Ramesh

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CURRICULUM VITAE



1. **Name** : **RAMESH**

2. **Date of Birth** : 10 October 1965

3. **Nationality**  : Indian

4. **Profession** : Airport Engineering, Highway Engineering, Design, Construction and Project Management, Pavement and Materials Engineering, Contract Management, Procurement of Services and Works

5. Qualifications :

1. Master’s Degree in Urban & Rural Planning (M.U.R.P), Indian Institute of Technology, Roorkee, India, 1991
2. Bachelor’s Degree in Civil Engineering, (B.E.-Civil), Indian Institute of Technology, Roorkee, India, 1989
3. Bachelor’s Degree in Science (B.Sc.-Mathematics), Gorakhpur University, Gorakhpur, India, 1985

**Membership of Professional Societies:**

1. ***Chartered Engineer [India]****& Member, Institution of Engineers (India), Membership No. M-128850-9, 16/8/04*
2. ***Registered*** *with* ***Dubai Municipality*** *as* ***“Project Management Expert”; Regn. No. 99400*** *since* ***09/09/2012***
3. ***Affiliated Member*** *of UAESociety of Engineer; Membership No.28825*
4. *Life Member, Indian Roads Congress, Membership No. LM-27637, 21/12/02*
5. *Life member, Indian Geotechnical Society, Membership No LM-2037*
6. *Associate Member, Institute of Town Planners (India), Membership No. AMITPI-93-43,11/09/93*
7. *Member, Institute of Transportation Engineers, 1023333, 24.04.2009*
8. *Member, Canadian Geotechnical Society (CGS), 62406, 16.04.2009*

**Training/Workshop**

1. *IRCA-UK certified****“Lead Auditor”Course on ISO 9001:2008/15 (Quality Management System)****-Certificate No. 16-1938, June 2016.*
2. *Workshop on* ***"Airport Pavement Design & Analysis"- Federal Aviation Administration (FAA)***
3. *Management Representative &Training of Parsons staff in “****Quality Management”*** *at Dubai*
4. *Training on Tunneling Technology and Rock Mechanics including Slope Protection /Treatment.*

Computer Literacy

* *Conversant with Design Software, such as* ***Mx Roads, SoftDesk, AutoCAD*** *and Project Management,*
* *Conversant with Pavement Design and Management softwares e.g.****KENLAYER, FAARFIELD-1.305, COMFAA-3.0, PCASE, HDM-4****and*
* *Experienced* ***web enabled PMS Software****Domain Developer on Oracle 10g platform.*
* *Project management software MS Project and other MS office usages.*

Publications/ Presentations:

* ***“Optimizing performance, cost and longevity of new road infrastructure and airport pavements”*** *at 2nd Annual Pavement Management Middle East 2009 on between March 29 - April 1, 2009, Dubai,* ***UAE.***
* ***Designing for Minimizing Cracks in PCC Slabs,*** *Paper presented in International Road Federation-Middle East Regional Congress (IRF-MERC) 09-11 January 2012,* ***Bahrain****.*
* [***"Simplified Performance Based Pavement Management Systems (PMS)"****at American University of Sharjah (AUS) on 06.FEB.2013*](https://www.linkedin.com/redir/redirect?url=http%3A%2F%2Fwww%2Eaus%2Eedu%2Fnews%2Farticle%2F442%2Finternational_delegates_attend_mesat_conference_at_aus%23%2EUR3SmR1vCSo&urlhash=xQ9x&trk=prof-publication-title-link)*,* ***Sharjah****.*
* *Invited speaker in International Conference on* ***“Airfield Engineering and Asset Maintenance-2013”*** *from June 18th to 20th at Lantau,* ***Hong Kong*** *with theme of “Best Practices and Technological Innovations in Airfield Expansions and Maintenance to Ensure Operational Efficiency and Safety” at airports. His lead panel discussion and presented on “Designing for minimizing the cracks in PCC Slabs”.*
* ***PLANNING AND DESIGN OF PEDESTRIAN FRIENDLY SAFER ROADS*** [***http://irf2013.conferencespot.org/55505-irf-e-1.319274/ts2-5-1-1.321039/0259-000375-1.321040/0259-000375-1.321041/ap-095-1.321042***](http://irf2013.conferencespot.org/55505-irf-e-1.319274/ts2-5-1-1.321039/0259-000375-1.321040/0259-000375-1.321041/ap-095-1.321042)***,*** *November 2013****,Riyadh, KSA***
* ***IMPROVING PERFORMANCE OF FLEXIBLE PAVEMENTS WITH USE OF SEMI RIGID MATERIALS IN BASES AND SUBBASES.*** [***http://irf2013.conferencespot.org/55505-irf-e-1.319274/ts3-5-1-1.320605/0259-000307-1.320612/0259-000307-1.320613/ap-211-1.320616***](http://irf2013.conferencespot.org/55505-irf-e-1.319274/ts3-5-1-1.320605/0259-000307-1.320612/0259-000307-1.320613/ap-211-1.320616)***,*** *November 2013,* ***Riyadh, KSA***
* *Invited speaker in International Conference on* ***“Airfield Engineering and Maintenance summit- MENA 2015”*** *from Jan 26th to 29th2015, at Radisson Blu Downtown,* ***Dubai, UAE.*** *He presented on* ***“Designing for Minimizing Cracks in Airport PCC Pavement and at Asphalt Interfaces”*** *for the benefit of MENA Airport Operators.*

6. **Name of Current Firm** : **DeGicon Pro+ FZE**

7. **No. of Years with Current Firm**: **1 year**

8. **Professional Experience**:

**Key Competence**

Ramesh Chand Vishwakarma is a Seasoned Professional,Design/ Project Manager/ Pavement Expert, with in depth and diversified experience of over **27+ years** in **airport engineering design, construction and management**; covering various aspects, such as feasibility studies, detailed design, traffic study, design and rehabilitation of pavements, quality control & assurance, materials engineering, maintenance and asset preservation, performance related specifications, pavement management systems, safety and operation, construction management, contracts management and technical assistance. He is familiar with FAA, ICAO, UFC, PCA, IATA rules and regulations.

Mr. Vishwakarma, a**Post Graduate**, **Chartered Engineer (India)** and registered **with Dubai Municipality as “Project Management Expert”** &**UAE Society of Engineers**; has successfully implemented **sustainable and innovative ideas on challenging projects**with high degree of strategic leadership in stakeholder management and project delivery with quality in countries such as India, Bangladesh, Tajikistan, Uzbekistan, Qatar and UAE.

Countries of Work Experience: *India, Tajikistan, Uzbekistan, Qatar, Bangladesh, Oman& UAE*.

##### Experience Record

**From: Oct 2015 to date**

**Employer DeGicon Pro+ FZE, Fujairah/Dubai, United Arab Emirates**

**Position** CEO/ Managing Director/ SeniorDesign Manager / Pavement Expert (MENASA)

**Duties** As CEO/ MD/ Engineering Manager/ Design Manager responsible for various aspects of planning design and development of strategic Airfields (Civil/ Military), Highway, Infrastructure and Buildings. Heading the team of Architects, Engineers, Designers and Project Managers. The work includes innovative and sustainable design, construction and project management in all construction components, specifications development, technical assistance, quality management, asset management, innovation & sustainability and technical assistance to major government projects internationally with focus area being Middle East, North Africa & South Asia (MENASA). To arbitrate & provide solutions for contractual issues between stake holders in accordance with FAA, ICAO, UFC, PCA, IATA rules and regulations.

**2008 to 19.10.2015**

**Employer Parsons,Dubai, United Arab Emirates**

**Position** Technical/Design Manager /Pavement Expert (MENA Region)/ QA Manager

**Duties** As Senior Technical/ Design Manager responsible for various aspects of airfields &highway design including construction components, specifications, and solution provider for site issues.

**Project: *New Doha International Airport (4 Additional Bay)***

Project Location: New Doha, Qatar

Client: New Doha International Airport

Project Role: Senior Pavement Specialist  
Start Date, End Date: 2011-2012

Project Description: 4 additional bays for A-380 were to be designed for NDIA.

Project Responsibilities: Responsible for pavement design, construction strategy for Apron/Taxiways; PCC pavement and the GSE service road; preparation of Technical Specifications and construction drawings as per Federal Aviation Agency (FAA), ICAO, PCA, AASHTO guidelines.

**Project: *Six Bay Apron Doha International Airport***

Project Location: Doha, Qatar

Client: Boom Construction

Project Role: Design Manager  
Start Date, End Date: 2008-2010

Project Description: To increase parking capacity of Doha International Airport (DIA),6 additional bays along with GSE road and all navigation ads etc. were required.Project work included engineering design for parking requirements for five Code E (A340- 600 and Boeing 777 all types) and one Code F (A-380) aircrafts as per ICAO and pavement design to accommodate Code ‘F’ aircrafts with expected pavement life of minimum 5 years and estimate of Pavement Classification Number of the bays.

Project Responsibilities: Responsible for pavement design, construction strategy for Apron/Taxiways; PCC pavement and the GSE service road; preparation of Technical Specifications and construction drawings as per Federal Aviation Agency (FAA), ICAO, PCA, AASHTO and Qatar specification.

**Project: Abu Dhabi Airbase and Connecting Taxiways**

Project Location: Abu Dhabi, UAE

Client: Al Naboodah

Project Role: Project Manager  
Start Date, End Date: 2010-2011

Project Description: Abu Dhabi Air base is located at the north-eastern edge of Abu Dhabi International Airport. The Airbase is intended to support Abu Dhabi Aviation Cargo fixed wing mission operating with C-130, C17 and other aircrafts and also first and second level maintenance.

Project Responsibilities: Airbase design was carried according to the United Facilities Criteria (UFC) standards. In addition to the UFC, the Federal Aviation Administration (FAA) regulation and procedure was used to conduct the pavement design as a check.

**Project: *New Doha International Airport***

Project Location: Doha, Qatar

Client: CONSOLIDATED CONTRACTORS INT'L CO SAL

Project Role: Senior Geotechnical Engineer  
Start Date, End Date: 2008-2013

Project Description: New Doha International Airport (NDIA) is slated to replace the old [Doha International Airport](http://en.wikipedia.org/wiki/Doha_International_Airport) as [Qatar](http://en.wikipedia.org/wiki/Qatar)'s only international airport in 2012. The airport will be built over 22 square kilometers which half is on reclaimed land. First runway will be 4,850 mand will be one of the [longest runways](http://en.wikipedia.org/wiki/List_of_longest_runways) in the world and second runway will be 4,250 m. Final capacity to handle 50 million passengers.

Project Responsibilities: Responsible for pavement design, construction strategy for Apron/Taxiways; PCC pavement and the GSE service road; preparation of Technical Specifications and construction drawings as per Federal Aviation Agency (FAA), ICAO, PCA, AASHTO guidelines. Work included the design of Mid Field Access Tunnel, including pavement expansion joint design.

**Project: (GHQ Military Works) Sweihan Airbase**

As Pavement Engineer, responsible for design (as per Unified Facilities Criteria) of new Runway (2617m), Apron, Taxiway, Holding Apron, Hanger (C17 & C130J Aircraft), GSE and Approach road pavement design, PCC and Asphalt pavements and the GSE service road; preparation of Technical Specifications and construction drawings,

**Project: Dubai Tram**

Project Location: Dubai, United Arab Emirates

Client: Besix (RTA-Rails).

Project Role: Senior Pavement Specialist  
Start Date, End Date: 2010-ongoing

Project Description: The Dubai tram is rail based transport system covering Jumeirah and Marina areas. The project scope requires planning, design and approvals of all infrastructure and utilities including strengthening and widening of the 14 km roads.

Project Responsibilities: Conducted pavement evaluation for the existing road, geotechnical investigation, study the traffic data and design the pavement. Landscape paving in between tracks and designed and implemented specification for colored Fiber Reinforced Concrete (FRC).

Some of major engineering project in MENA Region are:

* *Upgrading, Improvements and Development of Al Ittihad Road –E11, (Al Hamidiyah interchange till the clock round in Ras Al Khaimah)*
* *Improvement of Emirates Road (E-311) in SHARJAH/Dubai Border to Ajman border (MPW project)*

*(****Innovative and Sustainable design of Semi-Rigid Pavement with High Ride Quality****)*

* *Arabian Canal Development Project-Phase-1 (Area-1 & Area-2)*
* *Design and Supervision of Roads & Infrastructure for Spine, Fronds & Trunk, Palm Jebel Ali*

**2005 to 2008**

**Employer The Louis Berger Group, Inc. (ASIAN OPERATIONS), Gurgaon, India**

**Position** Chief Engineer /Design Manager

**Duties** As Design Manager (Projects) for multi disciplinary design teams responsible forvarious aspects of design, supervision, pavement evaluation, soil and material investigations, cost estimate, economic and financial analyses and report preparation (feasibility/ DPR projects), tender documentation.

He was also responsible for part of **airside infrastructure design** of **Delhi International Airport Limited (DIAL) and Rajiv Gandhi International Airport (Hyderabad).**

**2006 to 2007**

**The Louis Berger Group, Inc., Dhaka, Bangladesh**

**Position** Chief Engineer /Design Manager

**Project**: Road Network Improvement and Maintenance Program – II,

**Project Location**: Dhaka, Bangladesh

**Client:**Roads & Highways Department (RHD)

**Project Role**: Senior Pavement/ Materials Engineer (International Expert)

**Start Date, End Date:** 2006-2007

**Project Description:** The Asian Development Bank (AsDB) funded detailed engineering design project work for 240 km spread allover the Bangladesh with project cost of 125 million USD.

**Project Responsibilities:**  As Senior Pavement/ Materials Engineer (International Expert) responsible for Development of Pavement Design, Construction and Maintenance Strategy for Road Network Improvement and Maintenance Program – II, for National and Regional Highways under Roads & Highways Department (RHD), Dhaka, Bangladesh (240 km- Project Cost Approx. 125 million USD). Main emphasis has been for the technical and economical optimization of the pavement design by characterization of indigenous/ locally available materials, construction technique, formulation of appropriate maintenance strategy and Life Cycle Cost Analysis.

**1997 to 2005**

**Employer Consulting Engineering Services (India) Limited, New Delhi, India**

**Position** Dy. General Manager/ Project Manager/ Deputy Project Manager/ Senior Highway Engineer (Designs)/ Construction Manager (Infrastructure)

**Duties** As Project Manager of multi disciplinary design/ supervision team**,** led the team of Engineers, Surveyors, Technicians in various aspects of design, construction supervision and construction contract management, topographic surveys, data analysis, interpretation, pavement evaluation, soil and material investigations, pavement design, project cost estimate including detailed rate analysis, economic and financial analyses and report preparation (main report, traffic studies report, design report, alignment report, cost estimates); tender documentation (Conditions of Contract, Technical Specifications, Bill of Quantities and Drawings), evaluation of contract/bid Project monitoring.Major detailed engineering project preparation works are:

* *Rajasthan Urban Infrastructure Development Project (RUIDP)-Kota, AsDB funded project*
* *Dellhi-Gurgaon Expressway Project, BOT/DBFO Project*
* *Construction-Supervision of Surat-Manor Tollway Project-Package –3, AsDB Funded*
* *4-Laning of Pune-Satara Section of NH-4 (110 km) and New Katraj Bypass with 1.2km Tunnnel and 300m Viaducts as alternative alignment at Pune in Maharashtra*
* *Neelamangala –Tumkur Road Project on BOT Basis*
* *4-Laning of Asian Development Bank funded “Surat-Manor Tollway Project” (NH8, 176 km)*
* *4-Laning of Udaipur-Ratanpur- Gandhinagar Road Project(217 km)*
* *Rajasthan Project Co-Ordination Consultancy, . (Phase-I)*
* *Ahmedabad-Vadodara Expressway, Phase- I (43 km) and Phase-II (50km)*
* *North South – East West Corridor (270 km), MOST*

***1996-1997***

**Employer Contraco Engineering Works (W.L.L), Doha, Qatar**

**Position** Project Manager (Construction)

**Duties** As Project Manager (Construction) handled the road projects from formulation, design, execution to as built drawing, for Ministry of Municipal Affairs & Agriculture, Civil Engineering Department, Road Wing.The work included setting out works, materials survey, quality control assurance, site supervision, planning, design, construction of major roads, parking lots, drainage systems, externals of important buildings, retaining walls, billing, quotation, soils and materials investigation etc. Major Projects handled are:

* *Al Doha-Al Shamal National Highway Project, Al Shamal*
* *Al Khalifa International Tennis Court Complex (including paving of Tennis Court with Gabbro Asphalt)*
* *Major District Roads, Abu Sidra, Muaither*
* *Road Improvement Project, Zone 47, (Duhail Army Base)*
* *Rumailla Hospital Complex, Doha*

***1995-1996***

**Employer M/S Engineers & Management Associates**,**CIS, Russia**

**Position** Assistant Project Manager (Construction)

**Duties** Headed the Inter disciplinary team of engineers as technical consultant at Dushanbe and Khujand Airport Project, for Emergency Rehabilitation.Also as Pavement / Materials Experts for bulk purchase of bitumen (BN-III grade) from Fergana Refinery in Uzbekistan and setting up of materials testing laboratory as per British Standards, materials surveys and Investigations, toposurvey, design of pavement & job standard mixes, calibration of hot mix plant, pavement investigation and condition survey and design thereof.Responsible for QC-QA work of airport construction and training of Tajik staff.

***1994-1995***

**Employer M/S Engineers & Management Associates, New Delhi, India**

**Position** Laboratory In-charge & Quality Control Engineer (Pavement / Materials Specialist)

**Duties** Worked as Technical Consultant and led the team of engineers in exercising quality control assurance of the World Bank (IBRD) projects. Major Highway Project Handled:

* *Faizabad-Allahabad Road Project (IBRD Project-Package 7)*
* *Four Laning of National Highway – I, Haryana*

***1993-1994***

**Employer Central Road Research Institute, New Delhi, India**

**Position**Fellow Scientist (Traffic & Transportation)

**Duties** Total responsibility of traffic facilities design, traffic management system planning and modeling, surveys, geometric design of intersections, Flyovers, traffic forecasting, toposurveys, simulation model development and design of signal.Major Projects handled are:

* *Traffic Management system for Indira Gandhi International Airport, New Delhi.*
* *Development of interchanges (Trumpet type) on M.P. road No 3 and NH-24 Bypass in Noida, UP.*
* *Decongestion plan for ITO Indraprastha Area, New Delhi*
* *Urban goods transport model development for Class-I cities*
* *Development & application of traffic simulation models including video-graphic field surveys for spot & journey speed, road condition survey & road inventories.*

***1992-1993***

**Employer Technical Teachers Training Institute, Chandigarh, India**

**Position** Project Associate (Rural Development)

**Duties** Work included planning, design and construction & supervision of rural roads under community polytechnic scheme of GOI for northern region including technology transfer to community polytechnics for rural development.

***1991-1992***

**Employer M/S Prateek Coloniser & Builders Pvt. Ltd., Bhopal, India**

**Position** Assistant Project Engineer

**Duties** Responsible for construction supervision & Quality Control of major roads and buildings.

***1989-1991***

**Employer Department Of Architecture & Planning, Indian Institute of Technology-Roorkee, India**

**Position**Research Assistant

**Duties** Work included analysis of the micro region and planning for infrastructures for balanced economic development of the Mirzapur – Sonebhadra micro region using relative value technique.

9. **Language and Degree of Proficiency**

***Language Speak Read Write***

English Excellent Excellent Excellent

Hindi/Urdu Excellent Excellent Excellent

Arabic Good/Fair Good Fair

Punjabi Good Good Good

Russian Excellent Good Good

Bengali Good Good Fair

# 10. Personal Information

* Date & Place of Issue of Passport : 13.03.2013, Ghaziabad
* Date of **Expiry** of Passport : 12.03.**2023**
* Extra Curricular Activities : Golf, Trekking, Music, Photography etc.
* Moreover, I have good inter-personnel, client/ customer liasoning and communication skill.

11. **Preferred Topic**: Techno-Economic, Innovativeand SustainableDesign; Management of Projects related to Airports Design & Pavement cum Materials Engineering

# Certification

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe my qualifications, my experience and me.