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Date: -----

Vacancy Announcement

Job Description

Ethiopian Space Science and Technology Institute (ESSTI) is a newly established institute in Ethiopia to lead Space Science and Technology from end to end research in all space applications, space infrastructure development, satellite development and operation, and international collaboration in Astronomy and Astrophysics, space science and application, satellite technology, Aeronautics and astronautics, earth observation and related space and science technologies. Presently, ESSTI is looking for an outstanding candidate with excellent experience and prominent academic, research and technical skills in different fields as mentioned below. Detail requirements listed hereunder in the table.

| no | Position: | Requirement | Responsibility | Professional skill | Required no. | Department/ Directorate |
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| 1 | Associate Researcher- II | MSc and above in Communications and Electronic Engineering, Electrical and computer engineering, Telecommunications Engineering, Satellite Communications Engineering, Satellite Systems Engineering, or other relevant fields of study with work experience of 4 years and above in the fields specified | <ul style="list-style-type: none"> • . Conduct researches in the design and development of small to medium satellite systems. • Support to platform subsystems, payload instruments, on-board software management, satellite simulator and ground segment operations. • Control the proper functioning of satellites in orbit and troubleshoot in orbit satellite operational failures • Provide inputs and review the | With good back ground in engineering and natural science | 5 | Satellite Research, Development and Operation Directorate |



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| | | | <p>definition of system and satellite operational concepts.</p> <ul style="list-style-type: none"> • Control ground to space communications of satellite • Control the proper functioning of satellites in orbit and troubleshoot in orbit satellite operation failures • Support for the commissioning of new satellites and routine operations | | | |
| 2 | Associate Researcher I | MSc and above in Software Engineering, Computer Engineering, Communications Engineering, Telecommunications Engineering, Microwave Engineering, Wireless Engineering, Electronic Engineering, data processing or other relevant fields of study with work experience of 0 years and above in the fields specified | <ul style="list-style-type: none"> • . Satellite data access, interpretation and analysis • Satellite application systems and interface to terrestrial ground communication networks • Satellite ground station operation, satellite data access, interpretation and analysis <p>Develop custom software algorithms for satellite image processing for different thematic application</p> | With good back ground in engineering and natural science | 5 | Satellite Research, Development and Operation Directorate |
| 3 | Associate Researcher- II and above | <p>PhD in observational, computational astronomy and astrophysics</p> <p>. Experience in <u>optical</u> observational astronomy is mandatory.</p> <p>. Previous years work experience at research centers or universities is mandatory.</p> | <p>. Entoto Observatory operation and development, and possible development of other potential astronomical sites in Ethiopia</p> <p>. Research and scientific development under the Entoto Observatory, A&A department,</p> | . Experience in <u>optical</u> observational astronomy is highly needed: in research, astronomical | 1 | Astronomy and astrophysics |



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 የኢትዮጵያ ስፔስ ሳይንስና ቴክኖሎጂ ኢንስቲትዩት (ኢ.ስ.ሳ.ቴ.ኢ.)
 F.D.R.E MINISTRY OF SCIENCE AND TECHNOLOGY
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| | | <ul style="list-style-type: none"> . 2-3 pages of research proposal and activities are mandatory to be submitted in the moment of application. . work experience 2 years | <p>and the ESSTI</p> <ul style="list-style-type: none"> . Astronomical observations carried out at Entoto and data reduction . Lecturing under the A&A department post-graduate program . MSc and PhD students supervision . Coordination of research teams, groups, units, etc. . Resources mobilisation (grants, proposals, human resources, etc.), and strengthening of A&A department and ESSTI national and international collaborations . Participation in all other activities under the Astronomy and Astrophysics department depending on the needs and person's availability . Participation in all other activities under the ESSTI depending on the needs and person's availability | <p>observations, and data reduction.</p> <ul style="list-style-type: none"> . Motivation and skills for developing the optical observational astronomy at Entoto, and contribute to Entoto development are highly needed. . Participation in international collaborations will be highly evaluated. . Motivation and skills for scientific development in astronomy at the ESSTI will be highly evaluated. . Previous experience in MSc and PhD students supervisions will be highly | | |
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| | | | | <p>evaluated.</p> <p>.Previous coordination of research teams, groups, units, etc. will be highly evaluated.</p> <p>. Previous experience in lecturing will be highly evaluated.</p> <p>. Fluent English is mandatory.</p> <p>With good back ground in engineering and natural science</p> | | |
| 4 | Associate Researcher I/II | <ul style="list-style-type: none"> Applicants must hold both of: MSc in engineering/astronomy/space science/physics, and BSc in engineering. <p>For Associate Researcher I:-</p> <ul style="list-style-type: none"> MSc with CGPA 3.50 and above, no need experience <p>For Associate Researcher II:-</p> <ul style="list-style-type: none"> MSc with CGPA 3.50 and above, 2 years experience | <p>. Operation and maintenance of telescopes and instrumentation under the Entoto Observatory.</p> <p>. General functioning of Entoto Observatory.</p> <p>. Further development of Entoto Observatory and other potential astronomical sites in Ethiopia.</p> <p>. Technical assistance in astronomical</p> | <p>. Knowledge about telescopes and astronomical instrumentation will be highly evaluated, and applicants with this knowledge will be given</p> | 1 | Astronomy and astrophysics |



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| | | | <p>observations.</p> <ul style="list-style-type: none"> . Possibility of coordination of Instrumentation Unit. . General instrumentation and technological development under the Instrumentation Unit, Astronomy and Astrophysics department, and the ESSTI in general. . Participation in all other activities under the Astronomy and Astrophysics department depending on the needs and person's availability. . Participation in all other activities under the ESSTI depending on the needs and person's availability. | <p>full priority.</p> <ul style="list-style-type: none"> . Previous experience in coordination of teams and units will be highly evaluated. . Previous experience in mechanical/electrical engineering is mandatory . Knowledge in linux/unix system and programming skills will be appreciated . Fluent English is mandatory. With good back ground in engineering and natural science | | |
| 5 | Associate Researcher I/II | <ul style="list-style-type: none"> • M.Sc. and above in space law, space policy, physics, space science aerospace and other related fields | <ul style="list-style-type: none"> . Conducts research on space policies, laws, strategies, other Implementation instruments, and other related issues and publish such outputs. | <ul style="list-style-type: none"> . Trained and Experienced in space policy | 1 | Space policy and strategic study and research |



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| | <p>For Associate Researcher I:-</p> <ul style="list-style-type: none"> • MSc with CGPA 3.50 and above, no need experience <p>For Associate Researcher II:-</p> <p>MSc with CGPA 3.50 and above, 2 years experience</p> | <ul style="list-style-type: none"> . coordinates the formulation of national space roadmap, master plan (long term strategy), and medium term strategies, . conducts various assessments and evaluation on space policy and strategy implementation and come up with useful recommendations for development of the space industry . Devise and produce different tools and solutions to follow-up, evaluate and improve national space policy and strategy. | <p>formulation, and enactment of space laws and regulations, . Experienced in coordination of monitoring and evaluation platforms . Trained and Experienced in effectively utilizing various computer applications including excel, data analysis, and other relevant ones With good back ground in engineering and natural science</p> | <p>directorate</p> |
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| 6 | Associate Researcher I/II | <ul style="list-style-type: none"> • MSc and Above in • Applied Physics • Electrical, mechanical, space Engineering, Aerospace Engineering, Engineering, Electrical Engineering, Electromechanical Engineering/Mechatronics/, Satellite Engineering, Engineering or other relevant fields of study <p>For Associate Researcher I:-</p> <ul style="list-style-type: none"> • MSc with CGPA 3.50 and above, no need experience <p>For Associate Researcher II:-</p> <p>MSc with CGPA 3.50 and above, 2 years experience</p> | <ul style="list-style-type: none"> • Conduct researches in the area of Space Affairs • Conduct Regulation activities of Space objects and activities • Conduct system and subsystem level testing of space objects that is used for regulation purpose of space activities | <ul style="list-style-type: none"> • Experienced in technology adaptation and technology transfer • Experienced in conducting researches and publications • With good background in engineering and natural science | 1 | Space Affairs Inspection, control and licensing Directorate |
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Note:

1. Salary is according to ESSTI's scale
2. All applicants must submit photo copy of all the academic credential documents to ESSTI office within 10 working days (such as all transcripts, Degree Certificate, CV, list of Publications, at list two recommendations from academic supervisor/s/ etc).
3. For MSC applicants minimum undergraduate CGPA should be 2.75 and MSc CGPA 3.50 and above
4. Submit application to Ethiopian Space Science and Technology Institute in person.

Telephone: + 2510118332474/11896105