School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Aircraft structure-II	Hari Krishna (564)	Unsymmetrical Bending * Principle axis method * Neutral axis method * Bending stress of Z section. * Bending stress of L section	02/4/2016
02	Aircraft structure-II	Rahul Babu (568)	Bending stress calculation * Bending stress calculation using principle axis method. * Bending stress calculation using neutral axis method. * Bending stress calculation using K-Method.	02/4/2016
03	Aircraft structure-II	Mohit (571)	Application of unsymmetrical bending * Bending stress for mono spar and multispeed beam. * Bending stress distribution on stringer and ribs. * Design of lightening holes in wing structure.	02/4/2016
04	Aircraft structure-II	Amey (572)	Shear flow in closed section. * Concept of shear flow, ELastic axis shear centre. * Thin walled beam's analysis. * Calculation method of shear centre and shear flow.	02/4/2016
05	Aircraft structure-II	Manvendra (573)	Shear flow in thin walled bean * Shear flow of thin walked beam's in fuselage. * Shear flow of thin walled beam's in wing. * Shear flow of thin walled bean on tail plane unit.	02/4/2016

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
06	Aircraft structure-II	Vinay (578)	Shear flow in unsymmetrical bean section * Shear on flow in channel c section * Shear flow in angle L section. * Application in aircraft structure components.	02/4/2016
07	Aircraft structure-II	Vaghela (579)	Shear flow in closed section * Application of bredt-batho formula. * Bred batho for close Loops. * Calculation of shear flow in and on rectangular rings.	02/4/2016
08	Aircraft structure-II	Mayank (580)	Single and multi- cell structures * Concept of single cell and multicell structure. * Application of multicell structure. * Shear flow in single and multicell structure.	02/4/2016
09	Aircraft structure-II	Shivam (586)	Shear flow in single and multicell under bending * Shear flow due to bending. * Graphical representation of shear flow in multicell. * Concept of effective and in effective cell bending of walls.	16/4/2016
10	Aircraft structure-II	Adesh (587)	Buckling of plates. * Various condition of bucking and crippling stress. * Bucking of rectangular sheets under compression. * Application of short and long column.	16/4/2016

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
11	Aircraft structure-II	Akshay (588)	Needham's and Gerard's method. * Application of needham's method * Various end condition of needham's method. * Application of Gerard's method. * Calculation method for thin walled section.	16/4/2016
12	Aircraft structure-II	Anuj (592)	Thin walled column strength. * Calculation of stiffness strength on stiffnes plates. * Calculation of effective width. * Thermal post bucking of aircraft wing.	16/4/2016
13	Aircraft structure-II	Akash (594)	Stress Analysis in wing and fuselage * Stress distribution or wing surface (Different place) * Stress distribution over fuselage system * Concept of dension field bean (Wagner's type.)	16/4/2016
14	Aircraft structure-II	Tanya (598)	Shear and bending moment distribution. * Relation between shear force & bending moment. * Shear force and bending moment diagram's for cantilever and semi cantilever beam. * Application of condition and semi cantilever beam.	16/4/2016
15	Aircraft structure-II	Qubaar (599)	Loads on Aircraft. * Type of load acting on aircraft during flight condition. * Lift distribution pattern on different planform. * V-N diagram application. * Effect of gust load.	16/4/2016

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Aircraft Design	Abhishek (605)	Proposing and fuel system integration. * Introduction * Propulsion selection * Jet engine integration * Proper engine integration	16/4/2016
02	Aircraft Design	Hemam (606)	Landing gear geometry and arrangements * Introduction * Landing gear arrangements * Tire sizing * Shocking absorbers * Casting-wheel geometry * Gear retraction geometry	
03	Aircraft Design	Aneind (607)	Aircraft subsystem * Hydraulics * Electrical system * Pneumatic system * Auxiliary/Emergency Power * Avionics	
04	Aircraft Design	Nikunj (609)	Aerodynamic coefficients : * Introduction to lift and drag * Lift coefficient * Drag coefficient * Drag polar curves * Subsonic Lift-curve slope * Supersonic Lift-curve slope	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
			* Transonic Lift-curve slope * Non-liner lift effects * Maximum lift	
05	Aircraft Design	Krishan (610)	Loads on flight * Introduction * Loads categories * Air loads * Inertial loads * Power-Plant loads * Landing gear loads	
06	Aircraft Design	Preantika (618)	Types of drags acting on an aircraft * Introduction * Transonic drag rise * Skin friction drag * Wave drag * Interference drag * Parasite drag * Induced drag	
07	Aircraft Design	Fuldeep (621)	Airfoil selection in Aircraft design * Introduction * Airfoil selection procedures * Airfoil geometry * Leading edge radius * Selection of chord length and camber * Airfoil families	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
			- Early airfoils - NACA airfoils (4 digit , 5 digit, 6 digit) - Modern airfoils (Leaseman , Lieback , Super critical)	
08	Aircraft Design	Prashant (622)	Aircraft design process * Introduction to aircraft design * Phases of aircraft design - Conceptual design phase - Preliminary design phase - Detailed design phase * Mission profiles/ requirements for design initiation * Wing design process * Engine sizing	
09	Aircraft Design	Upender Reddy (623)	Aircraft weight estimation * Introduction * Gross take - off weight estimation * Empty weight estimation * Fuel-fraction estimation * Fuel fraction calculation based on mission segments.	
10	Aircraft Design	Rahul (626)	High lift devices * Introduction * Lift augmentation devices * Flaps and its types * Slots and its types	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
			* Slats and its types * Role and mechanism of working of high lift devices * Role of high lift devices during landing and take - off	
11	Aircraft Design	Shashikant (628)	Boundary layer formation and control * Introduction to boundary layer * Boundary layer formation * Boundary layer thickness * Velocity profiles within boundary layer * Boundary layer separation * Flow reversal Boundary layer control - Boundary layer suction - Boundary layer blowing	
12	Aircraft Design	Preenjeet (630)	Wing planforms in aircraft design * Introduction * Types of wing planforms * Rectangular wings * Elliptical wing theory * Tapered wings for elliptical lift distribution * Dihedral wings * Endaural wings * Swept back wings * Swept forward wings * Delta wings (For high speed performances)	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
13	Aircraft Design	Saumya (633)	VTOL aircraft design * Introduction * VTOL terminology * Fundamental problems of VTOL design * VTOL jet propulsion options * Vectoring nozzle types * VTOL propulsion considerations * Weight effects of VTOL * Sizing effects of VTOL	
14	Aircraft Design	Chirag (634)	Aircraft flight controls * Introduction * Aircraft Lateral , longitudinal and vertical axis * Aircraft moments - Pitching moment - Yawing moment - Rolling moment * Flight controls - Pitching moment control using elevators - Yawing moment control using rudder - Rolling moment control using ailerons	
15	Aircraft Design	Kavya (636)	Aircraft engine controls * Introduction * Basic controls and indicators - Master switch - Throttle - Propeller control	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
			- Mixture control - Ignition switch - Tachometer - Manifold pressure gauge - Oil temperature gauge - Oil pressure gauge * Fuel - Fuel primer pump - Fuel quantity gauge - Fuel select valve - Fuel pressure gauge - Fuel boost pump switch * Cowl - Cowl flap position control - Cylinder head temperature gauge	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Computational Fluid Dynamics	Rishi (640)	History and scope of CFD * Historical perspective with arising of need and invention * Current trends and areas of implementation * Future prospects	
02	Computational Fluid Dynamics	Rohit (644)	Brief overview of the governing equations of fluid flow * CFD is fluid dynamics with an adjective computational * Physical principles of fluid flow * Write the complete Navier Stokes equations * Write the equations for unsteady two dimensial inviscid flow. * Some comments on the governing equations	
03	Computational Fluid Dynamics	Siddarth (645)	Discretization * Meaning * Requirement * Types * Differences between FDM, FVM and FEM, giving advantage and limitations.	
04	Computational Fluid Dynamics	Sumeet (647)	Unstructured grides- scope and future * Definition, explain difference from structure grides * Areas of application * Types of discretization suitables for these * Advantage and applications areas * Future	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Computational Fluid Dynamics	Vibhu (648)	Numerical methods * Needs for numerical methods * Areas of applications of such methods * Relevance to computational fluid dynamics * Importance of algorithms	
06	Computational Fluid Dynamics	Shubham (649)	Experimental approach VS theoritical approach to fluid dynamics * Historical perspective giving meaning of the above terms * Advantage and limitations of both approachs	
07	Computational Fluid Dynamics	Ashish (655)	Physical experiment VS numerical experiments * Meaning of the terms * Pros and cons	
08	Computational Fluid Dynamics	Akanshi (658)	Boundary conditions and Intial conditions in CFD * Meaning * Requirements * Examples	
09	Computational Fluid Dynamics	Reena (657)	Basis of finite volume methods * Advantages * Applications * Some theory	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
10	Computational Fluid Dynamics	Gopal (661)	Basis of finite elements method * Some theory explaining the meaning * Applications * Advantages	
11	Computational Fluid Dynamics	Dinesh (662)	Tranctation errors and consistency * Definition with examples	
12	Computational Fluid Dynamics	Rupesh (677)	Maccoarmark scheme * Explanation with examples	
13	Computational Fluid Dynamics	Vinay (678)	Vecrtar and parallel computing * Definitions * Comparison * Areas of applications	
14	Computational Fluid Dynamics	Vipin (680)	Grid generation * Meaning * Methods like algebraic and PDF based * Need and applications	
15	Computational Fluid Dynamics	Ankit (689)	FDM applied to linear advnection * Conservation law * Meaning of convertion and diffusion * Derivation of convection diffusion equation	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Aerodynamics-I	Abhinish (690)	The standard Atmosphere * International Standard Atmosphere * Structure of Atmosphere * Composition related layers * Temperature related layers * Troposphere * Stratosphere * Mesosphere * Thermosphere * Exosphere * Ozone layer * Radiation related layers	
02	Aerodynamics-I	Divakar (698)	Altitude * Temperature Altitude * Pressure Altitude * Density Altitude * Geo-potential Altitude * Geometric Altitude * Homogenous Atmosphere * Hetrogenous Atmosphere * Lower Atmosphere * Middle Atmosphere * Upper Atmosphere * Physical Atmosphere	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
03	Aerodynamics-I	Durgesh (703)	Viscous Flow * Laminar Flow * Transition * Turbulence Flow * Renolds number * Shear stress in Laminar Flow * Laminar flow over flat plate * Newton's law of viscosity * Flow separation due to viscosity * Turbulent flow over flat plate * Shear stress in Laminar flow	
04	Aerodynamics-I	Rahul (567)	Boundary Layer * Laminar Boundary layer * Boundary layer thickness * Displacement Thickness * Momentum Thickness * Energy Thickness * Momentum Integral equation * Prandtl mixing length concept * Turbulent boundary layer thickness * Skin friction coefficient * Drag force calculation in Laminar boundary layer * Drag force calculation in turbulent boundary layer.	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Aerodynamics-I	Diwaker (569)	Generation of lift Basic concept * Uniform flow * Stream function & Potential function * Source & Sink flow * Stream function and potential function of source flow * Stream function and potential function of sink flow * Combination of source and sink flow (Doublet flow) * Stream function and potential function of doublet flow * Vortex flow and stream function vortex flow * Combination of uniform and doublet flow * Stream function and potential function of combine (uniform + doublet) flow	
06	Aerodynamics-I	Ujjwal (570)	Flow over non lifting & lifting cylinder * (Uniform + Doublet) flow * Stream function and potential function * Radial velocity at radius R. * Angular velocity at radius R. * Pressure distribution over non-lifting cylinder * (Uniform + Doublet + Vortex) flow * Stream function & Potential function * Radial velocity at radius R. * Angular velocity over lifting cylinder.	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
07	Aerodynamics-I	Gaurav (576)	Generation of lift (Joukroski Theorem) * Joukroski Circulation theory * The Kutta condition * Joukowski Transformation * Transform circle into straight line * Transform circle into symmetrical airfoil * Transform circle into cambered airfoil	
08	Aerodynamics-I	Rakshit (577)	Thin Airfloil Theory -Flat Plate * About thin Airfloil * Thin Airfloil equation for Flat Plat * Lift coefficient * Lift slope * Moment coefficient about near by edge * Moment coefficients about generator chord point * Aerodynamic center	
09	Aerodynamics-I	Rishabh (589)	Thin Airflow Theory for Cambered airfloil * General thin airfoil equation * Cambered thin airfoil equation * Lift coefficient * Induced angle of attack * Lift slope * Moment coefficients about generator chord point * Aerodynamic centre	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
10	Aerodynamics-I	Mohd. Aashif (590)	Infinite & Finite wing * Infinite wing * Lift calculation for Infinite wing * Drag calculation for Infinite wing * Moment calculation for Infinite wing * Finite wing * Lift calculation for finite wing * Drag calculation for finite wing * Induced angle of attack	
11	Aerodynamics-I	Nigamanand (593)	Lifting line theory * Down wash * Effective angle of attack * Vortex line * Vortex filament * Bond vortex * Horse shoe vortex * Lifting line * Bio-savart law * Elliptical lift Distribution	
12	Aerodynamics-I	Braj Bhushan (596)	Low Speed wind Tunnel * Open circuit wind tunnel * Close circuit wind tunnel * Blow down type wind tunnel * Suction type wind tunnel * Efusserr design * Test suction design * Throat tunnel design * Diffuser design * Driving unit	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
13	Aerodynamics-I	Baritosh (597)	High speed wind tunnel * Blow down type wind tunnel * Induction type wind tunnel * Advantage & Disadvantage of blow down wind tunnel * Advantage & Disadvantage of Induction type wind tunnel * Intermittent type supersonic wind tunnel * Continues type supersonic wind tunnel * Effect of second throat in supersonic wind tunnel	
14	Aerodynamics-I	Naveen (602)	Flow visualization Techniques * Smoke generator method * Chemical coating method * Interferometer method * Schlieren and shadow graph method * Hot-wire Anemometer to measure velocity	
15	Aerodynamics-I	Santosh (604)	Wind Tunnel Balance * Basic feature of wire-type of balance * How to measure the Aerodynamic forces by wire-type balance * Basic feature of strut-type balance * How to measure the Aerodynamic forces by strut-type balance * Basic feature of platform type balance * How to measure the Aerodynamic forces by platform type balance * Basic feature of strain gauge type balance * How to measure the Aerodynamic forces by this method	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Digital Techniques	Rishabh (608)	The octal number system * Importance of octal system * Octal to binary conversion * Binary to octal conversion * Octal to decimal conversion * Decimal to octal conversion * Octal arithmetic * Application	
02	Digital Techniques	Rahul (612)	Binary codes * Verification of binary codes * BCD system * BCD addition * BCD subtraction * XS-3code * Gray code * User detecting codes * Error correcting codes	
03	Digital Techniques	Sapna (614)	Boolean algebra * Introduction * Logic operations - AND - OR - NOT - NAND - NOR - XOR & X-NOR * Laws of boolean algebra * Applications	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
04	Digital Techniques	Akash (615)	Karnaugh map * Introduction * Basic diagram * 2 variable & 3 variable K-Map * SOP expression * POS expression * Applications	
05	Digital Techniques	Mansi (619)	Quite- Mc-cluskey method * Introduction to the method * Decimal representation * Don't care * Prime implicant chart * The branchingmethod * Applications	
06	Digital Techniques	Rajiv (625)	Adders * Introduction to adders * Design procedure * The half adder * The full adder * Applications	
07	Digital Technique	Imran (627)	Subtracters * Introduction to subtracters * Design procedure * The half subtracter * The full subtracter * Applications	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Digital Technique	Akhil (629)	Code convertors * Introduction * Design of 4 bit binary to gray code convertor * Design of a 4 bit binary to BCD Code converter * Design of 4 bit BCD to XS-3 code converter * Applications	
09	Digital Technique	Sameer (632)	Parity Bit Generation * Introduction * Parellel parity bit generator for harning codes * Design of or Even parety bit generator for a 4 * Basic 2 i/p MUX * 4 i/p MUX * Applications of MUX	
10	Digital Technique	Adil (635)	Comparators * Introduction * 1-Bit magnitude comparator * 2-Bit magnitude comparator * 4-Bit magnitude comparator * IC Comparator * Application	
11	Digital Technique	Aman (637)	Encoders * Introduction * Block diagrams * Equations * Octal to Binary encoders * Decimal to BCD Encoders * Application	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
12	Digital Technique	Abhishek (658)	Decoders * Introductions * 3 to 8 Decoder * Enable input * BCD To decimal decoder * 4 to 16 decoder * Decoder application	
13	Digital Technique	Hemant (651)	Multiplexers * Introduction * Data selectors * Diagrams * Basic 2 i/p MUX * 4 i/p MUX * Applications	
14	Digital Technique	Rahul (654)	Hip Hop * Introduction * Classification of ieguential circuit * Hip-Hop operation characteristics * Conversion of hip hops * Application	
15	Digital Technique	Punit (658)	Shift Registers * Introduction * Buffer Register * Controlled Buffer register	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
16	Digital Technique	Monika (659)	* SISO * PISO * SIPO * PIPO * Applications of shift registers Counters * Interoduction * Asynchronous counters * Design of Asynchronous counters * Synchronous counter * Design of synchronous counters * Applications	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student .	Seminar Topic	Date of Seminar
01	Mechanics of composite materials	Gaurav (660)	Classification of composites * Introduction * Classification criteria's * Difference * Adavantage/Disadvantage	
02	Mechanics of composite materials	Rohit (665)	Different types of fibers * Explain different types of fibers * Their properties * Surface treatment of these fiber * Advantage /uses	
03	Mechanics of composite materials	Kundan (666)	Matric material * Introduction * Different types * Composition/ manufacturing * Properties * Advantage/disadvantage	
04	Mechanics of composite materials	Mayank (667)	Manufacturing process 1st part * Introduction * Basic requirements of manufacturing methods * Explain - Open mould method - Continous method	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Mechanics of composite materials	Kushagra (669)	Manufacturing process part-II * Introduction * Explain various types of "closed mold methods in detail"	
06	Mechanics of composite materials	Shailendra (671)	Unidirectional composites * Introduction * Properties * Advantage/Disadvantage	
07	Mechanics of composite materials	Gaurav (679)	Properties of composites part-1 * Explain the following for unidirectional composites * Volume Traction * Desity * Longitudnal strength & stifness * Factor affecting these properties	
08	Mechanics of composite materials	Priyatam (682)	Properties of composites part-2 * Explain the following for unidirectional composites * Transverse strength & stifness * Shear modulus & strength * Poisson's ratio	
09	Mechanics of composite materials	Nitesh (684)	Orthotropic lamina/composite * Introduction * Engineering constant & its relation with stiffness coefficients. * Strenght of orthotropic * Failure theories.	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
10	Mechanics of composite materials	Sandeep (686)	Laminated composites * Analysis, Introduction * Lamination & delamination * Its requirement * Advantages * Properties like stress & strain	
11	Mechanics of composite materials	Pushpraj (687)	Properties of laminates * Explain the following regarding laminates * Thermal & Moisture expansion * Mass diffusion * Transport properties * Isotropic analysis	
12	Mechanics of composite materials	Mohit (695)	Short fibre composites * Introduction * Explain - Advantage fibre - Stress - Strength - Short fibre - Stress, strength - Interlaminar shear - Fracture Toughness	

School of Aeronautics (Neemrana)

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

B.Tech. Semester -6

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
13	Mechanics of composite materials	Ashish (697)	Maintenance of composites * Classification of damage * Inspection * Repair operation * Repair procedure	
14	Mechanics of composite materials	Praveen (700)	Various structure & precautions * Type of structure - Laminate - Honey comb - Sandwich * Light protection * Painting of composites	
15	Mechanics of composite materials	Arpita (701)	Quality control, application & advantage of composite over metal& alloys	