



**CENTRE FOR AEROSPACE RESEARCH
MIT CAMPUS, ANNA UNIVERSITY
CHENNAI – 44**

☎ 22516393, 22516180
Tele fax: 22231165
E-mail: dircasr@annauniv.edu

Dr. K.Senthil Kumar
Director I/c

Dated: 14.09.2017

Recruitment of Project Staff (Temporary)

The Revenue department, State Disaster Management Agency of Tamil Nadu has sanctioned a project titled “**Unmanned Aerial Vehicle Photogrammetric Mapping for Flood preparedness in the State of Tamil Nadu**” for a period of three years under the Centre for Aerospace Research, MIT Campus, Anna University, Chennai- 600 044. Eligible candidates should submit their CV’s on or before 28.09.2017 to the following address through post. Also, the scanned copies of the application may be sent to the below mentioned E-mail id.

The Director, Centre for Aerospace Research
MIT Campus, Anna University,
Chennai – 600 044.
E-mail:dircasr@annauniv.edu

S.No	Designation	Qualification	Vacancy	Salary
1.	Project Scientist (UAS Team Head)	Education: M.E Aeronautical/ Avionics/ Electronics / Electrical / Mechatronics with Ph.D. related to UAV/ Aerodynamics and control / Geoinformatics. Essential Qualification: <ul style="list-style-type: none">➤ Knowledge in UAV Control System, Navigation and Guidance.➤ Must have experience in UAV Integration of all categories including VTHT, VTOL, Tethered, Fixed Wing.➤ Must have experience in UAV flying (Both Fixed Wing and Rotary Wing {Electric and IC Engine Powered}).➤ Must have experience in integrating and flying Tethered UAV.➤ Ability to identify and troubleshoot both hardware and software of the UAV Systems.➤ Must have wide knowledge about the current UAV Technologies.➤ Must have knowledge and experience in GCS (Ground Control Station) Operations.➤ Must have knowledge and experience in various Payload identification and Integration.➤ Must have knowledge and experience in UAV Power System Optimization.	1	Rs.80,000 to Rs.90,000



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		<ul style="list-style-type: none"> ➤ Must have knowledge and experience in Simulation Software, Embedded Systems, Programming, Mapping Software and Image Processing. ➤ Have to be flexible with timings and various field conditions. ➤ Must have experience in leading the UAS Team for various applications i.e. Surveillance, Mapping, Agriculture etc. ➤ Able to adapt and lead the team under various circumstances. <p>Desired Qualification:</p> <ul style="list-style-type: none"> ➤ Must have 20+ UAV Mission Deployment Experience ➤ Appreciated/Recognized by State /Central Government for UAV Related operations. ➤ Knowledge in International Collaborations ➤ Journals Published in UAV field at International level. ➤ Patent Published in the UAV Field. <p>Experience:</p> <ul style="list-style-type: none"> ➤ 5+ Years' Experience in the related field after Post graduation. 		
2.	Project Associate II (Senior UAV Operational Analyst)	<p>Education: M.E Remote Sensing /Avionics / Aerospace/ Electronics/ Communication engineering/ Equivalent with 2+ Years' Experience</p> <p align="center">Or</p> <p>BE EEE/ECE/Communication/CSE/Aero/Equivalent with 12+ years' experience.</p> <p align="center">Or</p> <p>Minimum 15 years' experience in UAS</p> <p>Essential Qualification:</p> <ul style="list-style-type: none"> ➤ Must have vast knowledge and experience in UAV techno commercial contracts, Budgeting/Schedule management, human resource management, and infrastructure development. ➤ Must have experience as Team Leader ➤ Knowledge with Fixed wing and Rotary platforms. ➤ Knowledge in troubleshooting Electric and IC Engine models 	1	Rs.50,000 to Rs.60,000



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		<ul style="list-style-type: none"> ➤ Must have knowledge in GIS and Aerial Mapping. ➤ Must have experience in proposals preparation. ➤ Must have wide knowledge about UAV Systems. ➤ Knowledge and experience in UAV operations. ➤ Must have experience in customizing gasoline & Electric UAS <p>Desired Qualification:</p> <ul style="list-style-type: none"> ➤ Must have 10+ UAV Mission Deployment Experience ➤ Knowledge in International project Collaborations 		
3.	Project Associate II (UAV System Integrator)	<p>Education: M.E Remote Sensing /Avionics / Aerospace/ Electronics/ Communication engineering/ Equivalent with 5+ Years' Experience</p> <p>Or</p> <p>BE EEE/ECE/Communication/CSE/Aero/Equivalent with 10+ years' experience.</p> <p>Essential Qualification:</p> <ul style="list-style-type: none"> ➤ Must have vast Knowledge and experience in UAV Control Systems. ➤ Must have vast knowledge and experience in Simulation Software's. ➤ Must have experience in leading the team for various projects. ➤ Able to adapt and lead the team under various circumstances. ➤ Must have good communication skills. ➤ Must have wide knowledge about the current UAV technologies. ➤ Must have keen knowledge about UAV Navigation, Guidance and Control ➤ Knowledge in GNSS/RTK ➤ Ability to organize various UAV missions. ➤ Must have wide knowledge about UAV Communication Systems. ➤ Knowledge in Aerial Mapping, KML preparation 	1	Rs.50,000 to Rs.60,000



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		<p>Desired Qualification:</p> <ul style="list-style-type: none"> ➤ Must have 10+ UAV Mission Deployment Experience 		
4.	Project Associate II (UAV Photogrammetry Engineer)	<p>Education: M.E Remote Sensing /Avionics / Aerospace/Equivalent</p> <p style="text-align: center;">Or</p> <p>Education: B.E ECE/EEE/AERO/Equivalent with minimum 4+ Years Research experience related to Unmanned Aerial Vehicle.</p> <p>Essential Qualification:</p> <ul style="list-style-type: none"> ➤ Knowledge in Aerial Photography. ➤ Knowledge and experience in UAV Topography Mapping Grid Planning. ➤ Knowledge and experience in Photogrammetry Tools ➤ Knowledge and experience in Mapping Software's. ➤ Knowledge in Payload Identification for various mapping Criteria. ➤ Knowledge in Data Collection and Survey. ➤ Knowledge in GIS. ➤ Must have knowledge UAV Data processing software ➤ Knowledge in Image Processing. ➤ Must have experience in Proposals preparation, Specifications and Budgetary allocation. ➤ Must have good interaction skills. Have to be flexible with timings and various field conditions. <p>Desired Qualification:</p> <ul style="list-style-type: none"> ➤ Must have 1+ practical experiences in field data collection and processing. 	1	Rs.50,000 to Rs.60,000
5.	Project Associate I (UAS Engineer)	<p>Education: M.E Remote Sensing /Avionics / Aerospace /Equivalent</p> <p style="text-align: center;">Or</p> <p>Education: B.E ECE/EEE/AERO/Equivalent with minimum 4+ Years Research experience related to Unmanned Aerial Vehicle.</p>	1	Rs.35,000 to Rs.45,000



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		<p>Essential Qualification:</p> <ul style="list-style-type: none"> ➤ Knowledge in UAV Operations ➤ Knowledge and experience in GCS Operation. ➤ Knowledge and experience in UAV Avionics Integration. ➤ Knowledge in Payload Selection and Integration. ➤ Knowledge in PID Tuning. ➤ Knowledge and experience in UAV Autopilots. ➤ Knowledge in RF Communication Systems. ➤ Knowledge in GNSS/RTK. ➤ Knowledge in GPS data analysis for mapping post process. ➤ Have to be flexible with timings and various field conditions. 		
6.	Project Associate I (UAV Engineer cum Pilot)	<p>Education: M.E Remote Sensing /Avionics / Aerospace/Equivalent</p> <p style="text-align: center;">Or</p> <p>Education: B.E ECE/EEE/AERO/Equivalent with minimum 4+ Years Research experience related to Unmanned Aerial Vehicle.</p> <p>Essential Qualification:</p> <ul style="list-style-type: none"> ➤ Knowledge in UAV Operations ➤ Knowledge and experience in GCS Operation. ➤ Knowledge and experience in UAV Avionics Integration. ➤ Knowledge in Payload Selection and Integration. ➤ Knowledge in UAS Pilot ➤ Knowledge and experience in UAV Autopilots. ➤ Knowledge design and fabrication of UAV ➤ Wide knowledge in structural design, material selection and fabrication methodology. ➤ Knowledge in sensors and their oriented applications 	1	Rs.35,000 to Rs.45,000
7.	Project Associate I (GIS Specialist)	<p>Education: M.E (Remote Sensing and GIS applications) / M.Sc. (Geoinformatics) / ME Avionics or Equivalent</p>	1	Rs.35,000 to Rs.45,000



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		<p>Essential Qualification:</p> <ul style="list-style-type: none"> ➤ Knowledge and experience in Photogrammetry Tools. ➤ Must have knowledge about various Photogrammetry payloads including LIDAR. ➤ Must have knowledge in Avionics Integration. ➤ Knowledge in Thermography and IR based Photogrammetry. ➤ Knowledge and experience in Payload Integration. ➤ Knowledge in Simulation and Image Processing Techniques. ➤ Must have knowledge UAV Data processing software ➤ Must have knowledge GIS Data Conversion and GIS Data Analysis Software <p>Experience:</p> <ul style="list-style-type: none"> ➤ 3+ years' Experience in the relevant field 		
8.	Project Technician (GCS Operator)	<p>Education: B.E ECE/EIE/EEE/AERO/CSE/Equivalent</p> <p>Essential Qualification:</p> <ul style="list-style-type: none"> ➤ Knowledge in UAV Operations ➤ Knowledge in RF Equipment's ➤ Basic knowledge in UAV Flying ➤ Basic knowledge in Simulation Software's. ➤ Basic knowledge in UAV Structure and Composites. ➤ Knowledge in GCS Operations. ➤ Knowledge in Payload Integration 	1	Rs.25,000 to Rs.30,000
9.	Project Technician	<p>Education: B.E ECE/EIE/EEE/AERO/CSE/Equivalent Or Minimum 5+ years' experience in UAS</p> <p>Essential Qualification:</p> <ul style="list-style-type: none"> ➤ Knowledge in UAV Operations ➤ Knowledge and experience in GCS Operation. ➤ Knowledge and experience in UAV Avionics Integration. ➤ Knowledge in Payload Selection and Integration. ➤ Knowledge in Battery Management ➤ Knowledge in UAS Pilot ➤ Knowledge and experience in UAV Autopilots. 	1	Rs.25,000 to Rs.30,000



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10.	Project Technician (Administrative Executive)	Education: M.Com/ M.BA/ M.CA/ Equivalence with minimum 3+ years' experience Essential Qualification: <ul style="list-style-type: none">➤ Knowledge in accounts & auditing➤ Human Resource➤ Office administration➤ Assisting budget and forecasting➤ Office administration➤ Knowledge in University purchase procedures➤ Other duties related to project➤ Must have good typing and management skills.	1	Rs.25,000 to Rs.30,000
11.	Technical Assistant	Education: Any Diploma/Degree <ul style="list-style-type: none">➤ Basic knowledge in UAV pilot➤ Knowledge in Fixed Wing assembling and integration➤ Knowledge in IC Engine Tuning➤ Able to travel and assist with team in various field conditions.	1	Rs.15,000 to Rs.20,000
12.	Technical Assistant	Education: SSLC/HSC/ Equivalent Or Experience in UAS assistance and heavy vehicle driving <ul style="list-style-type: none">➤ Knowledge in UAV➤ Must have UAV field assisting experience➤ Must have knowledge in Catapult launch fixing➤ Must have good driving experience and must hold heavy vehicle license.	1	Rs.15,000 to Rs.20,000
13.	Field Assistant	Education: SSLC/HSC/ Equivalent <ul style="list-style-type: none">➤ Adaptive to our UAV research environment➤ Knowledge in Computer operations➤ Able to adapt various assisting roles➤ Basic knowledge in Photogrammetry tools➤ Basic knowledge in UAV Data Processing Software➤ Must have atleast one practical experience in field data collection and processing.	3	Rs.8,000 to Rs.12,000



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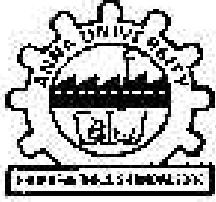
Dated: 14.09.2017

Note:

- The shortlisted candidates will have the field evaluation round prior to the personal & technical interview. The dates and venue for the field evaluation will be intimated over phone/ mail.
- The Candidate should be ready to work without time constrains.
- Selected candidates are encouraged to pursue M.S (by Research) while working.
- Application should reach us on or before the specified date(28.09.2017)
- Candidates attending the interview will do so at their own expense.
- The appointment is purely temporary.
- The selection criteria are as per the guidelines of Anna University, Chennai.

For further details contact:

The Director, Centre for Aerospace Research
MIT Campus, Anna University,
Chennai- 600 044.
Phone No: 91-44-22516180/393
E-mail:dircasr@annauniv.edu
ksk.mit@gmail.com



ANNA UNIVERSITY CHENNAI
MIT CAMPUS
APPLICATION FOR THE POST OF
PROJECT ASSOCIATE & PROJECT TECHNICIAN
(Temporary)

CENTRE FOR AEROSPACE RESEARCH

SI No:		Name of the Post applied for:							
1	Name (in Block Letters) with initial at the end							PHOTO	
2	Address for communication								
3	E-mail id, Mobile/Phone								
4	Nationality		Age		Date of Birth				
5	Educational Qualification(s)								
	Degree/Diploma/ HSC/SSLC	Specialization	University/Institution			Year of Passing	CGPA/ Percentage		
5a	Essential Qualification(s)								

6	Professional Experience(Teaching/Industry/Research)				
	Name of Institution	Designation	Period		Nature of Work
			From	To	
Total Experience in (YY/MM)		Teaching :		Industry:	
7	Additional Information in the field of UAV and GIS Mapping				
8	List of Enclosure(s)				

Declaration:

I declare that the information furnished above is true and correct to the best of my knowledge and belief, and that no related information is concealed. If any discrepancy is observed at any stage, **The Director, CASR will be free to cancel my selection/candidature.**

Place:

Signature of the Applicant

Date:

INSTRUCTIONS FOR FILLING UP THE APPLICATION FORM

(Application not submitted in proper format is likely to be rejected)

1. Application form should be neatly typed or handwritten in CAPITAL LETTERS.
2. Enclose attested photocopies of relevant certificates/proofs wherever necessary.