

## **CURRICULUM VITAE**



### **Vipin C. Shukla**

Scientist-E

Technology Information, Forecasting & Assessment Council (TIFAC)  
Under the Department of Science & Technology, Govt. of India  
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### **I. PROFESSIONAL EXPERTISE / INTERESTS**

Expertise in Management of Research, Scientific & Technological Programs / Projects in Advanced manufacturing technologies, Alternate fuel technologies like Bio-diesel & Solar Energy, Automobile: Vehicle Crash & Safety; innovation

### **II. PERSONAL DATA**

Born on January 14, 1973

Married, two children

Indian Citizen

Languages Known: English & Hindi

### **III. EDUCATION**

**Pursuing Ph.D. (Part time)**, Indian Institute of Technology Delhi, Since July 2012 onwards; CGPA: 10.00/10.00 (Course work)

Research work on "Experimental investigations and Analysis of Ultrasonic Assisted Magnetic Abrasive Finishing process with bonded abrasives and efficaciously designed electromagnet"

**M.Tech. (Design Engineering)**, Indian Institute of Technology Delhi, 1996; CGPA: 8.75 / 10.00; 2<sup>nd</sup> Rank in the class (Applied Mechanics Department)  
Dissertation: Analysis, Design and Wear Estimation of Railway Wheel System (Simulation using 'C' language)

**B.Tech. (Mechanical Engineering)**, Harcourt Butler Technological Institute  
Kanpur, 1994, 1<sup>st</sup> class with Distinction (76.7%), 3<sup>rd</sup> Rank in Dept  
Dissertation: Computer Aided Designing of Springs using Auto-CAD

## **IV. WORKING EXPERIENCES & POSITIONS HELD**

### **(A) Current Employment:**

#### **Technology Information Forecasting & Assessment Council, Delhi**

May 16, 2000- till now: Presently working as Scientist-E

TIFAC is established as 'think tank' to keep watch on global technology development and assess the preferred option for India in various important sectors. It is an autonomous society under the Department of Science & Technology (GoI). ([www.tifac.org.in](http://www.tifac.org.in))

I had experience in handling various programmes in the past on 'Road Construction & Transportation Equipment', 'Core Group on Automotive Research (CAR)', 'National Innovation Project (NIP) of World Bank' 'Mission REACH' which aimed towards the development of human resources of international standards, imparting high quality education in chosen areas of high relevance to industry and society by creating sustainable linkages between academia and industry. Presently, I am involved in the initiative on 'Advanced Manufacturing Technology'.

### **(B) Earlier Work Experiences:**

#### **Central Institute of Road Transport (CIRT), Pune**

September 2006-November 2007: Scientist-E & Head- Biodiesel, Vehicle Crash, CAD/CAE

CIRT was established on the joint initiative of the Association of State Road Transport Undertakings (ASRTU) and then Ministry of Shipping and Transport (GoI). ([www.cirtindia.com](http://www.cirtindia.com))

I worked at CIRT as Scientist-E and looked after the following activities as Head-Research Cluster:

- Centre for Computer Aided Engineering (CCAЕ)
- Vehicle Structural testing lab
- Development of Fatigue lab under R&D Cess
- Development of Water proofing test under R&D Cess
- Research projects

**Escorts Tractor Ltd, Faridabad**

July 3, 1997 – May 15, 2000: Manager – Product Development Group (R&D)

Escorts Ltd is an ISO certified company and Escorts group engaged in the business of manufacturing various tractor models. I worked as Manager- Product Development Group with Escorts R&D Centre was responsible a team member for all new development and modification in existing products. ([www.escortsgroup.com](http://www.escortsgroup.com))

**IIT Kanpur**

August 1994 – February 1995: Project Associate

I worked on a CSIR sponsored project on non-conventional machining and was involved in the development of a set up and research work.

**Netaji Subash Institute of Technology (NSIT), Delhi**

August 2010 – December 2013: Guest Faculty

I worked as Guest Faculty in the Division of Manufacturing and Automation Engineering of Netaji Subash Institute of technology (NSIT) Delhi. NSIT is among top ranged engineering institutes in India. I took classes for the subjects like Manufacturing Processes & Strength of Materials.

**V. Major Training Programmes attended:**

S.No.	Organization / Institute	Period	Details of training
1.	Lal Bahadur Shastri National Academy of Administration (LBSNAA), Mussorie	April 20–May 1, 2009	Science for Rural Societies Programme
2.	International Training Centre of International Labour Organisation (ITC-ILO) at Turin, Italy	June 30–July 4, 2008	Project Management in World Bank-funded Projects: Control of Project Delivery (Time, Scope, Procurement, Budget and Resources)
3.	TRIPP at IIT Delhi, the French National Institute for Transport and Safety Research France & St. Stephan's Hospital, Delhi	December 4-10, 2006	16 <sup>th</sup> International Course on Transportation Planning & Safety
4.	M/s Escorts Ltd, Faridabad	December 15/16, 1999	Managerial Excellence
5.	M/s Escorts Ltd, Faridabad	November 24, 1999	Time Management
6.	Council of Education and Training, M/s First	April 12-17, 1999	Windows 95 and MS Office 97

	Computers, Faridabad		
7.	M/s Escorts Ltd, Faridabad	July 24 & 25, 1998	Team building, Leadership and Self- awareness
8.	Fertiliser Division, M/s ICI India Limited, Kanpur	May 17-June 25, 1993	General Maintenance of Catalyst Plant