

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Engineering Physics-II	1163 - OM PRAKASH CHAVRASIA	<p>Compton Effect</p> <ul style="list-style-type: none"> * Statement and Theory * Compton Wavelength * Direction of Recoil Electron * Kinetic Energy of Recoil Electron * Frequency and Energy of Scattered Radiation 	13/01/2018
02	Engineering Physics-II	1166 - SARENA VICTOR	<p>Schrodinger's Wave Equation</p> <ul style="list-style-type: none"> * Wave Function * Time Dependent Wave Equation * Time Independent Wave Equation * Significance of Wave Equations * Physical Interpretation of Wave Function 	13/01/2018
03	Engineering Physics-II	1168 - SUNNY EVANGEL ATHALY	<p>Particle in one dimensional Box</p> <ul style="list-style-type: none"> * Normalization Condition * Boundary Value Problem * Eigen Value and Eigen Function * Energy Levels for one dimensional Box 	20/01/18
04	Engineering Physics-II	1172 - SARYASACHI SAHA	<p>Application of Schrodinger's Wave Equation</p> <ul style="list-style-type: none"> * A Review of Dimensional Problem * Free Particle in Three Dimensional Box (3D) * Boundary Conditions * Wave Function for 3D Problem * Energy Eigen Values * Degeneracy of Energy Level 	20/01/18

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Engineering Physics-II	1175 - SHUBHAM UPADHYAY	Rectangular Potential Barrier <ul style="list-style-type: none"> * Potential Barrier Problem * Boundary Conditions * Special Cases When $E < V$ and When $E > V$ * Transmission Coefficient and Reflection Coefficient * Transmission Probability and Reflection Probability * Tunneling with Example 	20/01/18
06	Engineering Physics-II	1177 - DHRUV ARORA	Free Electron Gas Model <ul style="list-style-type: none"> * Models on Free Electron * Sommerfield's Theory * Density of States * Fermi Energy * Fermi Function 	27/01/18
07	Engineering Physics-II	1181 - REDDY VARUN VUNNAM	Coherence <ul style="list-style-type: none"> * Types of Coherence * Temporal Coherence * Spatial Coherence * Coherence Length & Coherence Time * Q-Factor * Size of the Source * Visibility as the Measurement of Coherence * Real Life Examples 	27/01/18

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Engineering Physics-II	1184 - SIDDHARTH YADAV	<p>Optical Fibers</p> <ul style="list-style-type: none"> * Types of Optical Fiber * Optical Fiber as Optical Wave Guide * Numerical Aperture * Acceptance Angle * Application of Optical Fiber 	27/01/18
09	Engineering Physics-II		<p>LASER</p> <ul style="list-style-type: none"> * Meaning of Laser * Properties of Laser * Interaction of Radiation with matter * Absorption * Spontaneous Emission * Induced Emission * Relationship between Einstein's Coefficients * Threshold Condition of Lase Action 	
10	Engineering Physics-II		<p>He-Ne LASER</p> <ul style="list-style-type: none"> * Components of Laser System * Construction * Metastable State * Population Inversion * Energy Level Diagram * Working of He-Ne Laser * Advantages of He-Ne Laser * Application of He-Ne Laser 	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
11	Engineering Physics-II		Holography * Holography Vs Photography * Fundamental of Holography * Construction of Holography * Reconstruction of Holography * Basic Requirements of Holographic Laboratory * Applications of Holography	
12	Engineering Physics-II		Radiation * Types of Radiation * Charged Particles * Uncharged Particles * Ionizing Radiation * Interaction of Radiation with Matter * Radiation Detectors	
13	Engineering Physics-II		Radiation Detectors * Main Components of Radiation Detectors * Gas Filled Tube Detectors * Scintillation Crystal Detectors * Solid State Semiconductors detectors * Block Diagrams	

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14	Engineering Physics-II		<ul style="list-style-type: none"> Gas Filled Detectors * Ionization Current Versus Voltage * Recombination Region * Ionization Chamber Region * Proportional Region * Limited Proportional Region * Geiger-Muller Region * Continuous Discharge Region 	
15	Engineering Physics-II		<ul style="list-style-type: none"> Counters * Proportional Counter * Geiger-Muller Counter * Principle * Construction * Working * Electric Field in Counter * Efficiency of Counter * Dead Time * Resolving Time * Recovery Time * Properties 	
16	Engineering Physics-II		<ul style="list-style-type: none"> Scintillation Counter * Principle * Scintillator Materials * Types of Scintillator * Construction * Working * Efficiency & Properties 	

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Engineering Mathematics-II	1262 - M.D. NAZIR	Introduction of coordinate geometry of three dimensions * Coordinates - Definition - Origin - Axes - Distance between two points - Section formula * Direction cosines and projections - Definition - Directions cosines of a line - Direction cosines of coordinate axes - Direction cosines ratio of coordinated axes * Angle between two lines - Condition of perpendicularity (with diagram) - Condition of parallelism (with diagram)	7/4/18
02	Engineering Mathematics-II	1270 - MASALE SAYWAN VJASKUMAR	Sphere * Introduction of sphere * Definition * Equation of sphere * Plane section of sphere * Intersection of two sphere * Intersection of a sphere and line	7/4/18
03	Engineering mathematics-II	1288 - JASHWINDER SINGH KANWAR	Cone and cylinder * Introduction * Definition * Equation of Cone and cylinder	7/4/18

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
04	Engineering Mathematics-II	1232 - ORODJ SIDDIQUI	<ul style="list-style-type: none"> * Introduction of right circular cone and right circular cylinder * Guiding curve * Generating line * Application of RCC <p>Introduction of Matrix</p> <ul style="list-style-type: none"> * Definition of matrix * Notation and type of matrix * Algebra of matrices * Application of matrix in science 	7/4/18
05	Engineering Mathematics-II	1238 - SHAMIA AKHTAR	<p>Introductions of rank</p> <ul style="list-style-type: none"> * Definition of rank * Application of rank in system of 3 linear equation * Method of finding rank <ul style="list-style-type: none"> - Normal form method - Echelon form method <p>Introduction of eigen value and eiger vectors</p> <ul style="list-style-type: none"> * Definition and characteristics equation * Cayley-Hamilton theorem <ul style="list-style-type: none"> - Statement of CHT - Application of CHT in vector calculate <p>Introduction of vector calculus</p> <ul style="list-style-type: none"> * Definition * Vector function and scalar function 	7/4/18
06	Engineering Mathematics-II			
07	Engineering Mathematics-II			

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Engineering Mathematics-II		<ul style="list-style-type: none"> * Derivative of a vector function in terms of its components * Geometrical Interpretation of dr/dt * Scalar add vector fields * Gradient and divergence 	
09	Engineering Mathematics-II		<p>Introduction of differentiation and integration of vector functions</p> <ul style="list-style-type: none"> * Differential operator and curl * Line integral * Surface integrals * Volume of Integrals <p>Application of differentiation and Integration of vector functions</p>	
10	Engineering Mathematics-II		<p>Application of vector calculus</p> <ul style="list-style-type: none"> * Discussed main theorem based on * Green's theorem in a plane * Gauss's and stoke theorem <p>Fourier series</p> <ul style="list-style-type: none"> * Introduction * Definitions * Orthogonal set * Periodic function * Fourier coefficients * Even and odd function 	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
06	Computer Program	1226 - MD SHAHBAZ	Standard Input & Output Function * Formatted function * Unformatted function * User defined function	17/3/18
07	Computer Program	1229 - SOURAV	Control statement * Conditional * Looping * Sequence	17/3/18
08	Computer Program	1232 - VIKARSH GUPTA	Array * 1 D Array * 2 D Array * 3 D Array	17/3/18
09	Computer Program	1236 - YATIN AHLAWAT	Structure * Concepts * Structure within structure * Structure using typedef	17/3/18
10	Computer Program	1241 - SOHAMDIP CHAKRABORTY	Pointers * Concepts * Assign value using pointer * Pointer to pointer * Pointer expression	31/3/18

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
11	Computer Program	1242 - DIVYANSHU SONI	String * Concepts * String handling function	31/3/18
12	Computer Program	1245 - SAUMYA RAJORA	Preprocessor * Concepts * Preprocessor directive	31/3/18
13	Computer Program	1249 - SHARAN SHAMBH	Programming Environment * Invoke TC Compiler * Editing the source program * Compilation process * Executing the program	31/3/18
14	Computer Program	1251 - ANVIT KUMAR	File handling * Concepts * Performing file operation * Types of files * End of file	31/3/18
15	Computer Program		Problem solving technique * Algorithm * Flowchart * Pseudo code	

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Sl. No	Subject	Name of Student	Semester/Topic	Date of Seminar
11	Computer Systems	D45 - DINDYANESH	Computer Systems	21/2/18
12	Computer Program	SADIK	Computer Program	21/2/18
13	Computer Program	SADIK	Computer Program	21/2/18
14	Computer Program	SADIK	Computer Program	21/2/18
15	Computer Program	SADIK	Computer Program	21/2/18