

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Engineering Physics-II	13/01/18 1162 - ROHIT KUNDRA	Compton Effect * Statement and Theory * Compton Wavelength * Direction of Recoil Electron * Kinetic Energy of Recoil Electron * Frequency and Energy of Scattered Radiation	13/01/18
02	Engineering Physics-II	13/01/18 1164 - PRATEEK	Schrodinger's Wave Equation * Wave Function * Time Dependent Wave Equation * Time Independent Wave Equation * Significance of Wave Equations * Physical Interpretation of Wave Function	13/01/18
03	Engineering Physics-II	13/05 - SHAEN DAS	Particle in one dimensional Box * Normalization Condition * Boundary Value Problem * Eigen Value and Eigen Function * Energy Levels for one dimensional Box	10/02/18
04	Engineering Physics-II	13/06 - SHREYANSH SAMRAL	Application of Schrodinger's Wave Equation * 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	10/02/18

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Engineering Physics-II		Rectangular Potential Barrier * 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	
06	Engineering Physics-II		Free Electron Gas Model * Models on Free Electron * Sommer field's Theory * Density of States * Fermi Energy * Fermi Function	
07	Engineering Physics-II		Coherence * 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	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Engineering Physics-II		<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 	
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		<p>Holography</p> <ul style="list-style-type: none">* Holography Vs Photography* Fundamental of Holography* Construction of Holography* Reconstruction of Holography* Basic Requirements of Holographic Laboratory* Applications of Holography	
12	Engineering Physics-II		<p>Radiation</p> <ul style="list-style-type: none">* Types of Radiation* Charged Particles* Uncharged Particles* Ionizing Radiation* Interaction of Radiation with Matter* Radiation Detectors	
13	Engineering Physics-II		<p>Radiation Detectors</p> <ul style="list-style-type: none">* Main Components of Radiation Detectors* Gas Filled Tube Detectors* Scintillation Crystal Detectors* Solid State Semiconductors detectors* Block Diagrams	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
14	Engineering Physics-II		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		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		Scintillation Counter * Principle * Scintillator Materials * Types of Scintillator * Construction * Working * Efficiency & Properties	

S.No	SubJect	Name of Student	Date of Seminar
01	Human Values	1210 - AADHYA GUPTA	17/02/18
02	Human Values	1213 - HIMANSHU SHARMA	17/02/18
03	Human Values	1215 - SOURABH.K. PAL	17/02/18
04	Human Values	1220 - DANNY YADAV	17/02/18

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Engineering Mathematics-II	1250 - LAKSHAY V.	Introduction of coordinate geometry of three dimensions * Coordinates - Definition - Origin - Axes - Distance between two points - Section formula * Direction cosines and projections - Definition - Direction 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)	31-03-2018
02	Engineering Mathematics-II	1253 - PREET ANHA	Sphere * Introduction of sphere * Definition * Equation of sphere * Plane section of sphere * Intersection of two sphere * Intersection of a sphere and line	31-03-2018
03	Engineering mathematics-II	1261 - MELWIN	Cone and cylinder * Introduction * Definition * Equation of Cone and cylinder	31-03-2018

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
04	Engineering Mathematics-II	1264 - YASHAG	<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 	17-03-2018
05	Engineering Mathematics-II	1274 - SAMMER	<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 	17-03-2018
06	Engineering Mathematics-II	1282 - SAGAR SINGH	<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 	17-03-2018
07	Engineering Mathematics-II	1284 - SONALI	<p>Introduction of vector calculus</p> <ul style="list-style-type: none"> * Definition * Vector function and scalar function 	10-03-2018

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Engineering Mathematics-II	1289 - KALLINDALA	<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 <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>	10-3-2018
09	Engineering Mathematics-II	1284 - AMRUTHA	<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 	10-03-2018
10	Engineering Mathematics-II			

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B. Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
11	Engineering Mathematics-II		<p>Change of Interval</p> <ul style="list-style-type: none">* Application of in Engineering problem* Half-Range series* Dirichlet condition <p>Introduction of harmonic analysis</p> <ul style="list-style-type: none">* Definition of Harmonic Analysis* First harmonic* Second harmonic* The mode of vibrating string <p>Application of harmonic Analysis in life</p>	
12	Engineering Mathematics-II		<p>Solution in series</p> <ul style="list-style-type: none">* Introduction* Definition* Power series method* Validity of the power series method- Regular function with example- Ordinary point with example- Singular point with example <p>Introduction of partial differential equations</p> <ul style="list-style-type: none">* Definition (Basic concept)* Formation of P.D.E* Boundary value problem in Heat Equation and wave equation in one dimensional.	
13	Engineering Mathematics-II			
14	Engineering Mathematics-II			

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Engineering Mathematics-II	1287 - KALINDALA	<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 <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>	10-3-2018
09	Engineering Mathematics-II	1289 - AMRUTHA	<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 	10-03-2018
10	Engineering Mathematics-II			

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
11	Engineering Mathematics-II		Change of Interval * Application of in Engineering problem * Half-Range series * Dirichlet condition	
12	Engineering Mathematics-II		Introduction of harmonic analysis * Definition of Harmonic Analysis * First harmonic * Second harmonic * The mode of vibrating string Application of harmonic Analysis in life	
13	Engineering Mathematics-II		Solution in series * Introduction * Definition * Power series method * Validity of the power series method - Regular function with example - Ordinary point with example - Singular point with example	
14	Engineering Mathematics-II		Introduction of partial differential equations * Definition (Basic concept) * Formation of P.D.E * Boundary value problem in Heat Equation and wave equation in one dimensional.	

S.No	Subject	NAME OF STUDENT	DATE OF SEMINAR
01	Computer Prog	ANKUR KUMAR (12227)	10/02/18
02	Computer Prog	1234 - GOMPA HARSHA	10/02/18
03	Computer Prog	1237 - THATIKONDA	10/02/18
04	Computer Prog	1238 - MISHRA NIKHIL	03/03/18
05	Computer Prog	1244 - AKSHAY GODDARA	03/03/18
06	Computer Prog	1247 - SURYA PRAKASH	03/03/18

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
15	Engineering Mathematics-II		<p>Introduction of partial differential equation of first order</p> <ul style="list-style-type: none">* Definition types of P.D.E* Types of methods <p>Introduction of special type of partial differential equation</p> <ul style="list-style-type: none">* Method of solution <p>Introduction of non linear P.D.E</p> <ul style="list-style-type: none">* Definition* Auxiliary equations* Type of method carpit method	

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B.Tech. Semester -2

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Engineering Mechanics	1169 - ADITYA	<p>Statics of particles and Rigid bodies</p> <ul style="list-style-type: none"> * Application of law of Mechanics * Resolution of force, moments and couples * Various type of system of forces 	13/01/18
02	Engineering Mechanics	1170 - VENKATESH	<p>Varignon's and Lamis Theorem</p> <ul style="list-style-type: none"> * Application of Virginia's and James theorem * Free body diagram of bodies under equilibrium; * Condition of equilibrium. 	13/01/18
03	Engineering Mechanics	1173 - SONU KUMAR	<p>Virtual work</p> <ul style="list-style-type: none"> * Concept of virtual work in Mechanical work. * Calculation of Active force diagram * Calculation of deflection on various beam using virtual work. 	20/01/18
04	Engineering Mechanics	1176 - PRATYUSH YANIK	<p>Centroid and moment of ninesies</p> <ul style="list-style-type: none"> * Concept of centroid and centre of gravity * Moment of inertia using parallel axis theorem * Moment of inertia using perpendicular axis theorem * Radius of Gyration 	20/01/18
05	Engineering Mechanics	1178 - TIRUPATI NEERJA	<p>Calculation of Centroid and moment of inertia</p> <ul style="list-style-type: none"> * Calculation for I - Section. * Calculation for T - Section. * Calculation for L - Section 	20/01/18

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
06	Engineering Mechanics		<p>Lifting Machines</p> <ul style="list-style-type: none"> * Fundamental of lifting Machines. * Reversibility of Machine. * Law of Machines. <p>System of Pulley's</p> <ul style="list-style-type: none"> * Simple wheel and axis * Wheel and differential axis * Weston's different pulley <p>Application of lifting Machine</p> <ul style="list-style-type: none"> * To increase velocity ratio * To improve efficiency * To decrease the load and effort <p>Friction</p> <ul style="list-style-type: none"> * Various types of Friction * Advantage and disadvantage of friction * Application of friction on Aircraft tyres <p>Friction on Loader and wedge</p> <ul style="list-style-type: none"> * Variation of friction on ladder. * Load and angle of friction on Ladder * Friction on wedge shape surface <p>Belt drive</p> <ul style="list-style-type: none"> * Various type of belt drive. * Method to increase velocity ratio * Effect of ship on velocity ratio. 	
07	Engineering Mechanics			
08	Engineering Mechanics			
09	Engineering Mechanics			
10	Engineering Mechanics			
11	Engineering Mechanics			

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
12	Engineering Mechanics	1185 - VARUN VAID	Power transmission by belt drives <ul style="list-style-type: none"> * Ratio of tensions and power by flat belt drives * Ratio of tensions and power by V belt drives. 	20/01/18
13	Engineering Mechanics	1190 - RAHUL SAINI	Kinematics of particles and Rigid bodies <ul style="list-style-type: none"> * Type of motion * Rectangular components of velocity acceleration. * Difference between angular and transverse velocity and acceleration. 	27/01/18
14	Engineering Mechanics	1194 - ANIL KUMAR	Law of Motion <ul style="list-style-type: none"> * Application of newton's law of motion. * Equation of motion in rectangular coordinate. * D alambert's principle application 	27/01/18
15	Engineering Mechanics	1201 - SRISTHI RAT	Work energy and power <ul style="list-style-type: none"> * Work due to force, weight and spring. * Principle of work and energy. * Power calculation for lifting and rolling weights. 	27/01/18
16	Engineering Mechanics	1202 - GARV DIXIT	Impulse and momentum <ul style="list-style-type: none"> * Principle of liner impulse and momentum. * Principle of angular momentum and impulse. * Conservation of angular momentum. 	27/01/18

<u>S.No</u>	<u>Subject</u>	<u>Name</u>	<u>Date of Seminar</u>
01	B.E.E.	1294-RAHAT	07-04-2018
02	B.E.E.	1297 - RITESH	07-04-2018