CURRICULUM VITAE

JITENDRA BHARDWAJ
(B. Tech - M. Tech (Dual), IIT Kanpur)

ASST. PROFESSOR- EE
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RESEARCH DOMAIN/ EXPERTIES

Computer Vision & AI, Image Processing, Digital Signal Processing
Robotics and Intelligent Control System, Industrial Automation & Multi-Media.

EDUCATION

2003-2008 **Indian Institute of Technology Kanpur, (IIT Kanpur), Kanpur, India.**
Master of Technology & Bachelor of Technology (Dual Degree) in Electrical Engineering.
Dissertation*: **Development of A Search Capable Automatic Book Scanner Machine**. [CPI-7.6]*

2003-2008 **Indian Institute of Technology Kanpur, (IIT Kanpur), Kanpur, India.**
Bachelor of Technology in Electrical Engineering.

2000- 2001 Board of Secondary Education, Madhya Pradesh, Bhopal from Kopal H. S. School, Bhopal.
Science Stream (Mathematics scored 99/100). [86.89 %]

1998-1999 High School, Madhya Pradesh Board from Mission H. S. School Bilaspur, C.G. India. [78.6%]

2013-2013 **Indian School of Business (ISB), Hyderabad, India**.
Executive Education prog. on **Technology Commercialisation and Innovation Management**.

EXPERIENCES

2019- Present Assistant **Professor- EE**, Dept. of Electronics & Comm. Engineering,
School of Engineering &Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur, (C.G.) India.

2010-2019 **Founder & MD, (R&D) at Innosium Technologies Pvt Ltd**. Kanpur, incubated in SIIC, **IIT Kanpur**.
It was a high-end technology-based venture where I led the team from ideation to implementation of various innovative products. Also provided R&D consultancy to reputed companies and research project of IIT Kanpur. Selected for top 50 startups for Digital India, Intel-DST challenge 2015. Represented Innosium and IIT Kanpur in Telecom Expo 2013 Vigyan Bhawan, Delhi and India- U.S. Technology Summit & Knowledge-Expo 2014 at Greater Noida, Delhi NCR.

2010-2009 **Sr. Project Associate at Computer Vision Lab**, Dept. of Electrical Engineering, **IIT Kanpur**.
2004-2005 Fine Arts Club Coordinator, Students' Gymkhana at IIT Kanpur. Initiated Annual Art Exhibition.

RELEVANT COURSE WORK

Graduate Introduction to Robotics, Speech Signal Processing, Architecture of DSP, Advance Topics in Digital Filtering, Wireless Communications, Statistical Signal Processing-I.

Undergrad. Digital Image Processing, Image Processing (EE), Digital Video Processing, Basics of Modern Control System, DSP, Probability & Statistics, Physics of Remote Sensing, Power Systems, Power Electronics, Introduction to Electrical Engineering. Nature and Properties of Materials, Thermodynamics, Control System Analysis, Digital Electronics &Microprocessor Technology. Principles of Communications and Communication Systems.

MAJOR PROJECTS

2017-2018   Grant **by DSIR, Govt. of India, project entitled "***Automated Universal Perfect Spherical Shape Making Machine for Eatables***".** Total project cost INR 22.285 lakhs.

2012-2013   **Smart Vest Data Analyzer (SVDA**), Software developed for live data with analysis, filtering features for multi-channel ECG, Blood Pressure, Body Temperature and Heart Rate along with automatic PDF report generation with user details log. Done as consultancy project to a Textile Company Kanpur. Successfully hand over to the client for the assigned portion of the project. Total project cost was around INR.4 crores. at client end.

2009-2018   **NUI project-**: Natural User Interface (NUI) Development at Innosium Technologies Pvt Ltd. We have developed various innovative products based on computer vision and AI; our indigenous algorithms are capable of real-time processing with accuracy in real world environment which current state of art lags to perform with accuracy. Final tuning is on progress and soon be released for pilot testing to the market.

2007-2008   **Master Thesis Project**: ***Development of A Search Capable Automatic Book Scanner Machine.*** Functional automatic book scanner was developed as prototype and won Techfest for it. (Details are available on request).

2003-2007   Remote 3D viewer for BARC, 3D Scanner, 3D Printing and Precision Rotary Table and many minor projects are developed as prototype and used for research work setup at CV Lab IIT Kanpur.

AWARDS & HONOURS

Technical
Aug-2015   Selected for Top50 Startups in Digital India (Intel-DST challenge) 2015.
Feb- 2011   Won **IDEAS,** A National Level Business Plan Contest in Techkriti(INR 75000/-).
Feb-2010   Won **First Prize** in *Endeavour* (Asia Largest Working Model Contest cum Exhibition and judged by six different domain experts) in Techkriti, annual technology & entrepreneurship festival of IIT Kanpur. (INR 35000/-).
Feb-2009   Won Second Prize in *Endeavour* in Techkriti at IIT Kanpur.
May-2009   **Convocation Award**- IIT Kanpur Excellence Award in Art & Cultural Activities.
Mar-2008   Won first prize in **IDEAS in Megabucks**, largest national level business plan contest among Indian college festivals. (Prize INR : 100000/- with incubation worth 20 lacs.)
Feb-2008   Won **First Prize** in *Endeavour* in Techkriti at IIT Kanpur.
Feb-2006   Best Innovation Prize in GrearLoose in Techkriti.
Feb-2003   First Prize in Nirman (On the Spot Bridge Making Contest) in Techkriti.

Cultural
Nov-2006   Best Candle Carving in Manjari (Fine Arts) Contest in Antaragni, annual cultural festival of IIT Kanpur.
Led the winning team of six members (First Prize) in Manjari.
Nov-2006   Won First prize in Sketching Contest in Antaragni at IIT Kanpur.
Nov-2005   Led the winning team, First position in Veethi(Fine Arts Event) in Antaragni.
Nov-2004   Won Second Prize in Clay Modelling in Antaragni at IIT Kanpur.
Nov-2004   Won Second Prize in Canvas Painting in Antaragni at IIT Kanpur.
Jun-2002   First Prize in on the spot Slogan Writing by Chhattisgarh Tourism Dept., held at Bilaspur, C.G. India.
Sept-2000   First Prize in Painting in Bhopal, organized by LIC Bhopal M.P. India.
1991-2001   Won first prize more than 50 contests in various activities (major in Fine Arts and Science Model making in school days).