I-04, RIICO Industrial Area, Neemrana, Dist. Alwar, Rajasthan

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Thermodynamics	Abhinar Kumar (894)	Thermodynamics system	29-10-16
			 * Meaning of system * Types of systems * Basic concepts (Definitions understanding) * Control volume, states, cycle, process etc. 	
02	Thermodynamics	Abhinav Shuklar (896)	1st law of Thermodynamics	29-10-16
			 * Heat & work concept * Law of conservation * Understanding of 1st law along with definition or equation 	
03	Thermodynamics	Jigjanshu Kumar (298)	2nd law of Thermodynamics	29-10-15
		(898)	 * Definition of Law and equations * Different statements (Kelvin-plank, clauses) * Relation with 1st law * Operation in daily life 	
04	Thermodynamics	Aman (900)	Heat Engine V/S Heat pump	29-10-16
			 * Definition along with block diagrams * Difference B/W the working principle of both * Example from day to day life 	,

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Thermodynamics	mayank Razdan (901)	Law supporting a perfect Gas Equations for perfect Gas Difference b/w perfect Gas, Ideal Gas and other Gases Ideal Gas equation of states	29-10-16
06	Thermodynamics	sudhakar A. (891)	Pure substance & Equilibrium * P-V, T-S Diagrams * What do you mean by pure substance & Equilibrium * How to attain Equilibrium * Vapur-liquid-solid phase equilibrium (Explain)	27-8-16
07	Thermodynamics	AKash malick (904)	* What do you mean by Energy and Energy * Difference between these two * Available and unavailable energy	27-8-16
08	Thermodynamics	Ritesh Kumar (913)	 Mathematics relations of Thermodynamics * Explain different type of relation - Maxwell Relation - Tds Relations - Chaperon Relation * Their importance and need in Thermodynamics 	27.8~16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
09	Thermodynamics	Magri mond. (936)	Explain different types of flow, associated with thermodynamics Their properties, difference b/w them (steady flow, non-steady flow)	27-8-16
10	Thermodynamics	Shyam Sundar (924)	Different types of cycle (part-1) * Explain the different cycle with (p-v, t-s diagram) * Brayton cycle * Stirling cycle * Arccosine cycle	27-8-16
11	Thermodynamics	Fahim Ul Islam (954)	Different types of cycle (part-II) * Explain different cycle with (p-v, t-s diagram) * Otto cycle * Diesel cycle * Atkinson cycle	10-9-16
12	Thermodynamics	Pankey Kumer (906)	* Definition of IC & EC Engine * Different between them * Uses * Properties	10-9-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
13	Thermodynamics	Radhey Shyam (907)	Two stroke v/s four stroke engine * Meaning of two stroke & four stroke * Difference * Properties * Advantage & Disadvantages	10-9-16
14	Thermodynamics	mobile (908)	Patrol v/s Diesel Engine * Meaning of Patrol & Diesel Engine (two & four stroke) * Working principle * Advantage & Disadvantage * Performance & capacity	10-9-16
15	Thermodynamics		* Explanation or working principle * Explanation of figure, p-v, t-s, h-s graphs * Performance & capacity	10-9-16
16	Thermodynamics	Raktim (911)	* What do you mean by Reheat cycle * Working Principle * Figure, graphs,. Explanation * Advantages and Disadvantage over other cycles	10-9-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Advanced Engineering Mathematics	AKhil S. Pappu (864) Diwan Kumar (831)	Laplace Transform * Introduction * Definition	127-9-2016
		(031)	 * Linearity property * Laplace Transform of some elementary function * Transform of discontinuous function * First shifting property * Heaves ides's shifting theorem * Change of scale property 	16-8-2016
02	Advanced Engineering Mathematics	Yash Verma (833) Yogesh Damor (867)	* Definition * Linearity property * First shifting property * Second shifting property * Change of scale property * Use of partial fractions in L-T * Inverse Laplace transform of derivative - Multiplication by p - Division by p * Convolution theorem - Statement * Application of Laplace transformation to solve differential equations	06-2-2016

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
03	Advanced Engineering Mathematics	Gurukirat Singh (870) Manish Kumar Rai (834)	* Introduction * Periodic functions * Even and odd function * Euler's formulae - Directly's condition * Fourier series for discontinuous functions * Change of Interval * Half range series * Harmonic analysis - Introduction - Application of harmonic analysis	17-9-2016
04	Advanced Engineering Mathematics	samarth Tiwari (875) shivam Bajtani (835)	Partial differential equation and its application * Introduction * Order and degree of differential equation * Solution of partial differential equation * Formation of partial differential equation * Application of partial differential equations - Introduction - Method of separation of variables.	24-9-2016

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Advanced Engineering Mathematics	Surinder Singh (876) Yash Mahinder (838)	Introduction of one dimensional wave and heat equation * Introduction * Solution of the wave equation * Apply initial and boundary conditions * Introduction one dimensional heat flow * Solution of the heat equation * Apply initial and boundary conditions	24-9-2016
06	Advanced Engineering Mathematics	Kashish Madan (879) Ashu Dubey (947)	Introduction of Laplace equation * Introduction of Laplace equation - Potential theory - Harmonic functions * Definition of rectangular boundaries and circular boundaries * Solution of Laplace equation - Solution of Laplace's equation in Two-dimensional Cartesian form - Solution of Laplace's equation in polar coordinators * Application of Laplace equation in physics and engineering	24-9-2016

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
07	Advanced Engineering Mathematics	Sanjay K. Singh (880) Aditya K. Ponday (248)	Introduction of series solution and special functions * Introduction * Definition - Power series - Analytic function - Ordinary point - Regular and Irregular singular points	15-10-16
			 * Introduction of important differential equations - Bessel's differential equation - Solution of Bessel's equation - Series representation of Bessel functions - Recurrence relations for Jn (x) - Generating functions for Jn (x) - Integral form of Bessel's function 	
			 * Equations reducible to Bessel's equation * Modified Bessel's equations * Orthogonality Bessel's functions 	
08	Advanced Engineering Mathematics	Shubham Mishra (881) Tarun (953)	, ,	13-10-16
			 * Generation function for Pn (x) * Discussion of recurrence relations * Orthogonality of Legendry polymelias 	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
09	Advanced Engineering Mathematics	manoj Kumar (882) Preet Hilesh (854)	Introduction of Redirect's formula * Definition * Using Rodrigue's formula to get Legendre's polynomials * Orthogonality of Rodrigue's * Recurrence relations * Beltram's result	15-10-16
10	Advanced Engineering Mathematics	Sadab Alam (256) ARKa Y. (857)	Introduction of solution of Nonlinear equations * Introduction * Introduction Bisection Method * Method of false position * Convergence of regula-falsi method * Introduction of Newton-Raphson method * Convergence * Order of convergence * Geometrical interpretation	13-8-16 22-10-16
11	Advanced Engineering Mathematics	Sonali (858) Craurar Sharmar (877)		13-8-16 22-10-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
12	Advanced Engineering Mathematics	51'm ran (866) Pranjal (939)	Introduction of Newton's formulae for Interpolation * Newton's Gregory forward Interpolation formula * Newton's Gregory backward Interpolation formula * Interpolation by unevenly spaced points - Lagrange's Interpolation formula - Newton's divided difference Interpolation formula.	20-8-16
13	Advanced Engineering Mathematics	Purva (868) Pradeep K. (945)	Introduction of numerical solution of simultaneous algebraic equation. * Introduction * Types of method to solve such kind of equation - Direct methodsTriangularization method - Interactive methodsCauses-sidle iterative method.	20~8-16
14	Advanced Engineering Mathematics	shreyash (883) Aman (946)	Numerical differentiation and Integration . Numerical differentiation Newton's forward difference Interpolation formula. Newton's backward difference Interpolation formula.	20-8-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
			 Stirling central difference Interpolation formula Numerical Integration Newton's-cote's Quadrature formula Trapezoidal rule (n=1) Simpson's one-third rule (n=2) Simpson's three-Eight rule (n=3) 	
15	Advanced Engineering Mathematics	Ashish Kumar Das (885) Krishna Kant (952)	Introduction to ordinary differential equations * Introduction * Initial value and boundary value problems * Single step and multistep methods. * Numerical methods of solution of O.D.E. - Picard's method of successive approximations - Euler's method - Improved Euler's method - Modified Euler's method - Fourth-order Runge-Kutta method	20-8-2016

-04, RII	CO Industrial A	rea, Neemrana, Dist. Alw	var, Rajasthan mr. Pawan Kumar Singh	B.Tech. Semester -3
S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Object Oriented Prog. in C++	NixhiL Jasrotia Abhishek Mi (9:37)	Object oriented Languages * C++ * Smallt talk * Charm ++ * Java	10/9/16
02	Object Oriented Prog. in C++	puwit fundwal Kranthi (938)	* Office Automatic software * Artificial Intelligence & Experts system * CAD/CAM Software	15/10/2016
03	Object Oriented Prog. in C++	lovely Shavaa Mayur P. (940)	Components of objects oriented programming Object Class Data abstraction & Encapsulation Inhentance Polymorphism Dynamic Binding Message Passing	10/9/16
04	Object Oriented Prog. in C++	Punit (887)	Memory management operators * Malloc(), calloc(), Realloc() & free() * New 4 deleted operated	22-10-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Object Oriented Prog. in C++	Yash Dinesh (888)	Functions * Inline function * Friends function	22-10-16
06	Object Oriented Prog. in C++	Priyam Mittal (889)	Overloading * Operated overloading * Function overloading * Binary & binary operated	22-10-16
07	Object Oriented Prog. in C++	Annol Ahlu- walia (902)	Construction & distructor * Inline constructor * Parametensed constructed * Copy constructed	10-9-16
08	Object Oriented Prog. in C++	sagar Chaudhary (903)	Type Corression * Basic to class type * Class type to basic type * Class type to another class type	10-9-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
09	Object Oriented Prog. in C++	Jay shree K.	Polymorphism * Runtime Polymorphism * Compile time Polymorphism	10-9-16
10	Object Oriented Prog. in C++	p. sri (920)	Interistance * Private, protected & public * Classification of interitance	24-9-16
11	Object Oriented Prog. in C++	Karri Santosh (921)	Pointers * Basic class pointer * Base class objects * Desired classobjecte	24-9-16
12	Object Oriented Prog. in C++	Pontapoli 6. (922)	Application with files * File stream classes * Steps of file operators	24-9-16
13	Object Oriented Prog. in C++	Crideon John (927)	Template * Need of template * Class template * Function template	24-9-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
14	Object Oriented Prog. in C++	Anurag Kundu (928)	* Principle of exciption handing * Keywords of Ecception handling * Exception handsing Mechanism	24-9-16
15	Object Oriented Prog. in C++	Ayush man (929)	* Interator * Algorithm * Containers	24-9-16
16	Object Oriented Prog. in C++	Zafar Heider (951)	About ANSI & Turbo C++ * Innovative data types * New type casting operators * Name space scope	24-9-16
17	Object Oriented Prog. in C++	sandhya (933)	Data structure * Stack * Qucue * Linkid list	15-10-16

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S.No Subject	Name of Student	Seminar Topic	Date of Seminar
18 Object Oriented Prog. in C++	Karthik G.P. (935)	C++ & Memory * Tiny * Small * Medium * Compact * Large * Huge	15-10-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Manufacturing Processes		Importance of Manufacturing * Economic definition of manufacturing * Technological definition of manufacturing * Survey of manufacturing process	27-8-2016
02	Manufacturing Processes	Rohit K. Saini (859)	Foundry Technology * Pattern practices * Types of patterns * Allowances & materials * Moulding sand * Sand testing	27-8-2016
03	Manufacturing Processes	_	* Green moulding * Dry and loam moulding * Pit and floor moulding * Permanent moulding * Carbon dioxide moulding	
04	Manufacturing Processes		* Fundamental of metal casting * Types of casting * Casting alloys * Casting defects * Design of casting	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Manufacturing Processes		 Metal joining process * Introduction * Types of joints * Soldering * Brazing * Adhesive bonding 	
06	Manufacturing Processes		* Principle of welding * Classification of welding * Types of welding - Arc welding - Gas welding - Resistance welding	
07	Manufacturing Processes		* Atomic hydrazone * Ultrasonic * Plasma and laser * Electron beam * Explosive welding	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Manufacturing Processes		Forming processes * Elastic & plastic deformation * Concept of strain hardening * Hot and cold working	
09	Manufacturing Processes		* Rolling * Rolling principle * Extrusion * Wire and tube drawing	
10	Manufacturing Processes		* Method of forging * Forging hammers and presses * Principle of forging tools design * Forging operations	
11	Manufacturing Processes		* Shearing, drawing * Squeezing, blanking * Piercing, deep drawing * Coining and embossing	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
12	Manufacturing Processes		* Powder manufacturing * Mechanical pulverization * Properties of metal powders * Compacting of powders sintering * Advantages and application	
13	Manufacturing Processes		* Introduction * Subtractive processes * Additive processes * Virtual prototypes * Applications	
	Manufacturing Processes		* Introduction * Classification of plastic * Ingredients of moulding compounds * General properties of plastics	

I-04, RIICO Industrial Area, Neemrana, Dist. Alwar, Rajasthan

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
15	Manufacturing Processes		Plastic part manufacturing processes * Compression moulding * Transfer moulding * Injection moulding * Extrusion moulding * Blow moulding etc.	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Mechanics of Solid	Parus Sureshbai paper (830)	* Types of stress and strain * Explain thermal stress * Shearing stress and strain * Linear Elasticity	618116
02	Mechanics of Solid	Vinay Kuman (832)	* Hooks law for isotropic material * Yield points * Ultimate and breaking stress * Factor of safety * Poison ratio * Equation of equilibrium (static)	6/8/16
03	Mechanics of Solid	Vinay Kuman (836)	* Calculation of stress in single solid bar * Calculation of stress in multi stepped bar * Free body diagram for composite bars.	6 8 16
04	Mechanics of Solid	Nitin (839	Stress on undenied plane Normal stress calculation Principle plane angle calculation Difference b/w principal and normal stress	13/8/16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Mechanics of Solid	Akshey Anand (840)	* Tension and compression stress calculation * Principle stress and strain * Stress and strain transfer nation concept equivalent bending and twisting motion	13/8/16
06		Pathan Fardinkhan Samiullakhan (844)	* Shear strain theory * Von misses theory * Strain energy theory	13/8/16
07	Mechanics of Solid	himanghu pramod Kuman gawa. (849)	Shear force and bending moment diagram * Types of beam * Types of lateral load * Types of support * Equilibrium condition * Relation b/w shear forces and bending moment	2018/16
08	Mechanics of Solid	Vidhan Vivek Kokane (850	* Cantilever with point local * Cantilever with uniformly distributed local * Simply supported beam with point load * Simply support beam with U.D.L	208/16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
09	Mechanics of Solid	Sai Siva ganes» Bezawada (852	* Members subjected to flexural load * Theory of simple bending * Moving load concentration * Load distribution pattern	2018/16
10	Mechanics of Solid	Metan Jaju (912)	* Equation of bending * Bending stress calculation for I section * Bending stress calculation for T section * Bending stress calculation for Z section	17-9-16
11	Mechanics of Solid	chinnay seth	* Shear stress equation * Vacation of shear stress * Shear stress analysis for I section * Shear stress analysis for T section	17-9-16
12	Mechanics of Solid	Prabudha Chakra borty (915)	* Strain energy in bending * Strain energy in Torsion * Strain energy in shear * Strain energy in Torsion * Strain energy in Torsion * Strain energy in Compression	17-9-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
13	Mechanics of Solid	Priyanka T. (916)	Torsion in shaft * Torsion equation * Variation torsion with twisting angle * Torsion in solid & hollow shaft * Power transmission equation	17-9-16
14	Mechanics of Solid	Sumeer K. (918)	* Types of column * Fixities condition of column * Crippling and bucking load * Euler formulae * Equivalent length	17-9-16
15	Mechanics of Solid	Bodala Vishal (919)	* Bucking stress for both and pin condition * Bucking stress for one end pin other fixed * Bucking stress for both and fixed * Bucking stress for acentric loading (Rankine formula)	(7-9-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Material Science and Engineering		A atomic structure of Metals * Crystal structure * Crystal lattice - BCC - FCC - HCP	
02	Material Science and Engineering		* Miller indices - Atomic planes - Directions * Polymorphism and allotropy * Crystal imperfection	
03	Material Science and Engineering		Theories of plastic deformation * Slip phenomenon * Twinning & dislocations * Identification of crystallographic possible slip planes * Direction in FCC, BCC, HCP	
04	Material Science and Engineering		Recovery and recrystallization * Recovery * Recrystallization * Preferred orientation causes Effects on the property of metal	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Material Science and Engineering		* Classification * Solidification of metals * Solidification of some typical alloys	
06	Material Science and Engineering	-	Mechanism of crystallization * Nuclear formation * Crystal growth	-
07	Material Science and Engineering		* General principle of phase Transformation * Phase rule and equilibriums diagram * Equilibrium diagram of binary system * Binary isomorphous alloy system	
08	Material Science and Engineering		# Iron carbon * Phase Transformation * Transformation of austenite into pearlite * Martensite transformation in steel	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
09	Material Science and Engineering		* Engineering properties and their measurements * Principle & application of- annealing, hardening, normalizing, tempering	
10	Material Science and Engineering	·	# Its measures * Variables * Effecting hardenability * Methods for determination of hardenability	
11	Material Science and Engineering		* Heat treatment steel * Plain carbon steel * Cast irons * Non ferrous metals & alloys	
12	Material Science and Engineering		Chemical heat treatment of steels * Physical carburizing * Nitriding * Cyanidin * Carbo nitriding	,

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
13	Material Science and Engineering		* Alloying elements * Alloying elements * Silicon, Manganese * Nickel, chromium * Molybdenum, cobalt * Titanium & aluminium	
14	Material Science and Engineering		* Structure classes of steel * Classification of steel * BIS Standards	
15	Material Science and Engineering		* Various fibre and matrix materials * Basic composite manufacturing methods * Application of composite materials	