

DEPARTMENT OF INFORMATION TECHNOLOGY
CO Attainment 2016-17

CO	Title	Attainment Level	% Attainment
	3rd Sem		
301	3IT01-Mathematics		
301.1	Students are able to solve higher order Diff. Eq.	2.5	83.33
301.2	Students are able to find Laplace Transform of function and how to solve Diff. Eq. using L.T.	2.5	83.33
301.3	Students are able to solve Difference Eq. using Z-transform	2.5	83.33
301.4	Students are able to solve Fourier Transform And how to solve Part.Diff. Eq. using different methods.	2.5	83.33
301.5	Students are able to find the Functions of complex variables, Analytic function and Bilinear, expansion of function in Taylor's	2.5	83.33
301.6	Students are able to find the Curl and Gradient of vector field function and gain the knowledge of relation between Line, Surface & Volume integration.	2.5	83.33
302	3IT02-Program Methodology		
302.1	Understand basic concepts of object oriented programming	2.2	73.33
302.2	To be able to write simple java applications and applet	2.2	73.33
302.3	To understand how to define a class and use the class in application.	2.2	73.33
302.4	To be able to write event driven applets	2.2	73.33
302.5	Understand advance concepts of object oriented programming	1.6	73.33
302.6	To understand different concepts of Stream management	1.6	73.33
303	3IT03-Discrete Structure		
303.1	To study the basic of mathematical logic ,predicate calculus.	3	100
303.2	To study basic concept of set theory	3	100
303.3	Student will be able to understand semi group, grammar,and expression .	3	100
303.4	Student can represent Boolean Function	3	100
303.5	Learn the basic results in number theory, logic and graph theory.	3	100
303.6	Student will be able to learn Finite State Machine	2.4	100
304	3IT04-Electronics Device & Circuits		
304.1	To introduce the students operational principle and analysis of diode in analog circuits with typical applications.	3	100
304.2	To study the operational principle, modes and models	3	100

	of BJT, FET along with its application as an amplifier.		
304.3	Understand basic principle of oscillator and to get familiar of different types of oscillator. Having basic knowledge of circuit simulation software.	3	100
304.4	To introduce the students the basic properties of Op-Amp, analysis and design of electronics circuit using Op-Amp.	2.8	93.33
304.5	To introduce the students operational principle and analysis of diode in analog circuits with typical applications.	2.4	80
304.6	To study the basic principle of timer IC 555, along with its typical application	2.4	80
305	3IT05-Assembly Language Programming		
305.1	To study the concept of 8086 microprocessor	1.4	46.66
305.2	To study the basic concept of 8086 microprocessor instruction	1.4	46.66
305.3	To study and use of 8086 microprocessor logical, flag, loop instruction	1	33.33
305.4	To study the concept of stack, subroutine & micro	1	33.33
305.5	To study the input output instruction and peripheral interface	0.8	26.66
305.6	To study the concept of interrupts and interrupt controller	0.8	26.66
	4th Sem		
401	4IT01-Data Structure		
401.1	Identify, understand and determine fundamentals of data structure, operation on data structure, complexity and various notations for algorithm	2.6	86.66
401.2	Understand and implement array data structure and various operation on array like traversing	2.4	80
401.3	Understand and implement linked list data structure including singly	2.6	86.66
401.4	Understand and implement stack	3	100
401.5	Understand and implement tree data structure	2.4	80
401.6	Understand and implement Graph data structure	2.4	80
402	4IT02-Communication Engineering		
402.1	Understand the basic concept of AM and performance of different types of amplitude modulation signals	1.4	46.66
402.2	Analyze the different characteristics of AM receiver	1.4	46.66
402.3	Understand and analyze the FM and its generation	1.2	40
402.4	Gain the concept of FM receiver.	1.4	46.66
402.5	Understand sampling theorem & pulse modulation techniques	1.4	46.66
402.6	Analysis of signal using different mathematical tools	1.4	46.66
403	4IT03-Object Oriented Technology		

403.1	To understand the difference between object oriented programming and procedural programming.	3	100
403.2	To understand the technique of operator overloading, pointer ,array.	3	100
403.3	To understand the concept of Inheritance .	3	100
403.4	To understand the use of virtual function, friend function ,static function.	3	100
403.5	To understand usage of exception handling, generic programming.	3	100
403.6	To understand the use of various OOPs concepts such as STL ,Iterator with the help of programs	3	100
404	4IT04-Social Sciences & Engineering Economics		
404.1	To study the concept of Social Science	3	100
404.2	To study the basic concept of Indian Parliament	2.8	93.33
404.3	To study and use of Science and Technology on culture and Civilization	3	100
404.4	To study the concept of Nature and scope of Economics	3	100
404.5	To study the Functions of Central and Commercial Banks	3	100
404.6	To study the concept of Economics Development	2.4	80
405	4IT05-numerical Methods & Operation Research Techniques		
405.1	To study the concept of Error Analysis, absolute, relative and percentage errors	2.2	73.33
405.2	To study the basic concept of Linear Systems of Equation	2.2	73.33
405.3	To study and use of Integration and Differential equations	2	66.66
405.4	To study the concept of Operations Research Models and Dynamic Programming	1.6	53.33
405.5	To study the Linear Programming and Sequencing	1.6	53.33
405.6	To study the concept of PERT and CPM TECHNIQUE	2.2	73.33
	5th Sem		
501	5IT01-Operating System		
501.1	To understand basic concepts of Operating System	3	100
501.2	To understand different concepts of Process Management in OS.	3	100
501.3	To understand different concepts of Memory Management in OS.	2.8	93.33
501.4	To understand different concepts of File System in OS.	3	100

501.5	To understand different concepts of I/O System in OS.	2.4	80
501.6	To understand different aspects of Linux system.	2.4	80
502	5IT-02Digital Integrated Circuit		
502.1	To study the characteristics of digital integrated circuit	3	100
502.2	Student will be able to understand K-map method & Tabulation method.	3	100
502.3	To study the analysis procedure for combinational circuit.	3	100
502.4	Student will be able to understand MSI & PLD components.	3	100
502.5	To study the synchronous sequential circuit & flip flop circuit.	2.4	80
502.6	Student will be able to understand the algorithmic state machines, RAM, ASM charts	2.4	80
503	5IT03-Computer Architecture and Organization		
503.1	To study the basic structure of computer, main memory operations and addressing modes.	3	100
503.2	To study the processing unit, micro programmed control and microinstructions prefetching.	2.6	86.66
503.3	Student will be able to understand I/O organization, DMA and different types of buses.	2.4	80
503.4	To study different types of memories , address translation and its management.	2.4	80
503.5	To study arithmetic operations, booths algorithm and floating point numbers.	2.4	80
503.6	Student will be able to understand different computer peripherals with examples.	2.4	80
	6th Sem		
601.	6IT01-Principle of Management		
601.1	Analysis of management process and planning, controlling	3	100
601.2	Understanding the process of organization development	3	100
601.3	Analysis of product development process	2.4	80
601.4	Understanding the maintenance and Quality assurance of product	2.8	86.66
601.5	Provision of marketing management and finance evaluation.	2.4	80
601.6	analysis of project and management information system.	2.4	80
602	6IT02-Data Base Management System		
602.1	Understand basic concepts of database system	3	100
602.2	Design of a database schema using a ER model	3	100

602.3	Understand basic concepts of relational database design	3	100
602.4	To be able to query database using SQL, RE, TRC and DRC	3	100
602.5	To understand different aspects of query processing.	2.4	80
602.6	To understand different concepts of Transaction management.	2.4	80
603	6IT03-Theory of computation		
603.1	To recall & identify different concept of set theory proving techniques & also be able to explain the language classification.	1.6	53.33
603.2	To analyze concept of set theory, convert regular expression to FSA & also able to design finite state machine.	1.8	60
603.3	To optimize the construction of context free grammars & also able to construct pushdown automata.	1.8	60
603.4	To demonstrate the construction of a Turing machine.	1.6	60
603.5	To classify the problems based on their complexity.	2.2	73.33
603.6	To understand the recursive function theory.	2.2	73.33
604	6IT04-Computer Networks		
604.1	To Understand basic concepts of Computer Networks	2.6	86.66
604.2	To Understand different concepts of Data Link Layers	2.4	80
604.3	To Understand different concepts of Medium Access Control Sub layer	2.8	93.33
604.4	To Understand different concepts of Network Layer	3	100
604.5	To Understand different concepts of Transport Layer	2.8	93.33
604.6	To Understand different aspects of Application Layer	3	100
	7th Sem		
701	7IT01-Digital Signal Processing		
701.1	To introduce the student representation of digital signal in time domain along with basic operation performed on signal	3	100
701.2	To understand the different types of system and analysis of system using different techniques or method	3	100
701.3	Analyze digital signal processing systems using Z-transform	2.4	80
701.4	Compute circular convolution and the discrete Fourier transform (DFT) of discrete- time signal	2.8	93.33
701.5	Analyze and implement digital systems using the DFT and the Fast Fourier Transform (FFT).	2.4	80
701.6	Design digital filters using different method.	2.4	80
702	7IT02-Object Oriented Analysis and Design		
702.1	To understand basic concepts of OOAD	3	100
702.2	To understand basic and basic and advance concepts of class , state and interaction model	3	100

702.3	To understand and draw class and state diagram	3	100
702.4	To understand and draw sequence and activity diagram	3	100
702.5	To understand and apply stages of SDLC to a case study	2.4	80
702.6	To understand application analysis	2.4	80
702.7	To understand and apply class design		
703	7IT03-Web Technology		
703.1	Students should Have a Good grounding of Web Application Terminologies and also to understand the concept of Web Essentials, Markup Languages and internate protocols	3	100
703.2	To study and understand the Style Sheets in terms of designing, flow & use in world of web technology.	3	100
703.3	To understand the Client-Side Programing, Host Objects, DOM Event Handling for efficiently use of web.	3	100
703.4	To understand Server-Side Programming and its concepts to provide better results regarding web sites and their applications.	3	100
703.5	To study and understand that how to Represent Web Data, JavaScript, XML,Event Oriented parsing, JSP and server pages needed for Server-Side & Client-Side Programming	3	100
703.6	To understand different Web Services, SOAP, XML Schema.	3	100
704	Real Time Embedded System		
704.1	To understand & analyze the importance of embedded system & its scope	3	100
704.2	To study the important structural units in a processor & use of term context switching, communication techniques	3	100
704.3	To analyze the role of different data structures, embedded programming related to ES	3	100
704.4	To understand & analyze the importance of different modeling process & models & different parameters related to operating system configuration	3	100
704.5	To understand the scope of different parameters of OS & its issues.	2.4	80
704.6	To understand the important role of RTOS & different scheduling mechanism concept	2.4	80
705	7IT05-Multimedia Technology		
705.1	To understand the basic concept of multimedia components, Image data types and Popular file formats.	3	100
705.2	To study the concept of color in image and video.	3	100

705.3	Student will be able to understand the basics of digital audio and Musical instrument digital interface.	2.4	80
705.4	Student will be able to understand the multimedia data compression and lossless image compression.	2.6	86.66
705.5	To understand the concept of basic video compression techniques.	2.4	80
705.6	Student will be able to understand the basic audio compression technique.	2.4	80
	8th Sem		
801	8IT01-Digital and Wireless Communication		
801.1	To understand the fundamentals of digital communication system with various coding effects.	2.4	80
801.2	To understand and implements the error detection and correction techniques.	2.4	80
801.3	To understand the details of spread spectrum modulation with various hopping techniques.	2.4	80
801.4	To understand the cellular telephone concepts with its architecture	2.4	80
801.5	To understand GSM architecture with various multiple accessing techniques.	2.4	80
801.6	To understand the recent trends in WLAN technology with different routing protocol.	2.4	80
802	8IT02-Network Administration & Security		
802.1	To understand & analyze the importance of network security & its goals	3	100
802.2	To study the importance of cryptography & implementation about the different cryptographic algorithms	3	100
802.3	To analyze the role of Kerberos ,PGP & S/MIME in related with network security goals	3	100
802.4	To understand & analyze the importance of IP security & different parameters related to web security considerations	3	100
802.5	To understand the scope of network administration & security	3	100
802.6	To understand the important role of system security, firewall & impact of viruses on system security	3	100
803	8IT03-Software Engineering		
803.1	1. To understand the basic concept of software Engineering with its different types of process & process model.	2.6	86.66
803.2	2. To understand the basic concept of software measurement and software risk with Decomposition	2.4	80

	technique and software project plan.		
803.3	3. To understand the basic concept of project scheduling, software quality and Software Configuration Management.	3	100
803.4	4. To understand the basic concept of System engineering with respect to system modeling.	3	100
803.5	5. To understand different types of architectural and programming styles of software.	3	100
803.6	6. To understand the basic concept of different types of testing.	3	100
804	8IT04-Web Commerce		
804.1	To understand basic concepts of web commerce	3	100
804.2	To understand different concepts of Approach to safe E-commerce.	3	100
804.3	To understand different concepts of Electronic cash and Electronic payment scheme.	3	100
804.4	To understand different concepts of Internet/Intranet security issue and solutions.	3	100
804.5	To understand different concepts of Secure E-mail Technologies.	3	100
804.6	To understand different aspects of Internet and web site Establishment.	3	100

PO Attainment 2016-17

PO	Title	Attainment Level	% Attainment
PO1	Graduate will demonstrate basic knowledge in mathematics, science & IT.	2.4	83.07
PO2	Graduate will demonstrate an ability to identify analyze & solve software engineering problems.	2.5	85.79
PO3	Graduate will demonstrate basic programming capability through procedural, object oriented & assembly language programming	2.5	85.92
PO4	Graduate will demonstrate ability to design & develop software application	2.6	86.66
PO5	Graduate will demonstrate an ability to analyze & work on multidisciplinary software & hardware application.	2.3	79.72
PO6	Graduate should be able to understand and apply concepts of computer & social networking.	2.5	84.64
PO7	Graduate will demonstrate skills to use software & hardware development tools	2.5	83.33
PO8	Graduate will demonstrate the knowledge of	2.4	80.18

	professional, moral & ethical responsibility		
PO9	Graduate will demonstrate the effective verbal and return form of communication	2.7	92.22
PO10	Graduate will be broadly educated & will understand the impact of IT on society	2.3	78.68
PO11	Graduate will understand the importance of self learning & ability for lifelong education.	2.5	84.44
PO12	Graduate who can compete in competitive examination like GATE, CAT, etc.	2.5	83.7

CO Attainment 2015-16

CO	Title	Attainment Level	% Attainment
	3rd Sem		
301	3IT01-Mathematics		
301.1	Students are able to solve higher order Diff. Eq.	0.6	20
301.2	Students are able to find Laplace Transform of function and how to solve Diff. Eq. using L.T.	0.2	6.66
301.3	Students are able to solve Difference Eq. using Z-transform	0.2	6.66
301.4	Students are able to solve Fourier Transform And how to solve Part.Diff. Eq. using different methods.	0.2	6.66
301.5	Students are able to find the Functions of complex variables, Analytic function and Bilinear, expansion of function in Taylor's	0	0
301.6	Students are able to find the Curl and Gradient of vector field function and gain the knowledge of relation between Line, Surface & Volume integration.	0.4	13.33
302	3IT02-Program Methodology		
302.1	Understand basic concepts of object oriented programming	2.2	73.33
302.2	To be able to write simple java applications and applet	2.2	
302.3	To understand how to define a class and use the class in application.	2.2	73.33
302.4	To be able to write event driven applets	2.2	73.33
302.5	Understand advance concepts of object oriented programming	2	66.66
302.6	To understand different concepts of Stream management	2.2	73.33
304	3IT04-Electronics Device & Circuits		
304.1	To introduce the students operational principle and analysis of diode in analog circuits with typical applications.	2.2	73.33

304.2	To study the operational principle, modes and models of BJT, FET along with its application as an amplifier.	2.2	73.33
304.3	Understand basic principle of oscillator and to get familiar of different types of oscillator. Having basic knowledge of circuit simulation software.	2.2	73.33
304.4	To introduce the students the basic properties of Op-Amp, analysis and design of electronics circuit using Op-Amp.	2.2	73.33
304.5	To introduce the students operational principle and analysis of diode in analog circuits with typical applications.	1.6	53.33
304.6	To study the basic principle of timer IC 555, along with its typical application	1.6	53.33
305	3IT05-Assembly Language Programming		
305.1	To study the concept of 8086 microprocessor	2.2	73.33
305.2	To study the basic concept of 8086 microprocessor instruction	2.2	73.33
305.3	To study and use of 8086 microprocessor logical, flag, loop instruction	2.2	73.33
305.4	To study the concept of stack, subroutine & micro	2.2	73.33
305.5	To study the input output instruction and peripheral interface	2	66.66
305.6	To study the concept of interrupts and interrupt controller	2.2	73.33
	4th Sem		
402	4IT02-Communication Engineering		
402.1	Understand the basic concept of AM and performance of different types of amplitude modulation signals	3	100
402.2	Analyze the different characteristics of AM receiver	2.8	93.33
402.3	Understand and analyze the FM and its generation	2.4	80
402.4	Gain the concept of FM receiver.	1.4	46.66
402.5	Understand sampling theorem & pulse modulation techniques	2.8	93.33
402.6	Analysis of signal using different mathematical tools	3	100
403	4IT03-Object Oriented Technology		
403.1	To understand the difference between object oriented programming and procedural programming.	3	100
403.2	To understand the technique of operator overloading, pointer ,array.	3	100
403.3	To understand the concept of Inheritance .	3	100
403.4	To understand the use of virtual function, friend function ,static function.	2.8	93.33
403.5	To understand usage of exception handling, generic programming.	3	100
403.6	To understand the use of various OOPs concepts such	3	100

	as STL ,Iterator with the help of programs		
404	4IT04-Social Sciences & Engineering Economics		
404.1	To study the concept of Social Science	3	100
404.2	To study the basic concept of Indian Parliament	2.8	93.33
404.3	To study and use of Science and Technology on culture and Civilization	3	100
404.4	To study the concept of Nature and scope of Economics	3	100
404.5	To study the Functions of Central and Commercial Banks	3	100
404.6	To study the concept of Economics Development	2.4	80
405	4IT05-numerical Methods & Operation Research Techniques		
405.1	To study the concept of Error Analysis, absolute, relative and percentage errors	3	100
405.2	To study the basic concept of Linear Systems of Equation	3	100
405.3	To study and use of Integration and Differential equations	2.7	90
405.4	To study the concept of Operations Research Models and Dynamic Programming	3	100
405.5	To study the Linear Programming and Sequencing	3	100
405.6	To study the concept of PERT and CPM Technique	3	100
	5th Sem		
501	5IT01-Operating System		
501.1	To understand basic concepts of Operating System	3	100
501.2	To understand different concepts of Process Management in OS.	3	100
501.3	To understand different concepts of Memory Management in OS.	3	100
501.4	To understand different concepts of File System in OS.	2.8	93.33
501.5	To understand different concepts of I/O System in OS.	3	100
501.6	To understand different aspects of Linux system.	3	100
502	5IT-02Digital Integrated Circuit		
502.1	To study the characteristics of digital integrated circuit.	3	100
502.2	Student will be able to understand K-map method & Tabulation method.	2.4	80
502.3	To study the analysis procedure for combinational circuit.	3	100
502.4	Student will be able to understand MSI & PLD components.	2.4	80
502.5	To study the synchronous sequential circuit & flip flop	2.4	80

	circuit.		
502.6	Student will be able to understand the algorithmic state machines, RAM, ASM charts	2.6	86.66
	6th Sem		
602	6IT02-Data Base Management System		
602.1	Understand basic concepts of database system	3	100
602.2	Design of a database schema using a ER model	3	100
602.3	Understand basic concepts of relational database design	3	100
602.4	To be able to query database using SQL, RE, TRC and DRC	2.8	93.33
602.5	To understand different aspects of query processing.	2.4	80
602.6	To understand different concepts of Transaction management.	2.4	80
603	6IT03-Theory of computation		
603.1	To recall & identify different concept of set theory proving techniques & also be able to explain the language classification.	3	100
603.2	To analyze concept of set theory, convert regular expression to FSA & also able to design finite state machine.	3	100
603.3	To optimize the construction of context free grammars & also able to construct pushdown automata.	3	100
603.4	To demonstrate the construction of a Turing machine.	2.4	80
603.5	To classify the problems based on their complexity.	3	100
603.6	To understand the recursive function theory.	2.6	86.66
604	6IT04-Computer Networks		
604.1	To Understand basic concepts of Computer Networks	3	100
604.2	To Understand different concepts of Data Link Layers	3	100
604.3	To Understand different concepts of Medium Access Control Sub layer	2.8	93.33
604.4	To Understand different concepts of Network Layer	3	100
604.5	To Understand different concepts of Transport Layer	3	100
604.6	To Understand different aspects of Application Layer	3	100
	7th Sem		
701	7IT01-Digital Signal Processing		
701.1	To introduce the student representation of digital signal in time domain along with basic operation performed on signal	3	100
701.2	To understand the different types of system and analysis of system using different techniques or method	3	100
701.3	Analyze digital signal processing systems using Z-transform	2.9	96.66

701.4	Compute circular convolution and the discrete Fourier transform (DFT) of discrete- time signal	2.7	90
701.5	Analyze and implement digital systems using the DFT and the Fast Fourier Transform (FFT).	2.9	96.66
701.6	Design digital filters using different method.	2.9	96.66
703	7IT03-Web Technology		
703.1	Students should Have a Good grounding of Web Application Terminologies and also to understand the concept of Web Essentials, Markup Languages and internate protocols	2.8	93.33
703.2	To study and understand the Style Sheets in terms of designing, flow & use in world of web technology.	2.8	93.33
703.3	To understand the Client-Side Programing, Host Objects, DOM Event Handling for efficiently use of web.	2.5	83.33
703.4	To understand Server-Side Programming and its concepts to provide better results regarding web sites and their applications.	2.8	93.33
703.5	To study and understand that how to Represent Web Data, JavaScript, XML,Event Oriented parsing, JSP and server pages needed for Server-Side & Client-Side Programming	2.4	80
703.6	To understand different Web Services, SOAP, XML Schema.	2.4	80
704	Real Time Embedded System		
704.1	To understand & analyze the importance of embedded system & its scope	3	100
704.2	To study the important structural units in a processor & use of term context switching, communication techniques	3	100
704.3	To analyze the role of different data structures, embedded programming related to ES	3	100
704.4	To understand & analyze the importance of different modeling process & models & different parameters related to operating system configuration	3	100
704.5	To understand the scope of different parameters of OS & its issues.	3	100
704.6	To understand the important role of RTOS & different scheduling mechanism concept	3	100
705	7IT05-Multimedia Technology		
705.1	To understand the basic concept of multimedia components, Image data types and Popular file formats.	3	100

705.2	To study the concept of color in image and video.	2.7	90
705.3	Student will be able to understand the basics of digital audio and Musical instrument digital interface.	2.7	90
705.4	Student will be able to understand the multimedia data compression and lossless image compression.	2.7	90
705.5	To understand the concept of basic video compression techniques.	2.7	90
705.6	Student will be able to understand the basic audio compression technique.	2.8	93.33
	8th Sem		
801	8IT01-Digital and Wireless Communication		
801.1	To understand the fundamentals of digital communication system with various coding effects.	3	100
801.2	To understand and implements the error detection and correction techniques.	3	100
801.3	To understand the details of spread spectrum modulation with various hopping techniques.	2.4	80
801.4	To understand the cellular telephone concepts with its architecture	2.4	80
801.5	To understand GSM architecture with various multiple accessing techniques.	2.8	93.33
801.6	To understand the recent trends in WLAN technology with different routing protocol.	2.4	80
802	8IT02-Network Administration & Security		
802.1	To understand & analyze the importance of network security & its goals	3	100
802.2	To study the importance of cryptography & implementation about the different cryptographic algorithms	3	100
802.3	To analyze the role of Kerberos ,PGP & S/MIME in related with network security goals	3	100
802.4	To understand & analyze the importance of IP security & different parameters related to web security considerations	3	100
802.5	To understand the scope of network administration & security	3	100
802.6	To understand the important role of system security, firewall & impact of viruses on system security	3	100

DEPARTMENT OF INFORMATION TECHNOLOGY
PSO Attainment 2015-16

PO	Title	Attainment Level	% Attainment
PSO1	Graduate must be able to write simple and complex programs using procedural and object oriented languages like C, C++ and java	2.5	85.04
PSO2	Graduate must be able to apply SDLC to any problem definition	2.8	95.55
PSO3	Graduate should be able to work efficiently in software industry	2.7	90.91

PO Attainment 2015-16

PO	Title	Attainment Level	% Attainment
PO1	Graduate will demonstrate basic knowledge in mathematics, science & IT.	2.5	84.94
PO2	Graduate will demonstrate an ability to identify analyze & solve software engineering problems.	2.6	87.57
PO3	Graduate will demonstrate basic programming capability through procedural, object oriented & assembly language programming	2.7	91.51
PO4	Graduate will demonstrate ability to design & develop software application	2.7	92.77
PO5	Graduate will demonstrate an ability to analyze & work on multidisciplinary software & hardware application.	2.7	91.27
PO6	Graduate should be able to understand and apply concepts of computer & social networking.	2.7	90.46
PO7	Graduate will demonstrate skills to use software & hardware development tools	2.6	89.53
PO8	Graduate will demonstrate the knowledge of professional, moral & ethical responsibility	2.5	84.72
PO9	Graduate will demonstrate the effective verbal and return form of communication	2.8	95.55
PO10	Graduate will be broadly educated & will understand the impact of IT on society.	2.6	89.44

PO11	Graduate will understand the importance of self learning & ability for lifelong education.	2.6	87.19
PO12	Graduate who can compete in competitive examination like GATE, CAT, etc.	2.5	85.59
