

Rajiv Syal

H.No.53, Phase - 6
Mohali, Punjab 160056

98142-13704
rajiv_syal@yahoo.com

OVERVIEW

Ten years of experience in land development, structures, hydraulics, water resource management, road improvement plans, grading, project planning & scheduling. Expertise in technical and economic analysis of land development projects.

EDUCATION

- Member Indian Road Congress 06/03
- Associate Member of Institution of Engineers(India) 04/03
- Engineer In Training (EIT) Certification, Maryland, USA 01/02
- Master of Engineering, Punjab Engineering College, Chandigarh, India 05/97
Specialization : Structural Engineering
- Bachelor of Engineering, Punjab Engineering College, Chandigarh, India 05/95
Specialization : Civil Engineering

SUMMARY OF SKILLS

Languages	FORTRAN, Visual Basic, PL/SQL	
Internet	HTML, Dynamic-HTML	
Development Tools	MS Office 2000 Excel, Word, Power Point	
Other Softwares	Staad Pro	Structural Engineering Software based on Stiffness and Finite Element method
	Auto Cad Land Development 2i	Software for design of storm drains, water ,sewer, highways, and surveying
	AutoCAD 2000	Drafting package
	HEC-RAS	Hydraulic modeling software
	TR 20/TR 55	Technical Releases
	Primavera Project Planner 3.0 : Planning & Scheduling software	

WORK EXPERIENCE

Batta Goode & Associates (Engineers, Planners & Surveyors), Gaithersburg, Maryland, USA.
Project Engineer 01/01 – 01.03

- Site development and grading plans of Intercoastal Industrial Center, Frederick, Maryland
- Floodplain study and storm water management for Inter-Coastal Industrial Center, Frederick, MD
- Design of Utilities & Storm Drainage system for Inter-Coastal Industrial Center
- Floodplain modeling for Marlton East & part of Marlton South, Prince George's County, MD
- Design and alignment, grade establishment plans, design of culverts Lake Marlton Avenue, Prince George's County, MD
- Sediment control plans for Marlton Town Center Phase – IV, Gleenbrook Phase-2, and Inter-Coastal Industrial Center.
- Water Quality Pond for Marlton Town Center Phase-II & Phase-IV, PG County, MD.
- Road Intersection design of Heathermore Blvd with Grandhaven Avenue and Heathermore Blvd. with Lake Marlton Avenue, Prince George's County, MD.
- Storm Drain & Paving Plans for Marlton Town Center, Phase-IV, PG County, MD.

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- Flood Plain Study, Culvert design & SWM Concept for Todd Macdonald Property, Howard County, MD.

Syal & Associates (Engineers, Architects & Evaluators), Chandigarh, India

Founder / Executive Manager / Design Engineer

03/97 – 01/01 & 01/03- present

- Structural analysis and design of INHS Asvini Hospital (600-bed facility)
- Structural Analysis and design of Department of Communications Research and Development Center
- Project Management & Structural Design of Quack Inc., Research and Development Center
- Analysis and design of snow galleries and avalanche control structures for SASE part of Defense & Research Organization
- Concept, tendering, design and preparation of land development, utility services and building plans of Conware Freight Station
- Analysis & design of telecommunication towers for Siemens Communications Ltd. & Himachal Futuristic Corporation Ltd.
- Design and site supervision of various gas stations in North India for Indian Oil Corporation Ltd. and Bharat Petroleum & Chemicals Ltd.
- Analysis and design of Ground based towers & Roof Top tower foundations for Reliance Infocom Ltd., for the sites in Punjab, Haryana & Himachal Pradesh.
- Design of Road network, Under passes, storm drainage system for City Center, Sector 62, Mohali.
- Design of New Road (alignment, L-sections, different junctions with link roads) from Dhanas to Maloya & Dadu Majra to Togan, U.T. Administration, Chandigarh.
- Apna Punjab Homes Multi Storeyed Shopping & Housing Complex, Ludhiana.
- Design of Module II, IX, Multi Purpose Plant at Ranbaxy Labs Ltd., Mohali., Steroid Plant, Quality Control Lab, ETP at Ranbaxy Labs Ltd. Toansa.

RESEARCH PUBLICATIONS/ACADEMIC ACTIVITIES

- Visiting faculty at the Chandigarh College of Architecture, India 08/96-07/00
Taught various courses in structural design and construction management
 - Published a book titled " Programming with Fortran, Graphics & Engineering Analysis" with Standard Publishers Distributors, India
 - Life member of Indian Society for Construction Materials & Structures and member of Indian Concrete Journal
 - Presented a paper in Second National Conference on Construction "Infrastructure 2000" by Construction Industry Development Council & Ministry of Surface Transport.
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AWARDS

- *University Gold Medal* for securing *first* position in the Bachelor of Engineering examination
 - *Silver Medal* for major project in the Bachelor of Engineering
 - *Certificate of Merit* for outstanding academic performance for being among top 0.1% in All India Senior School Examination in mathematics
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