Cours	gram: B. Tech. (Computer Science) – Cybersecurity rse Module: Engineering Mathematics - I Module Code: Module Code:					PTCV01001	
	se Module:	Engineering	g Mathemati	cs - 1	Module Code: BTCY01001		CY01001
	Teacl	ning Scheme		Ev	aluation S	cheme	2
Lectu (Hou per wee	r (Hours per k) week)	Tutorial (Hours per week)	Credit	Internal Cor Assessmen (Marks -	Continuous nent (ICA) (ss - 50) (M		erm End minations (TEE) arks- 100 Question Paper)
3	0	1 1	4	Marks Scale	d to 50		Scaled to 5
-	ctives:	concepts in Al	gebra, pre-ca	ncuius.			
1. 2. 3. 4.	omes: completion of Demonstrate Carry out con Solve problen Demonstrate	nputational tec ns based on the	of fundame hniques of li concepts of	be able to : ntal concepts of near algebra to differential and cations of calcul	solve relat integral c	ed pro	blems. s.
	led Syllabus:						
Unit			Description	n			
1	Matrices and	Determinants					Duration
	adjoint metho and linear i	to Matrices and; Rank of a n	nd Determin natrix by ech of vectors,	nants; Inverse of telon form, Line Solving Syste	ar depend	lence	Duration 8
2	adjoint metho and linear in Equations usin Vector Space: Vector space associated with	to Matrices and; Rank of a madependence and the tools of Dimension,	nd Determinatrix by echof vectors, Matrices. Basis, Liro, Range and	selon form, Line Solving Syste ear transform kernel of a line	ear dependents of L	dence inear latrix	
3	adjoint metho and linear in Equations using Vector Space: Vector space associated with nullity theorem. Eigen Values Eigen values	to Matrices and; Rank of a madependence of the tools of the tools of the linear map of a linear map of a linear map and Vectors: and eigen vectors	nd Determinatrix by ech of vectors, Matrices. Basis, Liro, Range and linear transf	selon form, Line Solving Syste ear transform kernel of a line	ear dependents of Learning, Mear map, F	lence inear Iatrix Rank-	8



	Taylor's theorem, Partial derivatives: First and second order partial derivatives of a function, chain rule, Second derivative test for maxima minima and saddle points of two variable functions.	10
5	Integral Calculus: Multivariate integration: Double integrals (Cartesian), Change of order of integration in double integrals, Change of variables (Cartesian to polar), Applications: areas and volumes.	9
	Total	45

Text Books:

- 1. D. Poole, "Linear Algebra: A Modern Introduction", Brooks/Cole, 3rd Edition, 2010.
- 2. B.V. Ramana, "Higher Engineering Mathematics", McGraw Hill Education, 1st Edition, 2017.
- 3. B. S. Grewal, "Higher Engineering Mathematics", Khanna Publication, 44th Edition.

Reference Books:

- 1. Erwin Kreyszig, "Advanced Engineering Mathematics", Wiley India, 10th Edition, 2017.
- 2. Gilbert Strang, "Introduction to linear algebra", Wellesley- Cambridge Press, 5th Edition, 2016.

Any Other information:

Total Marks of Internal Continuous Assessment (ICA): 50Marks

Description of ICA	Marks
Class Test Marks	20
Term Work Marks	30
Total Marks	50

Details of Term work: As per Institute norms.

Signature

Program	: B. Tech.	Semester: I			
Course M	Iodule:	Basic Electric	al & Electro	onics Engineering	Module Code: BTCY01002
	Teacl	ning Scheme		Evalı	nation Scheme
Lecture (Hours per week)	Practica 1 (Hours per week)	Tutorial (Hours per week)	Credit	Internal Continuous Assessment (IC (Marks - 50)	
3	2	1	5	Marks Scaled to	50 Marks Scaled to 50

Pre-requisite: NIL

Objectives:

- 1. Equip the student to understand and solve simple ac and dc electrical and magnetic circuits using different theorems.
- 2. To enable the student to obtain a basic understanding of the working principle and applications of electronics devices.
- 3. To impact hands-on experience in assembling and testing of circuits.

Outcomes:

After completion of the course, students would be able to:

- 1. Analyze dc circuits using network theorems.
- 2. Understand and analyze AC circuits.
- 3. Discuss the working principle and applications of transformer, DC and AC machines.
- 4. Understand the construction, working and principle of electronics devices.

Detailed Syllabus:

Unit	Description	Duration
1	DC Circuits: Electrical circuit elements (R, L and C), voltage and current sources, Kirchhoff's current law, Kirchoff's voltage laws, Analysis of simple circuits with dc excitation, Superposition Theorem, Thevenin's Theorems, Norton's Theorems. Time-domain analysis of first-order RL circuits.	8
2	AC Circuits: Representation of sinusoidal waveforms, peak and rms values, Phasor representation, real power, reactive power, apparent power, power factor, Analysis of single-phase ac circuits consisting of R , L and C circuits, Analysis of series and parallel RLC circuits, Resonance (series and parallel resonant circuit), Three-phase balanced circuits, voltage and current relations in star and delta connections.	9



3	Transformers: Magnetic materials, BH characteristics, Ideal and practical transformer, equivalent circuit, Losses in transformers, regulation and efficiency, Regulation and efficiency, Auto-transformer, Three-phase transformer connections	8
4	Electrical Machines: Generation of rotating magnetic fields, Construction and working of a three-phase induction motor, Significance of torque-slip characteristic. Loss components and efficiency, Starting and Speed control of induction motor, Single-phase induction motor, Construction, working, torque-speed characteristic and speed control of separately excited dc motor, Construction and working of synchronous generators	8
5	Introduction to Semiconductor Devices: Introduction, basic principle and operation of devices - Diode, bipolar Junction transistor (NPN & PNP Transistor)	4
6	Application to Semiconductor devices: Basic concepts of rectifiers and its types, voltage regulators, amplifiers and oscillators, Basic concepts of operational amplifier and their applications.	8
	Total	45

Text Books:

- 1. D. C. Kulshreshtha, "Basic Electrical Engineering", 1st Ed, McGraw Hill Education, 2017.
- 2. E. Hughes, "Electrical and Electronics Technology", 10th Ed, Pearson Education, 2013.
- 3. Boylstead R.L., Nashelsky L., "Electronic Devices and Circuit Theory", Pearson, 12thEdition, 2012

Reference Books:

- 1. V. D. Toro, "Electrical Engineering Fundamentals", Pearson Education India 2nd Ed, PHI, 2015.
- B. L. Theraja, "Fundamentals of Electrical Engineering and Electronics", S. Chand & Co, 24th edition, 2012
- 3. Jacob Millman & Halkias, "Electronic Devices & Circuits", Tata McGraw Hill second edition, 2013.



Any other information:

Total Marks of Internal Continuous Assessment (ICA): 50Marks

Description of ICA	Marks
Class Test Marks	20
Term Work Marks	30
Total Marks	50

Details of Term work: Tutorials/Quiz/Presentation/Viva or any other assessment mechanism as per the requirement of the course.

E8/0/6/20

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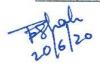
SVKM's NarseeMonjee Institute of Management Studies Mukesh Patel School of Technology Management & Engineering

		Computer Scien				ester : I	
Course/	ourse/Module : Programming for Problem S			Solving Module Code:		:BTCY01003	
Teaching Scheme				Ev	Evaluation Scheme		
Lecture (Hours per week)		Tutorial (Hours per week)	Credit	Continue Assessment	Internal Example 1 Example 1 Example 1 Example 2 Example		rm End ninations TEE) rks- 100 Juestion aper)
3	4	0	5	Marks Scale	d to 50	Marks	Scaled to 50
Pre-req		11 61:					
		oblem Solving	5				
Objecti							
				l concepts of			
Stude	ents will deve	elon skills rela					
TOTAL : -		-	-	em solving by v	0	computer	programs
		-	-	amming experi	0	computer	programs
Outcom	es:	not require any	y prior progi	amming experi	0	omputer	programs
Outcom After co	es: mpletion of	not require any the course, stu	y prior progradents would	amming experi	ence.		programs
Outcom After co 1. F	es: mpletion of t ormulate alg	the course, stu orithms and d	y prior progr dents would traw flowch	amming experi I be able to: arts for a given	ence. problem		programs
Outcom After co 1. F 2. In	es: mpletion of t ormulate alg nplement de	not require any the course, stu orithms and d cision making	y prior progradents would dents would draw flowcha g, control stru	ramming experi I be able to: arts for a given j actures, and iter	ence. problem		programs
Outcom After co 1. F 2. In 3. In	es: mpletion of t ormulate alg mplement de mplement pr	the course, stu orithms and d cision making ograms using	y prior programmers would draw flowchas, control stru- functions an	ramming experi I be able to: arts for a given juctures, and iten ad recursion	ence.		
Outcom After co 1. F 2. In 3. In 4. D	es: mpletion of to ormulate alg mplement de mplement pr	the course, stu orithms and d cision making ograms using	y prior programmers would draw flowchas, control stru- functions an	ramming experi I be able to: arts for a given j actures, and iter	ence.		
Outcom After co 1. F 2. In 3. In 4. D	es: mpletion of to ormulate alg mplement de mplement pr demonstrate	the course, stu orithms and d cision making ograms using	y prior programments would draw flowchas, control stru- functions an	ramming experi I be able to: arts for a given juctures, and iter ad recursion tructures, point	ence.		
Outcom After co 1. F 2. In 3. In 4. E Detailed	es: mpletion of to ormulate algonplement de mplement professionstrate to demonstrate to describe to supplement to	the course, stu orithms and d cision making ograms using the use of arra	y prior progradents would draw flowchat, control structions and ys, strings, s	ramming experi I be able to: arts for a given juctures, and iter ad recursion tructures, point	ence.		dling
Outcom After co 1. F 2. In 3. In 4. D Detailed Unit	es: mpletion of too ormulate algorithment de mplement propersonstrate d Syllabus: atroduction to	the course, stu orithms and d cision making ograms using the use of arra	y prior progradents would draw flowchar, control structions anys, strings, s Descriptions:	ramming experi I be able to: arts for a given p actures, and iten ad recursion tructures, point	problem rations ers, and	file hand	dling
Outcom After co 1. F 2. In 3. In 4. E Detailed Unit Ir	es: mpletion of to ormulate algorithms algor	the course, stu orithms and d cision making ograms using the use of arra	y prior progradents would draw flowchar, control structions and ys, strings, s Descriptions: s of a comparent of the prior of the prio	ramming experi	ence. problemations ers, and disks, r	file hand	dling
Outcom After co 1. F 2. In 3. In 4. E Detailed Unit Ir pr	es: mpletion of to ormulate algorithms algorithms algorithms are demonstrated algorithms. attroduction to occessor, wheelers are designed algorithms are designed algorithms.	the course, stu orithms and d cision making ograms using the use of arra o programming to component ere a program	y prior progradents would draw flowchar, control structions and ys, strings, sometimes of a comparison of a co	ramming experi	ence. problemations ers, and disks, recrating	file hand	dling Duration
Outcom After co 1. F 2. In 3. In 4. E Detailed Unit Ir pr co	mpletion of to cormulate algorithms and mplement properties of the control of the cores or, who is made and the cores or the cores or the core of the core o	the course, stu orithms and d cision making ograms using the use of arra o programming to component ere a program	dents would draw flowchat, control structions and ys, strings, s Descriptions as of a comparison of a comparis	ramming experi	ence. problem rations ers, and disks, recrating I and no	nemory, system, umerical	dling
Outcom After co 1. F 2. In 3. In 4. E Detailed Unit I Ir Ir pr co pr	es: mpletion of to ormulate algorithms and mplement properties of the properties of	the course, stu orithms and d cision making ograms using the use of arra o programming to component ere a program of Idea of Algo presentation of	dents would draw flowchat, control structions and ys, strings, serings, serings, serings of a comparishment of Algorithm	ramming experi	ence. problem rations ers, and disks, recrating I and no seeudoco	nemory, system, umerical de with	dling Duration

Operators, Expressions and precedence, Decision making and

Functions: Introduction and need of user defined functions, defining a Function, Function calls and declaration, Category of functions, passing

Arrays and Strings: Arrays (1-D, 2-D), Character arrays and Strings



Basic Programming Constructs:

Branching, looping

	Total	45
8	File handling: Introduction, opening and closing of files, I/O operations, random access to files	4
7	Pointers: Idea of pointers, Defining pointers, call by value, call by reference, pointer arithmetic, array of pointers, pointers and character strings	5
6	Structures: Defining a Structure Declaring structure variables, Accessing structure members, Structure Initialization, Array of Structure, Structure within structure, Difference between Structure and Unions	4
5	Recursion: Introduction, Recursion, as a different way of solving problems. Example programs, such as Finding Factorial, Fibonacci series, Ackerman function etc.	3
	arrays to functions, Declaring & initialising string variable, Reading & writing strings, String handling functions, Passing strings to functions.	8

Text Books:

- 1. Byron Gottfried, "Schaum's Outline Programming with C", 3 e, McGraw-Hill, 2017.
- 2. E. Balaguruswamy, Programming in ANSI C, 8e, Tata McGraw Hill Education, 2019.

Reference Books:

- 1. Brian W. Kernighan and Dennis M. Ritchie, "The C Programming Language", 2 e, PHI, 1988.
- 2. Tony Gaddis, "Starting Out with Programming Logic and Design", 5e, Pearson, 2019
- 3. Wiley Editorial, "Programming for Problem Solving", Wiley India, 2018
- 4. Behrouz A. Forouzan and Richard F. Gilberg, "Computer Science: A Structured Programming Approach Using C", Cengage India, 2012

Any Other information:

Total Marks of Internal Continuous Assessment (ICA): 50Marks

Description of ICA	Marks
Class Test Marks	20
Term Work Marks	30
Total Marks	50

Details of Term work: Tutorials/Quiz/Presentation/Viva

Signature

Program: B. Tech. (Computer Science) - Cybersecurity					Semester	: I
Course/N	Module:	Introduction to	Engineerin	g	Module Code: BTCY	
	Teac	hing Scheme		Ev	aluation S	cheme
Lecture (Hours per week)	Practical (Hours per week)	Tutorial (Hours per week)	Credit	Internal Cor Assessmen (Marks	it (ICA)	Term End Examinations (TEE) (Marks-100 in Question Paper)
2	0	0	2	Marks Scal	ed to 50	-

Objectives: The objective of this course is to provide an introduction to the profession of engineering. This course discusses the process of engineering design and building on that process to introduce students to fundamental tools and concepts that are used by engineers in their work.

Outcomes:

After completion of the course, students would be able to:

- 1. Understand various engineering disciplines and common terminologies related to program
- 2. Understand engineering design process
- 3. Understand the importance of ethics in engineering design
- 4. Understand project management basics

Detailed Syllabus:

Unit	Description	Duration
1	Introduction to engineering profession: Engineering as a profession, difference between science, engineering, and technology, traits of a good engineer, Engineering disciplines, preparing for an engineering career	. 4
2	Engineering Ethics: Professional ethics, code of conduct, ethical decision making, and professional organizations	2
3	Introduction to Engineering Design: Engineering design process, sustainability in design, engineering economics, engineering standards and codes, design considerations	12
4	Mathematics and statistics in engineering: linear and non linear models, exponential and logarithmic models, matrix algebra, calculus, differential equations, probability theory,	6



	frequency distribution and measure of central tendency	
5	Logic and computers: Moore's law. Evolution of computers, binary logic, truthtables, decimal and binary numbers, binary arithmetic and binary codes, working of computer.	2
6	Project Management: Introduction, protect management phases, WBS, Gantt Chart	2
7	Introduction to Cybersecurity: Cyberspace and cybersecurity, job roles in cybersecurity field, skill setsfor a cybersecurity professional, common terminologies and basic concepts.	2
	Total	30

Text Books:

- 1. Philip Kosky, Robert T. Balmer, William D. Keat, and George Wise, "Exploring Engineering: An Introduction to Engineering and Design", 4th Ed, Academic Press, 2015.
- Saeed Moaveni, "Engineering Fundamentals: An Introduction to Engineering", 6th Ed, Cl-Engineering, 2019.

Reference Books:

- 1. Elizabeth A. Stephan et. al., "Thinking Like an Engineer: An Active Learning Approach", 4th Edition. Pearson, 2018
- 2. Mark N. Horenstein, "Design Concepts for Engineers", 5th Edition, Pearson, 2016
- 3. Don Norman, "The Design of Everyday Things", 2nd Ed, Basic Books, 2013
- 4. Raymond B. Landis, "Studying Engineering: A Road Map to a Rewarding Career", Discovery Press, 2013

Any Other information:

Total Marks of Internal Continuous Assessment (ICA): 50Marks

Description of ICA	Marks
Class Test Marks	20
Term Work Marks	30
Total Marks	50

Details of Term work: Tutorials/Quiz/Presentation/Viva or any other assessment mechanism as per the requirement of the course

Signature 6 2

Program: B	Tech. (Computer Scien	nce) - Cyber	security 5	Semeste:	r:I
Course/Mo		Presentation ar Techniques	nd Commun	ication N	Module (Code: BTCY01005
2000131111	Teach	ing Scheme		Evalt	ation S	cheme
Lecture (Hours per week)	Practice (Hours per week)	and the state of t	Credit	Internal Contin Assessment (IO (Marks - 50	CA)	Term End Examinations (TEE)
2		1	3	Marks Scaled to	o 50	No. and

Pre-requisite:NIL

Objectives:

- To impart an understanding of basic tenets of business communication that helps students to effectively engage in organizational communication.
- To develop in students an understanding of interpersonal communication challenges and the ability to effectively overcome these challenges in an organizational context.
- To develop leadership, team building and decision making skills which could be later applied in a professional set up.
- To impart technical writing skills towards designing and structuring persuasive technical communication.
- To build and strengthen presentation skills towards making impressive and persuasive presentations.
- To train the students for participating in group discussions, building Resume and facing personal interviews.

Outcomes:

After completion of the course, students would be able to:

- 1. Understand and apply the postulates of technical writing in a formal set up
- 2. Apply fundamentals of business correspondence to create well-structured Resumes, application letters, Minutes of Meetings and similar business related documents
- 3. Understand and analyse group dynamics and apply leadership skills for effective team building in professional set ups.
- 4. Analyze the context and select appropriate communication techniques for effective interpersonal communication in professional context.

Detai	led Syllabus:	
Unit	Description	Duration
1	Understanding the foundations of Business Communication: Professional Communication in a Digital, Social, Mobile World	5
2	Collaboration, Interpersonal Communication and Business Etiquette: Communicating effectively, collaborating, conducting productive meetings, using meeting technologies, improving listening skills and non-verbal communication, business etiquettes.	5
3	Development of Interpersonal and Group Communication Skills:	



	Theatre techniques: Use of drama (in workshop format) to promote	
	meaningful, active and reflective thinking processes as well as enhancing	5
	communication skills development.	
	Group Communication	
	Forms of Group Communication; Use of body language in Group communication	
	Group Discussion etiquette: Introducing oneself and others; Expressing Oninions and Ideas automatical discussions discussions discussions.	
	Expressing Opinions and Ideas; expressing disagreement etc.	
	Group Discussion Strategies: Speaking, taking turns, Creating a Cordial and cooperative atmosphere etc.	
4	Employment Communication:	
**	Personal Interviews-Objectives, Types, Stages of Interview	
	Interview Preparation-types of Interview Questions; Interview	4
	Follow ups	+
	Resume- Types and Format; Cover letters	
	Mock Interviews (simulation)	
5	Organizational networks and communication Structures:	
	Process and Functions of Communication; Formal Networks in	
	Organizational Communication	4
	Informal networks of organizational communications ;choice of	-
	communication channels	
6	Meetings:	
	Meetings- Purposes ,Importance and Meeting Procedures including	2
	Chairperson's and participants' roles, Meeting Documentation	(ATE)
	(Minutes of resolution; Minutes of Narration; Meeting Notice and	
	Agenda)	
7	Technical Report Writing:	
	Importance, objectives and Characteristic of Reports; Types of	2
	Reports	
	Report formats and Structure -Memo Reports; Letter Reports;	
	Office Orders and Manuscript Reports	
8	Presentation Skills:	
	Planning and structuring Presentations; Visual Aids in Presentations	
	Applications of MS Power Point	3
2000	Audience analyses; Nuances of Delivery; Modes of delivery; Controlling	
	Nervousness and stage fright	
	Total Books:	30

ed.). Pearson.

2. Meenakshi Raman and Sangeeta Sharma (2015), Technical Communication Oxford University Press, 3rd Edition



Reference Books:

1. Fred Luthans (2013), 'Organizational Behavior', McGraw Hill, 12th Edition

Any other information:

1. Links to websites:

- https://www.mindtools.com/
- https://www.pearsonmylabandmastering.com/northamerica/mybcommlab/

2. Pedagogy:

- Classroom teaching
- · classroom exercises and discussion
- case studies
- written assignments
- presentations and role play

Total Marks of Internal Continuous Assessment (ICA): 50Marks

Description of ICA	Marks
Class Test Marks	20
Term Work Marks	30
Total Marks	50

Details of Term work:

- Group/Individual presentations
- Report writing-Memo Reports and letter reports
- · Drafting meeting Agenda and Minutes of Meeting
- Resume and Cover letter writing
- Group Discussion
- Mock Interviews

Signature

Program: B.	Tech.	(Comp	uter Science) - Cyberse	ecurity	Semester	: I
Course/Mo	dule:	Physic	CS .			Module C	ode: BTCY01006
	Teac	hing S	cheme			Evaluation	n Scheme
Lecture (Hours per week)	(Hou	tical rs per ek)	Tutorial (Hours per week)	Credit	Cont Assessn	ernal inuous nent (ICA) ks - 50)	Term End Examinations (TEE) (Marks- 100 in Question Paper)
3	2	2	0	4	Marks S	Scaled to 50	Marks Scaled to 50

Pre-requisite: knowledge of 12th Grade level physics

Course Objectives:

- 1. To enable students to understand the basic principles of electricity and magnetism, quantum physics thermodynamics and their applications.
- 2. To enhance the student's ability to apply the principles of Physics in solving engineering problems in everyday life.

Course Outcomes:

After completion of the course, students would be able to:

- 1. Describe different types of laser and optical fibers, its principle, properties and applications
- 2. Interpret the laws of electromagnetism and various terms related to electromagnetic properties of matter such as, permeability, polarization, etc.
- 3. Explain the basic laws related to quantum mechanics and apply them to solve simple quantum mechanical problems.
- 4. Understand the basics principles thermodynamics.

Detailed Syllabus:

Unit	Description	Duration
1.	Laser and Fiber optics: Einstein's theory of matter radiation interaction and A and B coefficients; amplification of light by population inversion, different types of lasers: Ruby Laser, CO ₂ Laser, He Ne laser and Semiconductor lasers; Properties of laser beams: mono-chromaticity, coherence, directionality and brightness, laser speckles, applications of lasers in engineering.	12
	Fiber Optics: Introduction, optical fiber as a dielectric wave guide, total internal reflection, Numerical aperture and various fiber parameters, losses associated with optical fibers, Step and graded	



	index fibers, Application of optical fibers	
2.	Quantum Mechanics Introduction to Quantum Physics, Black body radiation, Explanation using the photon concept, Photoelectric effect, Compton effect, de Broglie hypothesis, Wave-particle duality, Born's interpretation of the wave function, Verification of matter waves, Uncertainty principle, Schrodinger wave equation (Time In-dependent form), Schrodinger wave equation (Time dependent form), Solution of Schrodinger wave equation, Particle in box, Quantum harmonic oscillator, Hydrogen atom.	12
3.	Electromagnetism and Magnetic Properties of Materials Laws of electrostatics, Electric current and the continuity equation, laws of magnetism, Ampere's Faraday's laws, Maxwell's equations, Polarization, Permeability and dielectric constant, Polar and non- polar dielectrics, Internal fields in a solid, Clausius-Mossotti equation, Applications of dielectrics, Magnetisation, Permeability and susceptibility, Classification of magnetic materials, Ferromagnetism, magnetic domains and hysteresis, Applications of magnetism	12
4.	Thermodynamics Zeroth law of thermodynamics, first law of thermodynamics, brief discussion on application of 1st law, second law of thermodynamics and concept of Engine, entropy, change in entropy in reversible and irreversible processes, third law of thermodynamics.	9
	Total	45

Text Books:

- 1. Beiser A (2015), "Concepts of Modern Physics", Tata McGraw Hill International, 7th edition (SIE).
- 2. David Halliday, Robert Resnick, Jearl Walker (2018), "Fundamentals of Physics", Wileyplus, 11th Edition.



Reference Books:

- Sears &Zemansky, (2017) "University Physics", Pearson Education, Addison-Wesley, 14th Edition.
- 2. R. Eisberg and R. Resnick, (2013) "Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles", John Wiley & Sons, Indian Reprint, 2nd edition
- 3. D. J. Griffiths, (2015) "Introduction to electrodynamics", Pearson Education Limited, 4th edition

Any other information:

Total Marks of Internal Continuous Assessment (ICA): 50Marks

Description of ICA	Marks
Class Test Marks	20
Term Work Marks	30
Total Marks	50

Details of Term work:

- 1. Assignments
- 2. Laboratory experiments
- 3. Viva/practical exam

Signature