

DETAILS OF TECHNICAL COURSES OFFERED BY SOA (2016-17)

	AME (DGCA)	AME (EASA)	B.TECH (Aeronautical)	AME + B.Tech (Aeronautical Specialization in Aircraft Maintenance)	B.Tech (Mechatronics)
Approval/ Affiliation	DGCA, Ministry of Civil Aviation, Govt. of India.	European Aviation Safety Agency, Cologne, Germany. SOA(N), is a licensed e-Examination centre for EASA.	Approved by AICTE Affiliated to RTU.	AME is approved by DGCA and degree is awarded by RTU	Approved by AICTE Affiliated to RTU
Eligibility	10+2 (PCM)	10+2 (PCM)	10+2 (PCM) (% As per AICTE Norms)	10+2 (PCM) (% As per AICTE Norms)	10+2 (PCM) (% As per AICTE Norms)
Nature of Job	AME is a person licensed to ensure that aircrafts are airworthy in accordance with local and international aviation standard. For safety reasons the flying aircrafts have to be airworthy. Airworthy means the aircrafts has to be maintained as per approved schedule and proper records and paper works are maintained with required modifications and maintenance by an AME.	AME is a person licensed to ensure that aircrafts are airworthy in accordance with local and international aviation standard. For safety reasons the flying aircrafts have to be airworthy. Airworthy means the aircrafts has to be maintained as per approved schedule and proper records and paper works are maintained with required modifications and maintenance by an AME.	This field deals with the development of new technology in the field of aviation, space exploration & defence systems. It specializes in the designing, construction, development, testing, operation and maintenance of both commercial and military aircraft, spacecraft and their components as well as satellites and missiles	AME is a person licensed to ensure that aircrafts are airworthy in accordance with local and international aviation standard. Aeronautical deals with the development of new technology in the field of aviation, space exploration and defence systems. It specializes in the designing, construction, development, testing, operation and maintenance of both commercial and military aircraft, spacecraft and their components as well as satellites and missiles. Their knowledge is also very useful in Avionics.	Mechatronics is a new, interdisciplinary field involving synergistic combination of precision mechanical engg., electronic control and systems thinking in the design of products and manufacturing processes, that is to say, it rejects splitting engineering into separate disciplines. Originally, it just included the combination of mechanics and electronics, hence the word is combination of mechanics + electronics = Mechatronics, however as technical systems have become more and more complex the word has been broadened to include more technical areas.
Duration	3yrs	3yrs	4yrs	4yrs	4yrs
Scope	On completion of AME, one can apply for jobs in all Govt. and Private Airlines, AMOs, MROs, they are also eligible for applying jobs in Gulf Countries like Dubai, Qatar etc. There are approximately 200 + companies in India related to Aviation.	On completion of AME, one can apply for jobs in all Govt. and Private Airlines, AMOs, MROs, they are also eligible for applying jobs in 28 European Countries and 32 contracting countries like Brazil, Eothopia, Russia, Srilanka, Bangladesh etc. There are approximately 200 + companies in India related to Aviation.	On completion of the course, students can go for higher studies, can also appear in all the U.P.S.C.Exams, & can also apply for Govt. & private Sector jobs like H.A.L., N.A.L., A.D.A, DRDO, Taneja Aerospace, Mahindra Aerospace, GE, Airbus etc. They can also apply for defence service job. There are approximately 200 + companies in India related to Aviation.	On completion of AME + B.Tech one can apply for jobs in all Govt. and Private Airline, AMO's, MRO's, they are also eligible for applying jobs in International Airlines. Can also appear in all the U.P.S.C. Exams, & apply for Govt. & private Sector industries related to aeronautical engineering. Students completing integrated course are eligible for applying Aircraft Maintenance as well Design and Development jobs. There are approximately 200 + companies in India related to Aviation.	The course prepares the student for new emerging, cutting edge technologies of present and future machine vision, Automation and robotics, servomechanism, sensing and control systems, computer, such as computer driven machines like IE, CNC, milling machines, expert systems, Diagnostic, reliability and control system techniques, computer aided & integrated manufacturing systems, computer added design etc. In short, after completion of the course, the student will be fully equipped to undertake all future R & D Challenges.

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Course Availability	Delhi Neemrana	Delhi Neemrana	Neemrana	Neemrana	Neemrana
Fee	Delhi - Rs.3 Lac Neemrana - Rs.4 Lac	Rs.4,06,000/-	Rs.1,59,000/- Per Year	Rs.1,89,000/- Per Year	Rs.1,59,000/- Per Year
Installments	Delhi Rs.60000/- Per Semester (for Five Semester) Neemrana Rs.80000/- Per Semester (for Five Semester)	Rs.81,200/- Per Semester (for Five Semester)	Rs.79500/- x 8 (payable every six month).	Rs.94,500/- x 8 (payable every six month)	Rs.79,500/- x 8 (payable every six month).
Hostel	Hostel Admission Fee Rs.6000/- (Non A/C), Rs.7000/-(A/C) Rent (6 Seater) per month Rs. 3000/- + Mess Charge per month - Rs. 3750/-	Hostel Admission Fee Rs.6000/- (Non A/C), Rs.7000/-(A/C) Rent (6 Seater) per month Rs. 3000/- + Mess Charge per month - Rs.3750/-	Hostel Admission Fee Rs.6000/- (Non A/C), Rs.7000/-(A/C) Rent (6 Seater) per month Rs. 3000/- + Mess Charge per month - Rs.3750/-	Hostel Admission Fee Rs.6000/- (Non A/C), Rs.7000/- (A/C) Rent (6 Seater) per month Rs. 3000/- Rent + Mess Charge per month Rs. 3750/-	Hostel Admission Fee Rs.6000/- (Non A/C), Rs.7000/- (A/C) Rent (6 Seater) per month Rs. 3000/- Rent + Mess Charge per month Rs.3750/-
Uniform	Free	Rs. 8000/- (2 sets for summer and 1 set for winters)	Rs. 8000/- (2 sets for summer and 1 set for winters)	Rs. 8000/- (2 sets for summer and 1 set for winters)	Rs. 8000/- (2 sets for summer & 1 set for winters)
Study Material	Free in softcopy	Can be obtained from Library.	Can be obtained from Library.	Can be obtained from Library.	Can be obtained from Library.
In-house OJT	Free	NA	NA	Free	NA
Medicclaim	Rs.2800/- (Optional)	Rs.2800/- (Optional)	Rs.2800/- (Optional)	Rs.2800/- (Optional)	Rs.2800/- (Optional)



Note: Admission into integrated course will be provided subjected to availability of seats in B.Tech (Aeronautical) & AME.