
		2. To make them able to read technical aspects of his area of interest.
CS-307		3. To make students independent.
		4. To make students able so that they can materialize things learned in
		classes.
		1. Objective of GD and seminar is to improve the mass
		communication.
CC 200	Seminar/Group Discussion	2. It is to give student an opportunity to exercise their rights to
CS-308		Express them.
		3. To enhance understanding skills of students.
		4. To improve convincing power of students.
		1. Students are able to understand the role of Functions of Complex
		variables and its applications in engineering.
00.401		2. Students are able to understand basic principles of numerical
		solution of equations.
		3. Students are able to apply concepts of Numerical analysis,
CS-401	Mathematics-III	Interpolation and extrapolation in engineering problems.
		4. Students are able to understand basic principles of Numerical
		solution of ordinary differential equations and Statistics.
		5. Students are able to apply the concepts of probability and testing of
		hypothesis methods in engineering problems.

		1. Student will be able to understand Basics of computer
		organization.
		2. Ability to understand CPU and ALU organization.
	Commenter Constant	3. Student understands data transfer mechanism in 8085
CS-402	Computer System	microprocessor and input output organization of computer.
	Organization	4. Ability to understand memory organization and all typed of
		memory in computer system.
		5. Ability to study pipeline and vector processing and instruction and
		arithmetic pipelines.
		1. Students should learn about the basic fundamental of object
		oriented programming and their features.
		2. Students should understand the various relationships between
		classes.
CC 402		3. Students get knowledge about some most useful concept of OOPs
CS-403	Object Oriented	like Inheritance and Polymorphism.
	Technology	4. Students should learn about the concept of container class and
		various object oriented programming languages.
		5. Students should get knowledge of C++/JAVA as object oriented
		programming language.
		1.Students are able to do analysis of algorithms and able to find out
		the complexity of
		any algorithms
	A 1 ° 0	2. Students know the Greedy strategy technique and able to solve the
CC 404	Analysis &	related problems.
CS-404	Design of	3.Students know the concept of dynamic programming and solve
	Algorithms	problems using the strategy
		4. To learn about the Backtracking concept and its examples.
		5. Students are able to create different types of tree and understand
		operations on tree.
		1. To understand the principles of analog and digital communications
		and able to do the analysis of all types of signals in time domain as
		well as in frequency domain.
		2. To understand the working principle of analog modulation
		techniques (AM, FM, PM), Bandwidth comparisons of modulation
		techniques and need of modulation.
		3. To understand Sampling Theorem, Analog to Digital Conversion
CS-405	Analog & Digital Communication	Techniques (PAM, PCM, DM, ADM) and Time division,
		multiplexing (TDM).
		4.Learning of Digital modulations techniques, Generation, detection,
		equation and Bandwidth of amplitude shift keying (ASK) Binary
		Phase Shift keying (BPSK), Differential phase shift keying (DPSK)
		etc.
		5. To understand the concept of information theory and various
		coding schemes like Shannon's Hartley, Shannon-Fanon, and Linear

		block code, cyclic code, convolution code and different types of line	
CS-406	Computer programming- IV(.Net Technologies)	 Students are able to understand the .NET framework, its features, architecture and its components. To learn about C# programming language, its basic features, and apply various concepts of OOPs in C#. To learn ASP.NET, its features and how to develop web form in ASP.NET. And also to learn HTML, how to write a code in HTML. 	
		 and what are its controls. 4. To learn about the ADO.NET, the feature, controls and code to connect database with front end using ODBC, OLEDB, and SQL. 5. To learn XML, how java scripts used in web parts and what are the web services. 	
CS-407	Self Study	 Objective of Self Study is to induce the student to explore things. To make them able to read technical aspects of his area of interest. 	
		3. To make students independent.4. To make students able so that they can materialize things learned in classes.	
CS-408		1. Objective of GD and seminar is to improve the mass communication.	
	Seminar/Group Discussion	2. It is to give student an opportunity to exercise their rights to Express them.	
		3. To enhance understanding skills of students.4. To improve convincing power of students.	

Course Outcomes of III Year B. E. Computer Science and Engineering

Course Code	Course Title	Course Outcomes
CS-501	Data Communication	 Introduction of data communication fundamentals, data compression techniques & review of transmission methods. Students will learn the concepts of multiplexing techniques, spread spectrum and switching techniques. Students will be able to understand the details of physical layer like modem, connecting devices &
		topologies.4. Students will learn the concepts of varioustransmission media & telephone network.
		5. To understand various transmission error & error detection & correction techniques.
CS-502	Operating System	1. Students should learn about basic concept of operating

		system, evolution and types of operating system and
		differences among them.
		2. Students should understand concepts of file
		management, file system and device driver.
		3. Students get knowledge about process scheduling,
		interprocess communication and deadlock.
		4. Students should understand memory management
		mechanism with paging and segmentation.
		5.Students get knowledge about distributed operating
		system and security mechanism in operating system
		1. Students get basic knowledge of Database concepts,
		architecture and models.
		2.Student learns Sql query and various Relation algebra
		operation
CS-503	Data Base Management	3. Students understand concepts of Normalization and
	System	Query optimization technique.
		4. Student learns Transaction processing concepts and
		recovery from transaction failures.
		5. Students Study the DBMS through Oracle/Mysql
		/Postgres.
		1. Student are able to understand concept of computer
	Computer Graphics & Multimedia	graphics, Display Devices, Graphics Premitives and Line
		& Circle Drawing Algorithms.
		2. Student get knowledge about 2D transformation,
		World & View Coordinate System and Clipping
CS- 504		Algorithms .
		3. Student are able to learn 3D transformation, Hidden
		surface elimination algorithm, Back face detection
		algorithm and different Color Models.
		4. Student are able to understand concept of Multimedia,
		Text, Audio & Video file formats and components.
		5. Student are able to learn Animation Concept, File
		formats, softwares and Compression Techniques
		1. Students are able to understand basic concept finite
CS-505		automata and then capaointies.
		2. Students learn context-free languages and its Normal
	Theory of Computation	
		3. Students know the pushdown automata concept & why
		It used in computation.
		4. Students are able to understand basic concept of
		I UTITING Machine.
		5. Students are able to understand P, NP hard and NP
		Complete problems.

		1. Students are able to understand Basics Unix/Linux
		Univ (Linux and concerts of shall programming Students
		Unix/Linux and concepts of shell programming. Students
		can understand reatures of Linux/Onix Operating
		System.
		2. Students will get knowledge of the architecture of
		Unix/Linux and virtual File System.
CS506	Computer Programming	3. Students are able to understand Scheduling Priorities
CD500	V (Unix/Linux Lab.)	and Change the Phonty of a time-sharing process.
		4. Students know about File Access Commands of about
		Access Control List (ACLS), Setting ACL Entries,
		modifying ACL entries on a file, Deleting ACL entries
		5 Students are able understand DHCP and it's working
		s.students are able understand DTCF and it's working,
		configuration etc.
		1. Objective of Self Study is to induce the student to
		explore things.
	Calf Ctudy	2. To make them able to read technical aspects of his
CS507	Sell Study	area of interest.
		3. To make students independent.
		4. To make students able so that they can materialize
		things learned in classes.
		1. Objective of GD and seminar is to improve the mass
	Seminar/Group Discussion	communication.
		2. It is to give student an opportunity to exercise their
CS508		rights to
C3300		Express them.
		3. To enhance understanding skills of students.
		4. To improve convincing power of students.
		1. Students can understand basic definition and
		difference between Microprocessor and microcontroller,
CS-601		their history and evolution and their applications.
		2. Students are able to understand basic concepts of 8085
		Microprocessor Architecture and its programming.
	Micro Processor and	3. Students are able to understand the basic concepts and
		principles of 8086 Microprocessor Architecture with pin
	interfacing	diagram and description of each pin and get the in-depth
		knowledge of Multiprocessor Systems and programming.
		4. Students get the basic Knowledge of microprocessor
		interfacing with different devices like 8279, 8253, 8255,
		8257, 8259, 8251, etc and different buses.
		5. Students are able to get basic Knowledge of

		microcontroller 8051 with external memory interfacing.
		1. Students are able to understand about basics concept
		of language like evaluation Criteria influences of
		language design and compilation process of different
		object oriented language and BNF grammar.
		2. Students are able to understand about data types and
		its design issues, type casting of different programming
		language with their control structure and sequence
		statements.
		3. Students get details about subprogram structure,
CS-602	Principles Of	parameter passing techniques, generic subprograms and
	Programming Languages	overloading of sub programs.
		4. Students learn about data abstraction, storage
		management and garbage collection of different
		programming language and different type of OOP
		languages and concepts of concurrency.
		5. About exception handling of different object oriented
		programming language, fundamentals of logic and
		functional programming, basics of prolog and
		introduction of 4GLS.
		1.Student learn about the software product and various
		software process models
		2.Student learn about the requirement analysis techniques
		and use case modeling
CS-603	Software Engineering &	3.Student get to know about software design concepts &
	Project managements	principles and use case modeling
		4.Student get to know about the different software testing
		techniques
		5.Students learn about the software maintenance &
		software project management
		1. Students will be able to understand the core concepts
	Computer Networking	of OSI, TCP/IP Models & queuing theory.
		2.Students will be able to understand the concepts of
		various data link layer protocols with protocol
CS-604		verification models like finite state machines & pertinent.
		3.Students learn various contention schemes, collision
		free protocols & IEEE standards of MAC layer
		4.To understand the concepts of various types of routing
		protocols & IP protocol in details
		5.To understand various transport, session, presentation
		& application layer protocol like UDP,TCP,H.245,X.25
		,HTTP,FTP ,DNS,SMTP,SNMP etc.
CS-605	Advance Compute	1. Students are able to understand about the architecture
	Architecture(ACA)	and designing of Computer System.

		2. Students are able to understand about the architecture
		and designing of Computer System.
		3. Students are able to collect the information About how
		to execute any instruction in Pipelined system and
		knowledge about various recent super pipeline
		processors.
		4. Student are able to understand about Cache
		maintenance, Message routing schemes, deadlock and
		virtual channel, SIMD model, Vector processing and
		Multithreading.
		5. Students are able to understand about various Parallel
		programming models, features for parallelism, s/w tools
		and environments.
		1. Students are able to understand basic concept of
		software engineering and ability to apply this concept in
		their projects and also know the programming language
		which they are using.
CS-606	Minor Project – I	2. Students are able to understand basic UML diagram
		for designing purpose.
		3. Students are able to understand Software development
		life cycle to develop the project.
		1. Objective of Self Study is to induce the student to
		explore things.
00 (07	Self Study	2. To make them able to read technical aspects of his
CS-607		area of interest.
		3. To make students independent.
		4. To make students able so that they can materialize
		things learned in classes.
		1. Objective of GD and seminar is to improve the mass
CS-608		communication.
	Seminar/Group Discussion	2. It is to give student an opportunity to exercise their
		rights to
		Express them.
		3. To enhance understanding skills of students.
		4. To improve convincing power of students.

Course Code	Course Title	Course Outcomes
CS-701	Complier Design	 Students are able to understand overview of phase of compiler and Lexical analysis. Students are able to understand various parsing technique and syntax direct translation. Students are able to understand type checking and Run
		 time environment. 4. Students are able to understand different intermediate code generation techniques. 5. Students are able to understand various code
		optimization techniques.
CS-702	Distributed Systems	1. Students will be able to understand the architecture of distributed system, Distributed computing models and Issues in designing Distributed System.
		2. Students will be able to learn about distributed shared
		3. Students learn about API. Implementation of RPC
		Mechanism, IPC and Election algorithms.
		4. Students are able to understand about basics of distributed Scheduling, load distribution algorithms and dead lock handling strategies
		5. Students will be able to learn about Distributed Data
		Base Management System and Distributed Multimedia systems.
		1. Students are able to understand Cloud Computing, It's history and applications.
		2. Students are able to understand architecture of cloud, present solutions, and Offerings.
CS-703	Cloud Computing	3. Students are able to understand various virtualization technologies, and procedure of Cloud Management.
		 4.Students will get knowledge of cloud security fundamentals, management of Virtualization security and etc 5. Students became able to familiar with available cloud
		solutions in market and their management.
CS-704	Information Storage and Management	1. Students are able to understand the different storage technology available, and importance of data or information over a period of time.
		RAID levels and understand the structure of Physical

		Disk
		3. Students are able to understand different networking storage technologies and how to protect and save fixed data. They will able to know various standards, connectivity of Storages.
		4. Students became able to familiar with the principles virtualization, backup, recovery etc.
		5. Students became able to familiar with Cloud Computing concepts and security related issues in cloud.
		1. Students master the information security governance, and related legal and regulatory issues.
	Network & Web Security	2. Students get fundamentals of secret and public cryptography
CS-7101		3.Students get exposed to the research in network security and understand the algorithm and Hash Functions etc.
		4.Student gets familiar with information security awareness and a clear understanding of its importance, also get the knowledge about Virus, Worms etc.
		5.Students are able to understand the steps of Forensic Investigation, Hacking, and Classes of Hacker etc.
		1. Student's engineering knowledge is enhanced and employment prospects are improved.
CS-705	Industrial Training* (Two Weeks)	 To learn as much as possible from real life experiences by interacting with industry staff. Industrial training of the students is essential to bridge the wide gap between the classroom and industrial environment.
		4. This will enrich their practical learning and they will be better equipped to integrate the practical experiences with the classroom learning process.
CS-706	Major Project	1. Students analyze software problems and find their solutions.
		 Students study and survey existing software which are already available. Students select suitable software process model for
		4. Students find appropriate engineering tools which are most suitable for implimentation work.
CS-707		1. Objective of Self Study is to induce the student to

	Self Study	explore things.
		2. To make them able to read technical aspects of his area of interest
		3 To make students independent
		4. To make students able so that they can materialize
		4. To make students able so that they can materialize things learned in classes
		1. Objective of CD and seminar is to improve the mass
	Seminar/Group	communication
		2. It is to give student an opportunity to everyise their
CS-708		rights to express them
	Discussion	3 To enhance understanding skills of students
		4. To improve convincing power of students.
		4. To improve convincing power of students.
		1. Students are able to understand basic of soft
		Intelligence
		2. Students are able to understand Neural Network basis
		2. Students are able to understand Neural Network basic
		and various supervised learning algorithm.
CS 201	Soft Computing	5. Students are able to understand Counter propagation
0.5-801	Soft Computing	A Students know shout Evggy logic energing. Evggy
		4. Students know about Fuzzy logic, operations, Fuzzy
		5. Students able to understand about Constin algorithm
		5. Students able to understand about Genetic algorithm,
		rundamentals, basic concepts, working principle,
		encoding, and fitness function, crossover and inutation
		1 Student will get knowledge about basics of Web
		Engineering and web protocols (TCP/ID HTTP FTP)
	Web Engineering	etc.) search strategies. Web server
		2 Student will able to understand Information
		2. Student will able to understand information Architecture for web designing and web security
		Architecture for web designing and web security.
		anguages like HTML CSS lave Serint PHP and CGL
CS-802		anguages like III will, CSS, Java Script, FIIF, and COT
		4. Student gets knowledge about web development
		4. Student gets knowledge about web development
		model of web designing
		5. Student must be able to understand E commerce. Web
		Dublishing and accurity issues of web documents as well
		as electronic payment gateways
		as electronic payment gateways.
		fundamentals of network management like Configuration
		management Fault management Security management
		etc

CS-8201	N/W Management	 2.Students are capable of doing how to configure network, and understand the advanced network management concepts like Remote Monitoring and Desktop Management etc. 3. They understand the fundamentals of network support layers like Physical Layer, Data Link Layer and Network Layer. 4. Students will get the information about various Routing Protocols and their practical implementation. 5. Students learn the concepts of various protocols like ICMP_IGMP_TCP_TELNET_ETP and SMTP
CS-8303	Wireless Network	 Student gets basic knowledge of Wireless Networks. Student gets theoretical knowledge of network planning and Network Operations. They also aware about cellular network functionality Student gets knowledge of different modulation and multiplexing technique. They also aware about mobile data network. Student gets knowledge of different kind of wireless LAN & various IEEE reference architectures. Student gets knowledge of wireless network such as Bluetooth and 2G and 3G networks.
CS-805	Major Project	 Student design and implement software of their proposed work. This project work make student more familiar with computer software. Reduce gap between theory and experiment student enhanced their thinking and programming ability. Student learns for different problems which arise in project development and report work.
CS-806	Self Study	 Objective of Self Study is to induce the student to explore things. To make them able to read technical aspects of his area of interest. To make students independent. To make students able so that they can materialize things learned in classes.
CS-807	Seminar/Group Discussion	 Objective of GD and seminar is to improve the mass communication. It is to give student an opportunity to exercise their rights to Express them. To enhance understanding skills of students.

4. To improve convincing power of students.