



Kandarp Kishor Shivpuri
Environmental Science & Engineering
Indian Institute of Technology, Bombay
Specialization: Environmental Engineering

10318003
M.Tech.
Male
DOB: 30/01/1988

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2011	8.34
Undergraduate Specialization: B.E. (Civil Enngineering)				
Graduation	C.S.V.T.U., Chhattisgarh	Bhilai Institute of Technology, Durg	2010	8.12
Intermediate/+2	C.B.S.E.	St. Soldier Public School, Jaipur (Raj)	2006	66.00
Matriculation	C.B.S.E.	Adarsh Vidya Mandir, Mt. Abu (Raj)	2004	81.60

M. Tech Project

Changes in metal leaching from coal fly ash during Wet Storage and Reuse [Jun '11 – Present]

- **Field visits** to six **Thermal Power Plants** in Maharashtra for **data collection** and **sampling** of coal fly ash
- Investigation of mobility of toxic metals during Wet Ageing of fly ash in fly ash ponds using ICP-AES
- Investigation of leaching characteristics of toxic metals during Reuse of coal fly ash

B.E. Project

Analysis of Cable Suspension Bridges [Jul '09 – Mar '10]

- Studied the specifications of materials and design of Lakshman Jhula, Haridwar
- Proposed a similar pedestrian bridge over Shivrath River in Durg District, Chhattisgarh, did partial analysis for its feasibility and drafted using Auto CAD

M. Tech Seminar

Environmental Management of Nuclear Power Plant [Jul – Oct '10]

- Studied the operational processes associated with a nuclear power plant and wastes generated
- Reviewed the methods for Disposal and Treatment of nuclear waste and India's Nuclear Programme

Mini Projects

EIA of a Nuclear Power Plant [Aug – Oct '11]

- Proposed a Nuclear Power Plant in Kotputli, Dist. Jaipur, Rajasthan
- Carried out Impact Assessment considering Physical, Biological and Social factors

Design of Water Distribution and Sewage System for IIT Bombay [Mar – Apr '11]

- Designed 240 MLD water treatment plant and its various components
- Used EPANET and BIOWIN for designing water distribution and wastewater system for IIT Bombay

Design of a conventional Water Treatment Plant [Feb – Mar '11]

- Designed all the units required; cascade aerator, flash mixer, clariflocculator, rapid sand filter and chlorination system

Citation of a Special Economic Zone near Udaipur, Rajasthan using Arc GIS [Feb – Apr '11]

- Studied some of the Legal By-Laws for citing a Special Economic Zone near Udaipur city, specifically the buffer zones, and used Arc GIS to propose a feasible site for the same

Design of an efficient Solid Waste Management Plan for the city of Raipur [Jul – Nov '10]

- Studied the existing municipal solid waste management practices and developed a more efficient plan for the same

Industrial Training/Workshops/Field Visits

40 days on-site training at Shree Power- Shree Cement Ltd [May – Jun '08]

- Gained insight on the on-field construction practices and project planning for a thermal power plant (Structures under construction: **Air Cooled Condenser** and **Turbine Generator Building**)

One month on-site training in PACT Construction Pvt. Ltd.	[May - Jun '09]
<ul style="list-style-type: none"> Gained insight on the Commercial construction (Hotel) and Pre-Stressed Concrete work 	
Visited Asia's largest Water Treatment Plant in Bhandup , Maharashtra	[Apr '11]
<ul style="list-style-type: none"> Gained knowledge of various processes and equipment dealing with drinking water purification 	
Visited Hazardous Waste Landfill site at Taloja, Maharashtra	[Apr '11]
<ul style="list-style-type: none"> Gained insight into the Landfills and incinerators for hazardous waste management 	
Attended International Training Workshop on "Environmental Statistics for Professionals"	[Dec '11]

Scholastic Achievements

Scored 98.02 percentile in GATE 2010 with an AIR 383	[2010]
Secured 1st position in University Vocational Practical Training Presentation (Civil Engineering Stream)	[2009]

Publications

Shivpuri, K.K., Lokeshappa, B., Kulkarni, D.A., and Dikshit, A.K., 2011, Metal leaching potential in coal fly ash., American Journal of Environmental Engineering, 1(1), 1-7.

Lokeshappa, B., Shivpuri, K., Tripathi, V., and Dikshit, A.K., 2011, Assessment of toxic materials in agricultural produce., Food and Public Health, 1(1), 1-6.

Paper Presentation

Presented paper titled '**Environmental Concerns of Nuclear Wastes**' under the guidance of Prof. Anil Kumar Dikshit in the **National Conference** on '**Environmental Perspectives and Challenges for the 21st Century**' held at Andhra University, Visakhapatnam in June 2011.

[Jun '11]

Extra Curricular Activities

Departmental Participant in PG Sports (Football, Table Tennis and Long Jump)	[2010]
Represented college in 400 m Race in University Sports	[2008]
Participated in Quiz, Debate, Extempore and Drama in school and college	

Positions of Responsibility

Student Companion of Department under Institute Student Companion Programme (SCP)	[Jul '11 – Present]
<ul style="list-style-type: none"> Provide fresher students with the individual help and support required during their orientation period Address the difficulties (Academic and Non Academic) faced by the new students 	
Seminar Secretary (ESEA, Departmental student body, CESE, IIT Bombay)	[Jul '11 – Present]
<ul style="list-style-type: none"> Contact professionals from industries for delivering Guest Lectures on different topics related to environmental practices in corporate arena, viz. Sustainability, EHS, EIA, etc. 	
Teaching Assistant for ' Environmental Studies ' course for undergraduate students	[Aug '11 – Present]
<ul style="list-style-type: none"> Supervising a batch of 260 B.Tech and M.Sc students and addressing their problems 	
Member of Core Organizing Team of URJA UTSAV '10 and BIT UDAY '08 , both State Level Technical Festivals	[Mar '10 and Feb '08]
<ul style="list-style-type: none"> Worked with teams of over 100 students for coordinating a variety of tech events Event Coordinator for an individual event in each of the above mentioned Technical Festivals 	
Executive Member of the Civil Engineering Association of the College	[Jul '09 – May '10]
<ul style="list-style-type: none"> Part of the Organization Committee of SUPER-5, an Inter Departmental Cultural Competition 	

Technical Skills

- Languages: Basics of C, C++, Matlab, LINGO
- Environmental Softwares: ArcGIS, BIOWIN, EPANET
- Basic knowledge of AutoCAD
- Environmental Quality Analysis Instruments: High Volume Sampler, MOUDI, ICP-AES

Other Interests

Stargazing, Reading literature on Astrophysics and Particle Physics, Reading novels, Playing football and table tennis, Watching cricket and tennis