A Ministry of Corporate Affairs empaneled Private Limited Company Operating in Federals of Remote Sensing, GIS, Information Technology Survey Engineering

CIN No: U85302WB2024PTC272038
Registration No: 272038
GST Registration Number:
Udyam Aadhar Registration No: UDYAM-WB-17-0019938
[Organization Profile]

Welcome to ROOTPIXIN Solutions Pvt. Ltd.

At ROOTPIXIN, we provide innovative Geographic Information System (GIS) solutions tailored to the needs of various industries. Our dedicated team of professionals ensures high-quality services to meet the unique demands of our clients.

As a leading provider of GIS services and geospatial solutions, ROOTPIXIN specializes in spatial data analysis, Remote Sensing, Geoinformatics, and GPS Technology applications. Our expertise extends to Natural Resources, Environmental, and Disaster Management domains. Established in 2024, ROOTPIXIN is committed to capacity building through specialized training for mid-career professionals and a diverse range of programs for fresh graduates, policymakers, and academia.

We also offer eLearning programs focusing on the practical applications of Remote Sensing, GIS, and Geoinformation Science. Our comprehensive training modules are designed to empower individuals with the tools and skills to effectively harness geospatial technologies.

ROOTPIXIN supports M.Sc. and M.Tech students with free online and offline internships, dissertation guidance, and access to advanced GIS tools, technical expertise, and real-world datasets. Students benefit from mentorship, collaborative learning, and participation in live projects, bridging the gap between academic knowledge and industry practices.

Our commitment extends to consultancy services and tailored project support that address specific challenges and foster sustainable development.

Looking ahead, ROOTPIXIN aims to become a global leader in GIS innovation by integrating Artificial Intelligence and Machine Learning into geospatial analysis. We are driven by a vision to deliver impactful solutions that promote societal and environmental well-being.

Why Choose Us

At ROOTPIXIN, we pride ourselves on a team of highly skilled professionals with extensive expertise in cutting-edge remote sensing and GIS technologies. Our deep knowledge base enables us to deliver customized solutions that align seamlessly with our clients' objectives, expectations, and budgets.

Consulting | Marketing | Developing | Training | Research

Our Services at a Glance

ROOTPIXIN offers a wide range of services, including specialized remote sensing and GIS training programs, geospatial technology solutions, advanced modeling and analytics, and IT consulting services tailored for natural resource planning and management.

Services in the field of Remote Sensing, GIS & IT

Remote Sensing Services

Satellite Data Processing: *Image correction, classification, and enhancement.*

Land Use and Land Cover Analysis: *Mapping and monitoring changes over time.*

Environmental Monitoring: *Forest cover analysis, water resource management, and disaster impact assessment.*

Hyperspectral and Multispectral Analysis: *Advanced spectral analysis for vegetation, minerals, and soil studies.*

Crop Monitoring and Yield Estimation: *Agricultural mapping using remote sensing.*

Urban Planning: *Land development and infrastructure planning.*

Change Detection Studies: *Time-series analysis for resource management.*

GIS Services

Geospatial Data Analysis: *Spatial querying, geostatistical analysis, and modeling.*

Cartography and Map Design: *Creating visually appealing and accurate thematic maps.*

Geodatabase Development: *Structuring and managing spatial databases (PostGIS, Oracle Spatial, etc.).*

Web GIS Development: *Interactive GIS solutions using platforms like ArcGIS Online, Leaflet, and OpenLayers.*

Mobile GIS Applications: *Field data collection and analysis tools.*

3D GIS Modeling: *Terrain and urban environment visualization.*

Utility Mapping: *Infrastructure mapping for water, electricity, gas, and telecom.*

Spatial Decision Support Systems (SDSS): *Tools for decision-making based on geospatial data.*

IT Services

Software Development: *Customized applications for geospatial data processing and analysis.*

IT Consulting: *Strategy and implementation support for GIS and IT integration.*

Data Migration and Integration: *Converting and integrating data across platforms.*

Web Application Development: *Dynamic web solutions with GIS functionality.*

Cloud-based GIS Solutions: *Scalable and efficient spatial data storage and processing.*

Data Security and Backup Solutions: *Ensuring safety and availability of geospatial data.*

Big Data Analytics: *Managing and analyzing large geospatial datasets.*

Training and Capacity Building: *Workshops and courses on GIS, Remote Sensing, and IT systems.*

Services in the field of Surveying Technology

Cadastral and Land Survey/Mapping

Total Station Survey

GPS and DGPS

Training Courses on Remote Sensing, GIS, and Applications

Basic Level Courses

Introduction to Remote Sensing

Fundamentals of remote sensing.

Types of sensors and platforms.

Overview of satellite imagery and its applications.

Fundamentals of GIS

Basic concepts of GIS and spatial data.

Data types, formats, and projections.

Introduction to GIS software.

Digital Image Processing

Pre-processing techniques for satellite images.

Image classification and enhancement.

Applications in agriculture, forestry, and urban studies.

Global Positioning System (GPS) Basics

GPS data collection and processing.

Integration with GIS for mapping and analysis.

Intermediate Level Courses

Advanced GIS Techniques

Geospatial data analysis and modeling.

Thematic mapping and cartography.

Spatial data management using databases like PostGIS.

Remote Sensing Applications in Land Use and Land Cover (LULC)

LULC classification and change detection.

Monitoring urban expansion and deforestation.

Hydrology and Water Resource Management

Remote sensing for watershed mapping.

Flood risk mapping and water quality assessment.

Geospatial Applications in Agriculture

Crop health monitoring using NDVI and other indices.

Precision farming techniques.

Advanced Level Courses

Web GIS and Online Mapping

Building interactive GIS platforms using Leaflet, ArcGIS Online, and OpenLayers.

Creating and managing web maps.

Hyperspectral Remote Sensing

Data processing and analysis of hyperspectral imagery.

Applications in mineral exploration and vegetation studies.

Disaster Management and Risk Assessment

Applications of GIS in disaster mapping and mitigation.

Remote sensing for early warning systems and damage assessment.

Climate Change and Environmental Monitoring

Using remote sensing for climate change analysis.

Monitoring carbon footprints and environmental degradation.

Specialized Courses

Geospatial Big Data and Analytics

Managing and analyzing large geospatial datasets.

Applications in urban planning, transportation, and resource management.

3D GIS and Terrain Analysis

Creating and analyzing 3D models using GIS tools.

Applications in infrastructure planning and geological studies.

Mobile GIS and Field Data Collection

Use of mobile applications for geospatial data collection.

Real-time integration with GIS databases.

Geospatial Data Programming with Python

Automating geospatial workflows using Python.

Libraries like GDAL, GeoPandas, and Rasterio.

Application of Remote Sensing in Mining and Natural Resource Exploration

Exploration of mineral deposits using satellite imagery.

Mapping and monitoring resource extraction activities.

Forest Resource Management

Mapping forest cover and biodiversity using remote sensing.

Applications in conservation and policy development.

Customized Corporate Training

GIS for Business and Logistics

Optimizing supply chain and route planning.

Market analysis and demographic mapping.

Customized Training Modules

Tailored training programs to meet specific organizational needs.

Focus on unique applications in natural resource management, urban planning, or other domains.

These courses are designed for professionals and students to enhance their skills and understanding of remote sensing, GIS, and their diverse applications. They are fully customizable, allowing for edits, modifications, or combinations to align with specific standards and requirements.

सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that ROOTPIXIN SOLUTIONS PRIVATE LIMITED is incorporated on this ELEVENTH day of JULY TWO THOUSAND TWENTY FOUR under the Companies Act, 2013 (18 of 2013) and that the company is Company limited by shares

The Corporate Identity Number of the company is **U85302WB2024PTC272038**

The Permanent Account Number (PAN) of the company is **AANCR7966C***

The Tax Deduction and Collection Account Number (TAN) of the company is **CALR23987F***

Given under my hand at Manesar this ELEVENTH day of JULY TWO THOUSAND TWENTY FOUR

Document certified by DS MINISTRY OF CORPORATE AFFAIRS , CRC MANESAR 1 <ROC.CRC@MCA.GOV.IN>.

Digitally signed by
DS MINISTRY OF CORPORATE
AFFAIRS , CRC MANESAR 1
Date: 2024.07.11 21:53:21 IST

Pankaj Srivastava

Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

ROOTPIXIN SOLUTIONS PRIVATE LIMITED

C/o Abhijit Sahababu, Shyampur, Anara, Anara, Puruliya- 723126, West Bengal

*as issued by Income tax Department

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small and Medium Enterprises

MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER	**UDYAM-WB-17-0019938**
NAME OF ENTERPRISE	**ROOTPIXIN SOLUTIONS PRIVATE LIMITED**

TYPE OF ENTERPRISE *

SNo.	Classification Year	Enterprise Type	Classification Date
1	2024-25	Micro	24/08/2024

MAJOR ACTIVITY

TRADING
[For availing benefits of Priority Sector Lending(PSL) ONLY]

SOCIAL CATEGORY OF ENTREPRENEUR

GENERAL

NAME OF UNIT(S)

S.No.	Name of Unit(s)
1	ROOTPIXIN SOLUTIONS PRIVATE LIMITED

OFFICAL ADDRESS OF ENTERPRISE

Flat/Door/Block No.	-	Name of Premises/ Building	-
Village/Town	Shyampur	Block	Anara
Road/Street/Lane	P.S-Para	City	Purulia
State	WEST BENGAL	District	PURULIA , Pin 723126
Mobile	9475959113	Email:	rootpixin@gmail.com

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE

11/07/2024

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS

11/07/2024

NATIONAL INDUSTRY CLASSIFICATION CODE(S)

SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	71 - Architecture and engineering activities; technical testing and analysis	7110 - Architectural and engineering activities and related technical consultancy	71100 - Architectural and engineering activities and related technical consultancy	Services
2	72 - Scientific research and development	7210 - Research and experimental development on natural sciences and engineering	72100 - Research and experimental development on natural sciences and engineering	Services
3	85 - Education	8530 - Higher education	85302 - Higher education in engineering / other technical courses leading to a university degree or equivalent	Services

DATE OF UDYAM REGISTRATION

24/08/2024

* **In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.**

Disclaimer: This is computer generated statement, no signature required. Printed from https://udyamregistration.gov.in & Date of printing:- 24/08/2024

For any assistance, you may contact:

1. District Industries Centre: PURULIA (WEST BENGAL)

2. MSME-DFO: KOLKATA (WEST BENGAL)

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