

Dr. Vignesh Ayyadurai M.Sc., Ph.D, CPO[®], BVOPM[™]

Senior Geophysicist / Project

Experience in focused Project Manager performing multi-function management and business analysis for various projects.

Experiences in Geophysical Investigation methods for Subsurface and Underground imaging detection, Water resource management, Groundwater exploration, and Salinity studies and geochemical analysis and Geophysical Data processing.

Experiences in Disaster management, planning, preparedness, recovery, and Environmental Management.

Experiences in assisting and leading people with Health and Safety in the sites.

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📍 Bahrain

WORK EXPERIENCE

Senior Geophysicist / Project

Ridings Consulting Services Co W.L.L, Kingdom of Bahrain

06/2020 - Present,

Achievements/Tasks

- Monitoring project risks and scope creep to identify potential problems and proactively identifying solutions to address them in advance.
- Producing stage plans, highlight reports, risk logs, requests for change etc
- Capitalize on strategic growth opportunities, manage sales and marketing initiatives, and oversee field quality control for geophysical teams
- Managing client expectations by ensuring the delivery of the highest quality service
- Maintained 100% of field health and safety metrics with zero injuries or near misses.
- Prepare project documentation, deliverables, finances, resource allocations, and status
- Responsible for budgeting and forecasting, expense reporting, risk management, status reporting, and execution
- Develop strategy and architecture for clients in alignment with business plans
- Account for complete project lifecycle from inception to closure.
- Acquire necessary technical resources, develop project scopes, and coordinate efforts of team members and third-party contractors

Geophysicist / Safety Officer

International Laboratory Services, Kingdom of Bahrain

04/2016 - 04/2020,

Achievements/Tasks

- Field surveys to find out utilities and cavities using by GPR & Radiodetection.
- Field survey to find out the soil bedrock structures etc., using ERT, Seismic Refraction, Crosshole, and Downhole, etc
- Supervisor, Permit Receiver for Bahrain Petroleum Company (BAPCO) ID - C48876 on behalf of the company.
- Filed site visit and supervise team for Geotech Drilling / Soil Investigation
- Preparing reports for Geophysical Studies and Geotechnical Investigation studies
- Supporting to prepare quality management documents for ISO Auditing and project tenders.

Senior Research Fellow

Department of Disaster Management, Pondicherry University, Port Blair, Andaman Islands/ Under NRDMs, Govt of India.

04/2013 - 05/2015,

Achievements/Tasks

- Supported to work in a Project entitled "Landslide inventory characterization, detection of causative factors and mitigation strategies in the South Andaman Islands using Electrical Resistivity Imaging".

Junior Research Fellow

Department of Disaster Management, Pondicherry University, Port Blair, Andaman Islands / under NRSC, Govt of India.

04/2011 - 03/2013,

Achievements/Tasks

- "Rajiv Gandhi National Drinking Water Mission" - Mapping, Drainage analysis, various map preparation for interpreting the seismic data, lithology, groundwater, stability, land use mapping, report submission, report presentation.

WORK EXPERIENCE

Junior Research Fellow

Under Ministry of Earth Sciences, Seismological Division, Govt of India and Department of Disaster Management, Pondicherry University, Port Blair, Andaman Islands

03/2010 - 03/2011,

Achievements/Tasks

- Project entitled "Paleo Seismological Investigations through Geophysical Application in the Andaman Islands".
- Mapping, Drainage analysis, various map preparation for interpreting the seismic data, lithology, groundwater, stability, land use mapping, report submission, report presentation. · Field surveys to find out faults, fractures, subsidence, etc., · Performed assessment on all environmental impacts and performed risk assessment.

EDUCATION

Doctor of Philosophy (Ph.D.) in Disaster Management

Pondicherry University, Port Blair, Andaman and Nicobar Islands, India.

2015,

Courses

- Geophysical Investigations related to disaster management

Master of Science (M.Sc.) in Disaster Management

Pondicherry University, Port Blair, Andaman and Nicobar Islands, India.

2009,

Courses

- Geomorphology, Disaster Management, Disaster Prediction & Regional Forecasting, Earthquake Seismology, Environmental Pollution, Geophysics, Geology, GIS & Remote Sensing, Oceanography

DMBA (Diploma of Business Administration) - Fast Track

International Business Management Institute, Berlin Germany

2020,

Courses

- Essential Management Skills, Finance and Accounting, Marketing and Communications, Human Resource Management, Strategy and Operations, Economics and International Business

CERTIFICATES

Certified Project Officer

Institute of Project Management - Australia

Scrum Fundamentals Certified™ (SFC™)

Scrum Study

Professional Certificate in Project Quality Assurance Management

Metropolitan School of Business & Management

Risk Management

International Business Management Institute (IBMI)

Lean Foundations Professional Certification LEAN™ (LFPC™)

Skill Front

132 - hour Occupational Safety and Health Professional

OSHAcademy

30-hour Construction Safety and Health

OSHAcademy

10-hour Employee Occupational Safety and Health

OSHAcademy

Lean Six Sigma Belt (LYBC)

Anexas Europe

Certified Junior Project Manager (Business Value-Oriented Junior Project Manager)

Business Value-Oriented Principles (BVOP)

Project Management and Essential Certified (PMEC™)

Management and Strategy Institute.

Project Manager (Quality & Safety) & (Project Management)

Procore Technologies

ISO 9001 Quality Management System Associate™

Skill Front

H2S & SO2 Safety

Alberta BC Safety Inc,

40-hour EM 385-1-1 Construction Safety Hazard Awareness for Contractors

OSHAcademy

10-hour General Industry Safety and Health

OSHAcademy

162 - hour Construction Safety and Health Manager

OSHAcademy

MEMBERSHIPS

Associate Membership

PMO Global Alliance

PROJECT MANAGEMENT SKILLS

Project Management

Health and Safety

Environmental

Emergency Response

Project Development

Quality Control

Geophysical

Geologist

Project Leadership

Project Planning

Safety Management

SOFT SKILLS

AutoCAD

Geophysical Softwares

Photoshop

Arc GIS

QGIS

Microsoft Office

MS Project

MS Visio

CorelDraw

LANGUAGES

English

Professional Working Proficiency

Tamil

Native or Bilingual Proficiency

Hindi

Professional Working Proficiency

Malayalam

Limited Working Proficiency

PROJECTS UNDERTAKEN

Underground Mapping of Tatweer GDN Pipelines
(04/2020 - Present)

- Mapping GDN pipelines using GIS

BGB Gasoline Upgrade System (04/2019 - 07/2019)

- Worley Parsons, BAPCO and BMP

Identification of voids/cavities in the Limestone area in Askar using
Ground Penetrating Radar (Gepard GPR) (04/2016 - 08/2016)

- For Ministry of Housing in the Kingdom of Bahrain. The total area was covered in these projects 700 hectares.

East Hidd Housing Access- UG Utility Survey (08/2020 - 09/2020)

- KEO

Identification of Limestone Cavities and Weak Zones areas by
Ground Penetrating Radar in Health Centre at Madinat Khalifa
Southern Governate (12/2019)

- For Ministry of Works in the Kingdom of Bahrain

PROJECT

Doctor of Philosophy: Geophysical and Geochemical characterization of Gas Hydrate dissociated Mud Volcano in Tectonic Active regions of Andaman Islands, India (03/2010 - 05/2015)

Summary: Intend of the present study is to characterize the relationship between resistivity and gas hydrate concentration in the subsurface of mud volcanoes through Transient Electromagnetic technique. Mud volcanoes in locations of Rajathgarh, Mirchtikiri and Pusi in Baratang Island are aligned to the deep seated faults in N-S direction. From Transient Electromagnetic (TEM) survey, it is evident that the zones containing gas hydrate are more resistive than the surrounding host sedimentary formation and also seen that the resistivity of the gas hydrate increases proportionately with increase of gas hydrate concentration. The characterization of the gas hydrate concentration through TEM technique is dependent on the true resistivity (conductivity) rather than apparent resistivity of the hydrated sediments.

ONGOING CERTIFICATIONS

Master of Project Manager (Pre-Qualified)

American Academy of Project Management ®

Master of Construction Project Manager (Pre – Qualified)

American Academy of Project Management ®

Project Management Professional (PMP)

Project Management Institute (PMI) - PMI ID: 6874696