

## Contact

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(LinkedIn)

## Top Skills

Software Project Management  
Embedded Systems  
Program Management

## Languages

English  
German  
Kannada

## Honors-Awards

Award for contribution in 'Continuous Improvement Process-CIP'  
Distinguished Chief Guest and Key Note Speaker  
Chief Guest and Keynote speaker at 3D printing - the future in 2016 at networking & workshop

## Publications

Published 14 research papers

# H R Mahadevaswamy

Joint Director - Technical Education Division at JSS  
Mahavidyapeetha  
Bangalore Urban

## Summary

A result oriented person with 25 Years of proven experience in : Teaching, Research, Invention based research, Intellectual Property creation, filing and licensing, DSP, Image and Video Processing, Software Development, System Test, Automotive Infotainment, Embedded System Setting up & managing offshore development center, Administration, Management

His selected achievements are : Established business in verticals telecom, manufacturing, automotive, industrial technology, security system, starting from business development to operations, established new opportunities in Car Infotainment connectivity leading to setting up a big team, demonstrated Business innovation by forming the highly competent team in DSP, Imaging and Speech , Invited Speaker at Conferences & University events, Task force member at MNC to establish Global research Centre in India.

He Co-founded a company 'Applied Invention India Pvt Ltd' in 2012 and the objective of the company is creation and monetization of IPs.

He also co-founded a company Curio System and is responsible for strategy, business acquisition and team building.

International experience of sales and marketing at Germany in Manufacturing. Visited countries Germany, Portugal, Malaysia for business and technical discussions for new business acquisitions.

He is Partnering with companies to create new opportunities and establish new business lines in emerging technologies. Reaching out to Universities and extending coaching & mentoring of faculty, consulting in creating invention based research and creation of patents.

His research areas of interest are : Virtual Reality (VR), 3D Point Cloud, Imaging technology, Multimedia, Internet of Things (IOT) and Cyber Physical System (CPS).

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## Experience

### JSS Mahavidyapeetha

Joint Director - Technical Education Division

October 2020 - Present (8 months)

Mysore, Karnataka, India

As Joint Director, I responsible for managing few of the engineering , Diploma, ITI Colleges, STEPs, Incubation Centres, Consulting arm and new initiatives.

### Jawaharlal Nehru National College of Engineering

Principal

July 2016 - October 2020 (4 years 4 months)

Shimogga

Principal at Jawaharlal Nehru National College of Engineering (JNNCE), Shimogga, Karnataka, India. My responsibilities are: Administration, teaching, research and development of college. Inspiring and enabling young minds to become successful Engineers, Scientists, Technologists. channelizing available opportunities and creating an environment and bringing all the stake holders - Faculty, Students, Industry, Society together to excel in teaching, research & make JNNCE as innovation and enterprising institute in next few years

### Curio System Pvt Ltd

Director

June 2013 - July 2016 (3 years 2 months)

Bangalore, India

- Software development, IT, e-commerce and product services
- Acquiring global projects
- Strategizing for business development
- Product Development in emerging technologies

### Applied Inventions India Pvt Ltd.

Managing Director & CEO

October 2012 - July 2016 (3 years 10 months)

Bangalore, India

As Managing Director and CEO of the APPLIED INVENTIONS, Dr. Swamy is responsible for technical and operational activities. He is responsible for development and execution of the company's strategy, provide intellectual property and licensing consulting services to businesses.

### Robert Bosch Engineering and Business Solutions Ltd.

#### Engineering Group Manager

April 2003 - October 2012 (9 years 7 months)

Bangalore

As a Engineering Group Manager at Robert Bosch Engineering & Business Solution Limited (RBEI) was associated with projects in Car Multimedia System, Machine vision system for Industrial Automation and Security System.

Some of the task were:

- Managing a team of 125+ Software Engineers
- Manage projects that involve :
  - Automotive Infotainment & Navigation Products
  - Machine vision system development for Industrial automation
  - Image Processing Algorithm development
  - CCTV based Digital Surveillance System for Security applications
- Resource development, technical direction to the team
- Project & Quality Management
- Customer Communication and interaction
- Preparing technical proposals and supporting business development
- Strategizing for new business
- Intellectual Property Creation and Innovation

### Satyam, Hyderabad

#### Program Manager

January 2001 - April 2003 (2 years 4 months)

Program Manager, leading teams in DSP and Image Processing area. Pre-sales, business scope study, Proposal making, and System Architecting.

Major work was carried out in the following project:

Navigation and Guidance Algorithm for All Terrain Road Vehicle:

This is System Solution Architecting project and the objective is to develop Software for Navigational and guidance algorithms based on sonar and image data to run All Terrain Road Vehicle -Mini in a controlled environment. This

all terrain robot vehicle was made highly autonomous and intelligent by a combination of efficient image processing and sonar signal processing

SIT Tumkur

College

April 1988 - September 1997 (9 years 6 months)

- Researcher and Assistant Professor- Department of Electronics & Communication.
- Research area: DSP, Image Processing, Software Engineering
- Proposal writing to get funds for various Lab set ups from various sources

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## Education

National Institute of Technology Calicut

Ph.D., Fractal & Wavelet Image Compression · (1997 - 2000)

National Institute of Technology Karnataka

Master of Technology (M.Tech.), Industrial Electronics · (1990 - 1992)

University of Mysore

Bachelor of Engineering (B.E.), Electronics & Engineering · (1983 - 1987)