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

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	CN-II (7)	SONIA SARKAR	Weather Radar	24-9-2016
		(760)	<ul> <li>Need for Wx radar</li> <li>Principle for working of WX radar</li> <li>Turbulence</li> <li>Wind sheer</li> <li>Application of Wx radar</li> </ul>	
02	CN-II (7)	AMIR MOAZZAM	Wx radar chracteristics & features (I)	201- 49-2016
		(762)	<ul> <li>* Frequency</li> <li>* Pulse width</li> <li>* Pulse repetition frequency</li> <li>* Power output</li> <li>* Beam width</li> </ul>	
03	CN-II (7)	MUGBES HUSSAIN	Wx radar characteristics & features (II)	08-10- 2019
		(769)	* Tilt & stabilization  * Contour  * Sensitivity time control  * Automatic gain control  * Display  * Scanner	08-10-2016
04	CN-II (7)	PRATERK SINGH	Weather radar controls	
		(776)	* Range switch * Function switch	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
			* Gain control * Test switch	
05	CN-II (7)	PRAVESH KUMAK		19-11-2016
		(782)	<ul> <li>* Need for Digital Wx Radar</li> <li>* Rho Theta Display</li> <li>* Principle working</li> <li>* Block diagram</li> <li>* Application</li> </ul>	
06	CN-II (7)	SAWAN SINGH	Application of Wx Radar	19-11-2016
		(802)	<ul> <li>* Mapping</li> <li>* Drift Indication</li> <li>* Beacon Interrogation</li> <li>* Multifunctional Display</li> </ul>	
07	CN-II (7)	SAGAR RAJ GAUTA	IRadio Altimeter	26-11-2016
		(B03)	<ul> <li>* Introduction</li> <li>* Basic Principle</li> <li>* Types of altimeter</li> <li>* Application of radio altimeter</li> </ul>	

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

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
08	CN-II (7)	KULDEEP TOMAR (713)	* Need for ACARS  * History  * General description  * Satellite communication  * Application	26-11-16
09	CN-II (7)		* Introduction * Control * Display * Printing * Structure monitoring	

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

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	Electrical System	AMIR MOAZZAM (762)	* Location of batteries in Aircraft * Battery connection * Installation of battery in Aircraft * Typical battery system * Battery charging from external power * On board battery charge	03-9-2016
02	Electrical System	MUGEES HOSSAIN (769)	* Fundamental principle of D.C. Power generation     * Construction     * Generator characteristics     * Salt excited shunt wound generator	03-9-2016
03	Electrical System	PRATEEK SINGH (776)	<ul> <li>* Yoke</li> <li>* Inter pole &amp; compensation wdg</li> <li>* Engine frame</li> <li>* Rectified power supply</li> <li>* Generator/engine coupling</li> <li>* Cooling of generator</li> <li>* Armature reaction</li> <li>* Commutation</li> </ul>	16-9-2018

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

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
04	Electrical System	PRAVESH KUMAR (782)	A.C. Power generation  * Cycle frequency generation  * Instantaneous & amplitude values  * Phasing & phase relationships  * AC Generation ratings  * AC Generation construction  * Principle of aircraft alternate  * Light aircraft alternator	10-9-2016
05	Electrical System	SAWAN SINGH (802)	A.C. Power generator  * Alternator construction  * C.S.D.  * Field excitation of alternator  * Frequency wild generator  * Air driven generator	17-9-2016
06	Electrical System	SAGAR RAJ GAUTAN	* DC Emergency  * Transformer rectifier unit  * Operation/control and indication & operation  * AC Emergency  * A constant speed motor/ generator  * (CSM/G) including a hydronic motor, AC generator  * GCU and its operation	17-9-2016

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

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
07	Electrical System	KULDEEP SINGH (713)	* Principle of voltage Regulation     * Vibrating constract regulation, current regulator     * Carbon pile volt regulator	03-12-2016
08	Electrical System	PRAPHULL POSTI (740)	Voltage regulation  * Three unit regulation  * Voltage regulation of alternator  * Frequency wild  * Transistorized	03-112-2016
09	Electrical System		* Wires cables, routing of wires * Special purpose cables * Earthing & grounding * Cable termination * Plugs & sockets and potting method * Electrical banding * Static discharge.	
10	Electrical System		* Equipment rectifiers  * Selenium rectifiers  * Silicon rectifiers	

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
			Silicon controlled rectifiers.     Rectifiers circuit connections	
11	Electrical System		* Principle of operation * Circuit connections * Current transformer * Auto transformer * Transformer rating	
12	Electrical System		* Rotary converting equipment * W Static invertor * Application of invertors	
13	Electrical System	·	* Fuse, current, limiter  * Limiting resistor  * Circuit breaker  * Protection against reverse current  * Reverse current cutout relay  * Switched reverse current relay  * Over volt and under votage protection  * Differential current protection  * Mcr3 price protection	

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

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
14	Electrical System		External/ground power  DC System Three pin Receptacle system AC System  * APU Starting * AC External power supply * Auxiliary power unit	
15	Electrical System		* External Lighting - Navigation - Anti collision - Landing and taxing light - ice inspection * Internal Light - Cockpit lighting - Internal Integral, pillar - Bridge & flood lighting - Elector lemniscate lighting - Cargo Lighting - Emergency Lighting	

		AME Semester -5		
S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
01	AASS (IS)	KULDEEP TOMAR (713)	* Definition  * Absolute Pressure and gauge Pressure.  * Methods of Measuring Pressure  * U Tube Manometer & Barometer  * Pressure/ weight balancing (dead weight tester)  * Elastic Pressure sensitive elements (Diaphragm, capsule, bellow, bounden tube)  * Aneroid pressure measuring instrument (Direct read ing pressure gauge)  * Mechanical transmitting type pressure indicating system.	06-8-16
02	AASS (IS)	PRAPHULL POSTI (740)	* Electrically operated pressure indicating system Design type (text and indicator) radiometer type (text and indicator)  Altimeter  * Aneroid Barometer principle * Altimeter mechanism * Altimeter Dial presentation * Barometer pressure setting * Q codes for altimeter setting * Types of altimeter * Sensitive altimeter * Servo altimeter * Encoding altimeter ( altitude reporting unit)	06-8-16

		T	ME Semester -5	
S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
5			* Radio altimeter * Altitude alerting unit	
03	AASS (IS)	SONIA SARKAR (760)	Vertical speed indicator  * Purpose and principle * Working Mechanism * Metering unit * Dial Presentation * Instantaneous VSI * Calibration and maintenance	13-8-16
04	AASS (IS)	AMIR MOAZZAM (762)	* Purpose principle and different types of errors in ASI  * Air speed terminology indicated airspeed, computed airspeed calibrated airspeed, equivalent airspeed true airspeed.  * Square law, its effects and compensating methods.  * Rocking lever verses sector arm  * Banana slot method  * Turning spring method  * Calibration and maintenance	13-2-16

	CO industrial A	mester -5		
S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
05	AASS (IS)	MUGEES HUSSAIN (769)	Air data computer  * Purpose and principle  * Transducer  * Different modules and their operation  * Indicators  * Failure warning  * Digital ADC quarter crystal transducer Digital indicator (LCD, LED ORCRT TYPE)	20-8-16
06	AASS (IS)	PRATEEK SINGH (776)	* Different methods of measuring * Fundamental interval * Various scale of Temperature * Measurement of Air temperature * Measurement of oil/fuel temperature * Measurement of engine temperature - Cylinder head temperature - Exhaust gas temperature - Turbines gas temperature - Thermo couple - Indicators - Moving coil type - Radiometer type - Servo operated type	20-8-16

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
07	AASS (IS)	PRAVESH KUMAR (782)	* Design type indicating system  * Draw backs of design type  * Capacitance type basic indicating system  * Probes (construction. location and connection)  * Error in measurement by volume  * measurement of fuel by weight  * compensated method  * Fail safe and test circuit  * Calibration empty and full adjustment	27-8-2018
08	AASS (IS)	SAWAN SINGH (802)	* Definition & Gimbal system  * Properties (Rigidity & precession)  * Types of Gyroscope  * Limitation of Gyroscope (Apparent drift, real drift, Transport wander, Gimbal Lock Gimbal Error)  * Different methods of operating Gyroscope  * Various uses of Gyroscope  - Attitude indicator  - Direction indicator  - Rate of turn indicator	27-8-2016

J4, KIII	CO Industrial	Semester -5		
S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
09	AASS (IS)	SAGAR RAJ GAUTAI	* Angle of attack * Critical angle of attack * Angle of attack indicator - Stall warning indicator - Stick shaker - Knuckle beater - Stick pusher	5-11-16.
10	AASS (IS)	KULDEEP TOMAR (713)	* Accelerometer and Fatigue meter * Methods of Recording Scratch method/Trace method - Photographic method - Magnetic method * Data recovery Analysis * Protection of flight data recorder * Aircraft integrated data system.	05-11-2016

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S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
11	AASS (IS)	PRAPHULL POSTI (740)	* Direct Reading compass  * Construction  * Acceleration and turning error  * Remote reading compass  * Flux detector  * Gyroscope  * Modes of operation  * Radio Magnetic indicator	12-11-16
12	AASS (IS)	SONIA SARKAR (760)	* Purpose and principle of operation * Different modes of operation * Different types of warning * Priority of warning * Interfacing with other system	12-11-16
13	AASS (IS)	<i>)</i>	Inertial and Navigation system  * Definition and fundamental principle * Gyrostabilizer platform * Gimballed platform arrangement * Ins operation * Alignment Sequencing	

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

S.No	Subject	Name of Student	Seminar Topic	Date of Seminar
			* Action code     * Malfunction code	
14	AASS (IS)		Command Signal Processing of AFCS	
		e <sup>n e</sup>	* Role of AFCS * Component of AFCS * Fundamental of Automatic Control * Signal Processing - Synchronization - Limiting - Gain Ratio - Programming - Feed Back - Integration - Differentiation - Modulation - Demodulation - Amplification	
15	AASS (IS)		Modes of operation of AFCS	
			* Altitude hold mode  * Airspeed hold mode  * Mach Hold mode  * Vertical speed hold mode  * Heading hold mode  * VOR Mode  * ILS Mode	