

# School of Aeronautics (Neemrana)

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


AME Semester-1

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Human Factors	NEERAJ (1159) <i>Neeraj</i>	Fundamentals of Human Factors <ul style="list-style-type: none"><li>* Definitions of H.F.</li><li>* Need to take H.F. in account</li><li>* Incidents attrihntable to HF</li><li>* Murphy law</li><li>* Examples from general life</li></ul>	12-08-17
02	Human Factors	SHUBHAM SHRIVASTAVA (1160) <i>Shubham</i>	Fundamental of human error <ul style="list-style-type: none"><li>* Definition of H.F.</li><li>* H.E. in general life</li><li>* H.E. in aviation</li><li>* Application of Murphy law</li><li>* Example from aviation</li></ul>	12-08-17
03	Human Factors	RENU (1161) <i>Renu</i>	Human limitations <ul style="list-style-type: none"><li>* Vision</li><li>* Hearing</li><li>* Information processing</li><li>* Attention</li><li>* Memory</li></ul>	12-08-17
04	Human Factors	ROHIT PAL (1186) <i>Rohit Pal</i>	Perception of H.E. <ul style="list-style-type: none"><li>* Claustrophobia</li><li>* Physical access</li><li>* Vertigo</li><li>* Normal reach of human limits</li></ul>	12-08-17

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Human Factors	MD. SHAKHAWAT ALI (1248) Md. Shakhawat Ali Md. Shakhawat Ali 	Psychology  * Definition of Responsibility * Individual Responsibility * Group Responsibility * Peer * Team * Individual * Pressure * Working	16-09-17
06	Human Factors	VIJENDRA DAS (1269) vijendra Das	Social psychology  * Motivation * Demotivation * Culture issues * Management * Organization	16-09-17
07	Human Factors	ABHISHEK KUMAR (1271) Abhishek K.R.	Human Resource Development  * Definition of Human Resource * How to develop human resources? * Supervision * Leadership	16-09-17

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Human Factors	RAMANUJ KUMAR (1272) Ramanuj Kumar	Factors affecting performance <ul style="list-style-type: none"><li>* Introduction</li><li>* Fitness</li><li>* Health</li><li>* Stress</li><li>* Domestic Pressure</li><li>* Family responsibilities</li><li>* Work related</li><li>* Work related pressure</li></ul>	16-09-17
09	Human Factors	PRASHANT ORAON (1231)	Causes of performance deuteration <ul style="list-style-type: none"><li>* Time management</li><li>* Pressure due to deadlines</li><li>* Work load</li><li>* Underload</li><li>* Sleep</li><li>* Fatigue</li><li>* Alcohol</li><li>* Medication</li><li>* Drug abuse</li></ul>	21-10-17
10	Human Factors	RICHARD PANKAJ KIRO (1233)	Physical environment <ul style="list-style-type: none"><li>* Definitions</li><li>* Introduction</li><li>* Noise</li><li>* Fumes</li></ul>	21-10-17

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11	Human Factors	A SWAGAT KUMAR PATRO (1239) <i>Aswagat - the Patro</i>	<ul style="list-style-type: none"> <li>* Illumination</li> <li>* Climate</li> <li>* Temperature</li> <li>* Motion</li> <li>* Vibration</li> <li>* Working environment</li> </ul> Tasks	21-10-17
12	Human Factors	ARKAPRABHA DAS (1240) <i>Arkaprabha Das</i>	Communication <ul style="list-style-type: none"> <li>* Definitions</li> <li>* Upward communication</li> <li>* Downward communication</li> <li>* Side ways communication</li> <li>* Written communication</li> <li>* Verily communication</li> </ul>	21-10-17
13	Human Factors	ROHIT PAT SANJAY KUMAR (1187)	Workplace communication <ul style="list-style-type: none"> <li>* Inter and intra communication</li> <li>* Communication between teams</li> <li>* Keeping upto date</li> <li>* Dissemination of Information</li> </ul>	18-11-17



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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
14	Human Factors	HEMANT KUMAR (1191)	Error <ul style="list-style-type: none"><li>* Error Models</li><li>* Error Theories</li><li>* Types of error in maintenance tool</li><li>* Implications of errors</li><li>* Incidents</li><li>* Accidents</li><li>* Avoiding errors</li><li>* Managing errors</li></ul>	18-11-17
15	Human Factors	RAJAN SINGH (1198)	Hazards in workplace <ul style="list-style-type: none"><li>* Introduction of Hazards</li><li>* Definition of Hazards</li><li>* Recognizing Hazards</li><li>* Avoiding Hazards</li><li>* Dealing with Hazards</li><li>* Dealing with Emergencies</li><li>* Examples from Aviation Industry</li></ul>	18-11-17

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AME Semester-1

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Electronics Fundamental	SANJAY KUMAR (1187)	Semiconductor Physics <ul style="list-style-type: none"><li>* Introduction</li><li>* Types of Semiconductor</li><li>* Concept of doping</li><li>* Majority and minority carriers</li><li>* Application</li></ul>	19-08-17
02	Electronics Fundamental	HEMANT KUMAR (1191)	Semiconductor Diodes <ul style="list-style-type: none"><li>* Introduction</li><li>* Symbol</li><li>* Forward and reverse biased diode</li><li>* Diodes as a switch</li><li>* Applications</li></ul>	19-08-17
03	Electronics Fundamental	RAJAN SINGH (1198)	Half wave rectifier <ul style="list-style-type: none"><li>* Definition</li><li>* Principle of working</li><li>* Specifications</li><li>* Applications</li></ul>	19-08-17
04	Electronics Fundamental	ASHISH INDRA BHUSHAN PANDEY (1223)	Full wave rectifier <ul style="list-style-type: none"><li>* Introduction</li><li>* Centre tap full wave rectifier</li><li>* Full wave bridge rectifier</li><li>* Specifications</li><li>* Applications</li></ul>	19-08-17

ASWJ

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AME Semester-1

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Electronics Fundamental	RAJU KUMAR (1273) <i>Rajukumar</i>	Light Emitting Diode (LED)  * Introduction * Principle * Advantages and disadvantages * Applications	23-09-17
06	Electronics Fundamental	DEEPAKSHA (1283) <u>Deepaksha</u>	Zener Diode  * Introduction * Zener break down * V-I Characteristics * Applications	23-09-17
07	Electronics Fundamental	NEERAJ (1159) <i>Neeraj</i>	Bipolar junction Transistor (BJT)  * Introduction * Types of BJT * Configurations of BJT * Modes of operation * Transistor as an amplifier * Applications	23-09-17

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Electronics Fundamental	SHUBHAM SHRIVASTAVA (1160) Shubham	Field effect transistor (FET) <ul style="list-style-type: none"><li>* Introduction</li><li>* Types of FET</li><li>* Symbols</li><li>* Features of FET</li><li>* Advantages and disadvantages</li><li>* Applications</li></ul>	23-09-17
09	Electronics Fundamental	JAGADISH PRASAD SAHOO (1243) Jagadish Prasad Sahu	Silicon controlled rectifier (SCR) <ul style="list-style-type: none"><li>* Introduction</li><li>* Working of SCR</li><li>* V-I Characteristics of SCR</li><li>* Applications of SCR</li></ul>	28-10-17
10	Electronics Fundamental	RITESH KUMAR (1246) Ritesh Kumar	Feedback amplifiers <ul style="list-style-type: none"><li>* Definition</li><li>* Types of feedback</li><li>* Positive and negative feedback</li><li>* Advantages and disadvantages</li><li>* Applications</li></ul>	28-10-17



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11	Electronics Fundamental	MD. SHAKHAWAT ALI (1248) Md Shakhawat Ali	Oscillators <ul style="list-style-type: none"><li>* Introduction</li><li>* Principle</li><li>* Types of oscillators</li><li>* Limitations of oscillators</li><li>* Applications</li></ul>	28-10-17
12	Electronics Fundamental	VIJENDRA DAS (1269) vijendra Das	Power amplifiers <ul style="list-style-type: none"><li>* Introduction</li><li>* Load line concept</li><li>* Q-Point</li><li>* Types of power amplifiers</li><li>* Applications</li></ul>	28-10-17

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AME Semester-1

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Basic Aerodynamics	MOHD. AZARUDDIN (1228) mohamedazaruddin	Boundary layer & control devices  * Introduction to Boundary layer * Flow separation * Flow reversal * Boundary layer suction * Boundary layer blowing	26-08-17
02	Basic Aerodynamics	AYUSH MISHRA (1230) Ayush	Laminar & Turbulent flow over airfoils  * Introduction to Laminar & turbulent flows * Ronald's number * Laminar & Turbulent boundary layers * Laminar sub-layer	26-08-17
03	Basic Aerodynamics	PRASHANT ORAON (1231)	Forces acting on Aircraft  * Four forces (Introduction) * Condition of equilibrium * Difficulties in balancing the four forces * For tail plane aeroplane * For tail less aeroplane	26-08-17
04	Basic Aerodynamics	RICHARD PANKAJ KIRO (1233)	Generation of Lift & drag on aircraft  * Introduction * Bernoulli's theorem * Lift coefficient * Drag coefficient	26-08-17

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AME Semester-1

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	Basic Aerodynamics	RENU (1161) <u>Renu</u>	<ul style="list-style-type: none"> <li>* Lift/drag ratio curve</li> <li>* Stalling of airfoil</li> </ul> Anti-icing & deicing systems <ul style="list-style-type: none"> <li>* Introduction</li> <li>* Icing effects</li> <li>* Thermal anti-icing system</li> <li>* Pneumatic deicing system</li> <li>* Anti-icing using engine bleed air</li> </ul>	7-10-17
06	Basic Aerodynamics	ROHIT PAL (1186) <u>Rohit Pal</u>	Steady state flights performance <ul style="list-style-type: none"> <li>* Steady level flight</li> <li>* Pitching moment</li> <li>* Variation of speed in level flight</li> <li>* Attitude in level flight</li> <li>* Effect of weight on level flight</li> </ul>	7-10-17
07	Basic Aerodynamics	SANJAY KUMAR (1187)	Glide performance of aircraft <ul style="list-style-type: none"> <li>* Introduction</li> <li>* Gliding</li> <li>* Wrong airspeed effect of gliding</li> <li>* Effect of flaps on gliding</li> <li>* Gliding distance over ground</li> <li>* Effect of wind on gliding</li> <li>* Effect of weight on glide</li> <li>* Glide angle</li> </ul>	7-10-17

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	Basic Aerodynamics	HIEMANT KUMAR (1191)	Stall characteristics of A/C wings & vortex formation  * Lift formula & stall relationship * Effect of weight on the stall * Wing tip stalling * Methods of preventing tip stalling * Trailing edge vortices * Wing tip vortices	7-10-17
09	Basic Aerodynamics	ABHISHEK KUMAR (1271) Abhishek K.R.	Lift Augmentation devices  * Introduction * high lift devices * Slats, slots * Flaps, types of flaps * Action of flaps * Types of slats & slots	4-11-17
10	Basic Aerodynamics	RAMANUJ KUMAR (1272) Ramanis Kumar	Flight stability & Dynamics  * Static stability * Longitudinal stability * Lateral stability * Directional stability * Static margin & neutral point	4-11-17



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11	Basic Aerodynamics	RAJU KUMAR (1273) Raju Kumar	Wing Planforms <ul style="list-style-type: none"><li>* Introduction to Wing</li><li>* Types of wing planforms</li><li>- Rectangular wing</li><li>- Tapered wing</li><li>- Taper ratio</li><li>* Dihedral &amp; Endaural wings</li><li>* Low, mid &amp; high wings</li></ul>	4-11-17

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01	AWR	A SWAGAT KUMAR PATRO (1239) <i>A Swagath. Patro.</i>	Minimum equipment Lift (MEL)  * Introduction * Rules * Category of MEL repair items * MMEL	9-09-17
02	AWR	ARKAPRABHA DAS (1240) <i>ARKAPrabha DAS.</i>	Series C-1 defect reporting  * Introduction * Rules * Reporting * Defect delay * Engg. Statics reporting system	9-09-17
03	AWR	JAGADISH PRASAD SAHOO (1243) <i>Jagadish prasad S</i>	D-V Fuel consumption report of piston engine  * Introduction * Rule * Reporting to RAWO	9-09-17
04	AWR	RITESH KUMAR (1246) <i>Ritesh Kumar</i>	Series E-1 approved of organization  * Introduction * Rules * Category of approval * Scope of approval	9-09-17

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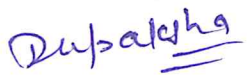

AME Semester

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	AWR	RAJAN SINGH (1198)	E-VI approval of fuel handling organizations  * Introduction * Rules * Approval procedure * Procedure of handling	14-10-17
06	AWR	ASHISH INDRABHUSHAN PANDEY (1223) Shwet	E-VIII approval of AME TRG. Organizations  * Introduction * Accountable manager * Rules * Application forms * Scope of approval	14-10-17
07	AWR	MOHD. AZARUDDIN (1228) Mohamed Azaruddin	H.1 Unusable fuel  * Introduction * Unusual fuel supply * Calculation of unusable fuel * Calibration of fuel gauge	14-10-17

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AME Semester

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08	AWR	AYUSH MISHRA (1230) 	H.2 fuelling procedure <ul style="list-style-type: none"><li>* Introduction</li><li>* Rules</li><li>* Fuelling procedure</li><li>* Equipment requirement</li><li>* Precautions</li><li>* Requirements of Refuel</li></ul>	14-10-17
09	AWR	DEEPAKSHA (1283) 	H.3 Fuel storage at airport <ul style="list-style-type: none"><li>* Introduction</li><li>* Fuel handling</li><li>* Fuel sample check procedure</li><li>* Barrel supply</li><li>* Precautions</li><li>* Approval</li></ul>	4-11-17
10	AWR	NEERAJ (1159) 	M-1 Modifications <ul style="list-style-type: none"><li>* Introduction</li><li>* Rules</li><li>* Mandatory modifications/Inspirations</li><li>* Procedure</li><li>* Precautions</li><li>* Documentation</li></ul>	11-11-17



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11	AWR	SHUBHAM SHRIVASTAVA (1160) <i>Shubham</i>	CAR-145 AMO [145.1 to A.15] <ul style="list-style-type: none"><li>* Introduction</li><li>* Purpose of CAR-145</li><li>* Scope</li><li>* Application</li></ul>	11-11-17
12	AWR	RIENU (1161) <i>Renu</i>	CAR-145 [A.20 to A.25] <ul style="list-style-type: none"><li>* Introduction</li><li>* Terms of approval</li><li>* Rules</li><li>* Application forms</li><li>* Facility requirement</li></ul>	<del>11-11-17</del> 11-11-17
13	AWR	ROHIT PAL (1186) <i>Rohit Pal</i>	CAR-145 [A.30 to A40] <ul style="list-style-type: none"><li>* Introduction</li><li>* Personnel Requirement</li><li>* Certifying staff</li><li>* Equipment</li><li>* Tools</li></ul>	11-11-17

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14	AWR	ASHISH INDRABHUSAN PANDEY (1223) Ashish	CAR-145 [A.42 to A.55] <ul style="list-style-type: none"><li>* Introduction</li><li>* Acceptance of components</li><li>* Maintenance data</li><li>* Production planning</li><li>* Certification of maintenance</li><li>* Records</li></ul>	18-11-17
15	AWR	MOHD. AZARUDDIN (1228) Mohamed Azaruddin	CAR 145[A.60 to A.95] <ul style="list-style-type: none"><li>* Occurrence reporting</li><li>* Safety &amp; quality policy</li><li>* MOE</li><li>* Limitation of Organization</li><li>* Validity</li><li>* Findings</li></ul>	25-11-17