# Format of Curriculum Vitae(CV)for Proposed Key Professional Staff

Name of Expert: SK Habibul Rahaman

 Profession: Chief Scientific Officer

Date of Birth:10/10/1996

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Permanent Address: Tajpur, Kotulpur, Bankura, West Bengal-722161 Years of Experience: 6+ Nationalities: Indian

# Detailed Project Experience:

1. **Junior GIS Engineer:** Decision Support System for Sustainable Urban Development of Five Towns in Arunachal Pradesh: Ziro, Namsai, Pasighat, Miao and Bomdila, Status: Completed.
2. **Junior GIS Engineer:** Decision Support System for Sustainable Urban Development of Two Towns in Arunachal Pradesh, viz: Raga and Yachuli, Status: Completed
3. **Junior GIS Engineer:** Remote Sensing & GIS Based Identification of Hazardous Industries and Development of Emergency Planning & Response System, Department of Industries, Govt. of Arunachal Pradesh, Status: Complete
4. **Co-Principal Investigator:** Online mobile –based mapping of assets through Geo- Portal of NRSC, DOS, GoI.; West Bengal State Council of Science & Technology, West Bengal; Status: Completed
5. **Co-Principal Investigator:** GIS based Base Map Creation of Sainthia Municipality including Digitization of land Holding Information and Integration of Land Holding with Land use/Land Cover in GIS Environment.; Sainthia Municipality, West Bengal; Status: Completed
6. **Co-PrincipalInvestigator:**PreparationofGISMapofMirikN.A.AwithinMirik

N.A.A Area.; Mirik Municipality, West Bengal; Status; Completed

1. **GIS Engineer:** Digitization of the river bed Quarries.; Department of Geology and Mining, Govt. of Arunachal Pradesh.; Status: Completed
2. **GIS Engineer:** Preliminary Survey on Black Quartz or Tourmaline in Mangio Area& its Vicinity under Sagalee Division, Papum Pare district.; Department of Geology and Mining, Govt. of Arunachal Pradesh.; Status: Completed
3. **GIS Engineer:** Geological Studies on potential Geo-Tourism Spot.; Department of Geology and Mining, Govt. of Arunachal Pradesh.; Status: Completed
4. **GIS Engineer:** Preliminary Survey for Coal Occurrences in Elevant Area and its vicinity.; Department of Geology and Mining, Govt. of Arunachal Pradesh.; Status: Completed
5. **GIS Engineer:** Mining Plan for Minor Mineral Quarries. ; Department of Geology and Mining, Govt. of Arunachal Pradesh. ; Status: Completed
6. **Co-Principal Investigator:** Cadastral Mapping of Namsai District and Preparation of Record of Rights.; Department of Land Management, Govt. of Arunachal Pradesh. ; Status: Completed
7. **GIS Engineer:** Sustainable Development of Pasighat Township using Remote Sensing and GIS cum Spatial Information System of Arunachal Pradesh, India. Status: - Completed
8. **Principal Investigator and GIS Engineer:** [National Land Records Modernization](http://www.clearias.com/national-land-records-modernization-programme-nlrmp/) [Programmed (NLRMP)](http://www.clearias.com/national-land-records-modernization-programme-nlrmp/) Department of Land Management, Govt. of Arunachal Pradesh, Status: ongoing
9. **GISEngineer:**DigitizationofRiver-bedQuarries-10Nos.,Status: Complete
10. **GIS Engineer:** Preparation of Mining Plan for Minor Mineral Quarries, Status: Complete
11. **GIS Engineer:** Research and Development Works on Clay Deposits of Papum Pare, Lower Subansiri and kamle Districts, Status: Complete
12. **GIS Engineer:** Identification of Carbonates Rocks in Kaying Area, Siang District, Arunachal Pradesh, Status: Complete
13. **GIS Engineer:** Survey of Road length, drain length condition along with GPS Coordinates, condition of Road and Drain with Integration of data in Google Map, Jajpur Municipality, Odisha, Status: Complete
14. **GISEngineer:**ContourandTraversesurveyofPlasticPark,Tinsukia,Assam,Status: Complete
15. **GIS Engineer:** Contour and Traverse survey of Industrial Growth Centre, Matia, Goalpara, Tinsukia, Assam, Status: Complete
16. **GIS Engineer:** Survey of Land Boundary at Megatari,Kodarma, Jharkhand, Status: Complete
17. **Co-Principal Investigator:** Apps based Socio-Economic Survey of the Schools and Anganwadi in Howrah District, West Bengal, India, Status: Complete
18. **Co-Principal Investigator:** Remote Sensing & GIS Based Identification ofHazardous Industries and Development of Emergency Planning & Response System, Department of Industries, Govt. of Arunachal Prdaesh, Status: Complete
19. **Principal Investigator:** Conducting Cadastral Survey and Preparation of Record of Rights for Balijan Township including Lengka Panchayet, Arunachal Pradesh, Status: Complete
20. **Principal Investigator:** Conducting Cadastral Survey of Nari Township and Adjoining Areas, Arunachal Pradesh, Status: Complete
21. **Principal Investigator:** Monitoring of Integrated Watershed ManagementProgramme (IWMP) using Geo-Spatial Techniques, Arunachal Pradesh, Status: Complete

*Educational Qualifications:*

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| Sl.No | Name of the | Examination | Board/Authority | Year of Passing |
| 1 | PhD in Quantitative Economics and Data Science (Pursuing) | Birla Institute of Technology, Mesra (BIT) | 2024 onwards |
| 2 | M.Tech in Remote Sensing | Birla Institute of Technology, Mesra (BIT) | 2024 |
| 3 | B.Tech in Computer Science and Engineering | Secom Skill University | 2022 |
| 4 | Diploma in GeographicalInformation System & Surveying Technology | Archana Institute ofTechnical Education& Research | 2017 |

Employment Record:

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| October’16–August’2017 | **Junior GIS Engineer:** Prantik Care TheEarth, Santiniketan, Birbhum, West Bengal, India.**JobRole:**Dataconversion(AutocadtoGIS),Database Creation and updating, Topological Error Correction. |
| August’17-August’2022 | **Additional Scientific Officer:** Prantik Care The Earth Geo-Info Solutions Pvt. Ltd., Santiniketan, Birbhum, West Bengal, India. **Job Role:** Office Administration, Quality Control and Check of the Survey & GIS data, Database Creation and updating, LayoutPreparation and Preparation of Project Execution Plan, E-Tending, Client Interaction. |
| August’24-Present | **Additional Scientific Officer:** Prantik Care The Earth Geo- Info Solutions Pvt. Ltd., Santiniketan, Birbhum, West Bengal, India. **Job Role:** Satellite Image Processing, Digital Elevation Model Creation, Check of the Survey & GIS data, Database Creation and updating, Layout Preparation, Liaising with Clients, Technical Presentation, DPR Formation, Report writing, Business Development  |

Languages:

|  |  |  |  |
| --- | --- | --- | --- |
| **Language Known** | **Reading** | **Writing** | **Speaking** |
| English | Good | Good | Moderate |
| Bengali | Excellent | Excellent | Excellent |
| Hindi | Fair | Fair | Good |

# Instrument Handed:

DGPS(Sokkia),GPS, Spectroradiometer.

**Software Handled:** Arc GIS (Version-10.8)**,** Auto Cad (Version-2018), QGIS(Version-3.28), ERDAS IMAGINE (Version-2015), ENVI (Version-5.6), Google Earth Pro (Version-7.3.6), Google Earth Engine.

**Programming Language**: Python (Basic), R (Basic), C, [MATLAB](https://www.bing.com/ck/a?!&&p=1360e5fbe3f4ae4fJmltdHM9MTY5MjQwMzIwMCZpZ3VpZD0zMGFhMWViNy04Yjk2LTY5NzEtMjAzMy0wZGRkOGFhZDY4N2MmaW5zaWQ9NjIzMw&ptn=3&hsh=3&fclid=30aa1eb7-8b96-6971-2033-0ddd8aad687c&psq=Matlab%2Blanguage%2Bor%2BSoftware&u=a1aHR0cHM6Ly9iaW5nLmNvbS9hbGluay9saW5rP3VybD1odHRwcyUzYSUyZiUyZnd3dy5tYXRod29ya3MuY29tJTJmcHJvZHVjdHMlMmZtYXRsYWIuaHRtbCZzb3VyY2U9c2VycC1yciZoPUJuTmN2eDlMNllEUjVjUTFoSmtFNFBUUVVkNWlnUCUyYkgxOTBobUhFZ2M4byUzZCZwPWtjb2ZmY2lhbHdlYnNpdGU&ntb=1) (Basic), Java Script (Basic)

# Workshop:

1. **Hyperspectral Data Analytics (HYDA)** -23, Organized by Centre for Quantitative Economics and Data Science (CQEDS), Birla Institute Technology, Mesra, Ranchi, Jharkhand-835215.
2. **SAR Data Processing and its Applications,** Organized by Department of Remote Sensing, Birla Institute Technology, Mesra, Ranchi, Jharkhand-835215.
3. **SAR data Analysis for the Assessment of the Vegetation Conditions,** Organized by Institute of Environment & Sustainable Development, Banaras Hindu University.

# Conference:

1. **International Conference on Environment and Sustainable Development 2025 Certification,** Organized by Institute of Environment & Sustainable Development, Banaras Hindu University.

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience. If awarded the Contract, I undertake to work with this Firm only on this assignment.

Date:12-02-2025



[Signature of expert member]

Full name of expert: SK Habibul Rahaman