

Dr. RAVI KUMAR R, M.Tech,MBA,P.hD.

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## CIRRICULAM VITTE

### Profile

- A zealous professional with 9+ years of experience in Training Skill Development & Teaching.
- Senior advisor-Skill Development: In charge for setting up Center of excellence in Manufacturing & Aerospace Engineering of Dassult Systems. Train students in 3D experience software, Setup lab with excellent negotiation with vendors, organizational relationship management with customers, problem solving and intra personal skills with cross cultural adaption and creative ability.
- Assistant Professor: Have taught Subjects pertaining to Design & Manufacturing. Engaged the students with real time projects and guided them for making them to compete in National & International competitions.

### Skills

- **3D Experience** –Catia : Part Design, Assembly, Wireframe& Surface, Mechanical System Design, Sheet metal, Composite Design, Mold Tool , Manufacturing
- **3D Experience** – Simulia : Structural Analysis, CFD Analysis , Composite Analysis

**Practical:** Composite Lab, Structure Lab, Machine Shop, Design Lab, Material Testing Lab

### WORK EXPERIENCE

SN	Position Held	Organization	Year	Experience
1	Training and Placement Officer and Asst Prof.	APS College of Engineering	2021-Aug	Present
2	Manager Business Development	OMS Patent Services	2021 (Jan) -2021 (Aug)	6 Months
3	Senior Advisor	Dysmech Competency Services Pvt Ltd	2019(March) -2021 (Jan)	1 Year 9 Month
4	Assistant Professor	APS College of Engineering	2016 (July)-2019 (March)	2 Years 8 Months
5	Assistant Professor	Bangalore Technological Institute,	2013-2016	3 Years
6	Lecturer	HEA-Polytechnic college	2012-2013	6 months
7	BDE	IMTS- PVT LTD.	2011-2012	6 months
	Total experience			9 years

## Education Credentials:

- Ph.D:
  - Pursuing under Visvesvaraya Technological University (VTU-Belagavi) at NMAMIT, research Centre under Dr. Subramanyabhat in the area of Quality Management, Registered in year 2015
  - Completed Course work and comprehensive viva
- MTech:
  - In Product Design and Manufacturing at PG Centre, Visvesvaraya Technological University (VTU-Belagavi) in the year of 2013.
- MBA:
  - In Total Quality Management from Sikkim Manipal University 2019
- B.E:
  - In Mechanical Engineering from Visvesvaraya Technological University (VTU-Belagavi) in the year of 2011.

## Achievements

- Published 7 Books for VTU Affiliated colleges & also one book was reference book for Dayanand Sagar University\* (Details in Annexure)
- Published about 20+ Papers in National & International Conferences & Journals \* (Details in Annexure)
- Have been Session Chair to conference held in Dubai, Colombo & Bangkok
- Have been Invited Speaker

**International:** Jayawardenepura University, Colombo

**National :** ACS College of Engineering, Bangalore , APS College of Engineering, Bangalore , Atria Institute of Technology, Bangalore, Oxford College of Engineering , Bangalore, SCET-Nagpur , Canara College of Engineering Mangalore Verappa Nisty College Gulbarga

- Wrote Proposals and Received Grants worth 3+ Lakhs\* (Details in Annexure)
- Received YOUNG SCIENTIST AWARD from Institute of Research & Journals Forum
- Received Service for Excellence for teaching award by Rotary International -3190
- Advisory Board for Sourya Ujra Vehicle Championship “SUVC-17-18”, Student’s Solar vehicle championship
- Guru Dhrona Award for guiding students for mnfg of solar car at Solar vehicle competition

## Associations

- General Secretary for Society for Science, Technology, Management & Humanities
- Life Member : Indian Science Congress (CSIR) , Instrumentation Society of India(IISC) , Society For Geomatics
- President at Rotaract Club Koramangala, 2016-17 - Rotary International -3190

- Joint Secretary of Rotary Club of Koramangala 2019-20 - Rotary International -3190
- Secretary of Rotary Club of Koramangala 2020-2021- - Rotary International -3190

## **PERSONAL DATA**

Name : RAVIKUMAR R

Date of Birth : 28<sup>th</sup>December 1988

Permanent Address : No7, 2<sup>nd</sup> cross, Girija Nilaya Chikkadugodi, DRC Post, Bangalore-560029

Marital Status : Married

Nationality : Indian

Languages known : English, Hindi, Kannada and Telugu.

## **Annexure**

### **Books Published**

- “Management and Entrepreneurship Development” for fifth Semester EC/TC/EI as per VTU syllabus of 2015 scheme, Sunstar Publications, Bangalore ISBN-978-9386-550-39-2
- “Management and Entrepreneurship for IT Industries” for fifth Semester CS/IS as per VTU syllabus of 2015 scheme, Sunstar Publications, Bangalore ISBN-978-9386-550-37-8
- “Management and Engineering Economics” for fifth Semester ME, as per VTU syllabus of 2015 scheme, Sunstar Publications, Bangalore ISBN-978-9386-550-439
- “Total Quality Management” for Sixth Semester ME as per VTU syllabus of 2015 scheme, Sunstar Publications, Bangalore ISBN-978-93-85155-56-7
- “Construction Management & Entrepreneurship” for Sixth Semester CV as per VTU syllabus of 2015 scheme, Sunstar Publications, Bangalore ISBN- 978-93-85155-59-8
- “Mechatronics” for seventh Semester ME as per VTU syllabus of 2015 scheme, Sunstar Publications, Bangalore ISBN-978-93-86550-75-0
- “Additive Manufacturing “for Eight Semester ME as per VTU syllabus of 2015 scheme, Sunstar Publications, Bangalore ISBN-978-93-86450-75-1

### **Grants Received**

- Rs 60,000 from DST- NSTEDB for conducting 3 days Entrepreneurship Awareness Camp for year 18-19 & 17-18
- Rs. 8,000 from KSCST-SPP, for student project on “Design & development of Food waste recycling machine”,2015-16
- Rs. 8,000 from KSCST-SPP, for student project on “Portable 3-D Printer”, 2014-15
- Rs. 2,00,000 for Solar Car Project by APS Trust

### **Workshop/ Conference Conducted**

- Organized 3 days National level workshop in Association with SUVC on “Design and Development of Solar Vehicle ”from Nov 2<sup>nd</sup> -4<sup>th</sup> ,2018 at APS College of Engineering.
- Organized 3 days State Level workshop in association with VTU Center of excellence on Aerospace and Defense on “Fundamentals of Aircraft and aerospace Engineering” from Oct 29<sup>th</sup> – 31<sup>st</sup> ,2018 at APS College of Engineering.

- Organized 3 days DST Sponsored workshop on “Entrepreneurship Awareness Camp” from Nov 16<sup>th</sup> -18<sup>th</sup>,2017 at APS College of Engineering
- Organized International Conference and Panel Moderator for International Conference on “Recent trends in Environmental Science & Engineering” at APS College of Engineering on 16-12-2017.
- Organized National Conference on “Recent Advances in Materials” at APS college of Engineering on 15-9-2017.
- Faculty Co-ordinator for National level “Electric Solar Car Vehicle Championship” organized by Imperial Society of Innovative Engineers .
- Conference Chair for International conference on Mechanical, Civil, Electronics & communication & Computer science engineering (ICMCECE-16) held on 23<sup>rd</sup> April 2016, at Bangalore Technological Institute.
- Project Co-ordinator for Enable Makeathon-1—organized by ICRC-Geneva, and supported by IIMB, IITM, IOT-Bangalore, SwissNex and various partners through organizing partner Workbench Projects, 2015

#### **SEMINARS / CONFERENCES ATTENDED:**

- Guest Speaker and Session chair for International conference held at Dubai on Aug 3<sup>rd</sup> and 4<sup>th</sup> ,2018
- Tequip-III sponsored One week Faculty Development programme on “Pedagogy Training in Technical Education” held at VTU-Muddenahalli, from 16-20<sup>th</sup> of January 2018.
- DST-NSTEDB sponsored Two weeks Faculty Development programme on “Entrepreneurship Development” held at ACS college of Engineering, from 16-29<sup>th</sup> of January 2017.
- Attended ISTE sponsored workshop on “CBCS & its Implications” held at APS college of Engineering
- Guest Speaker and Session Chair at International conference held at Bangkok on 5/11/2017
- South Asian Annual Rotaract Conference held at Srilanka , Colombo from Feb-5 to 8,2016
- Work Shop on “Research Methodology” held by VTU-E-learning center at NMAMIT, Nitte.
- Technical Session Chair and invited speaker for International Conference held at Bangalore by IRF 2016
- Technical Session Chair and invited speaker for International conference held at Mysore by IRF 2015

#### **TECHNICAL PUBLICATIONS:**

- Ravi Kumar et al. (2019), “Characterization of Banana and E Glass fiber reinforced hybrid epoxy composites” Elsevier , Materials today: Proceedings
- Ravi Kumar et al. (2019), “Fabrication and characterization of hardness and microstructure of Large Sized Al2014-SiC Composite” Elsevier , Materials today: Proceedings
- RAVI KUMAR R et al. “Study & Review on solid waste management for BBMP” on 16/12/2017 at International Conference on “Recent trends in Environmental Science” APS college of Engineering
- RAVI KUMAR R et al. “Design & Fabrication of Bi-Axial Powder blending machine” on 24/09/2016 at Jain University
- RAVI KUMAR R et al. “Design & Development of a 3-D Printer”, 17<sup>th</sup> may 2015, proceedings of 12<sup>th</sup> “SARC-International Conference” Bangalore, India, ISBN: 978-93-85465-13-0
- RAVI KUMAR R et al. “Conversion of Dissipated Heat Energy into Electrical Energy in IC Engines”, 24<sup>th</sup> may 2015, proceedings of 12<sup>th</sup> “SARC- International Conference” Bangalore, India, ISBN: 978-93-85465-20-8
- RAVI KUMAR R et al., (2015), “Design and Development of Laser Etching Machine”, Proceedings of 13<sup>th</sup> “SARC- International Conference” Bangalore,
- RAVI KUMAR R et al.,(2014), “Design and Development of a Smart Speed Breaker”, Proceedings of 5<sup>th</sup> “International Conference On Mechanical and Production Engineering”, Bangalore ISBN: 978-93-84209-13-1

- RAVI KUMAR R et al.,(2013)“Design And Analysis Of Main Landing Gear Structure Of A Transport Aircraft And Fatigue Life Estimation For The Critical Lug”, Proceedings ,”International Journal of Mechanical and Production Engineering “ ,Volume- 1, Issue- 4
- RAVI KUMAR R et al.,(2013)“Design Of Main Landing Gear Structure Of A Transport Aircraft”, Proceedings, “Inter National Conference on Emerging Trends in Engineering (ICETE-13)”, pp 185-186
- RAVI KUMAR R et al.,(2012) “Ballistic Impact On Composite Materials” , Proceedings, “National Symposium For Materials Research Scholars Mr-12” ,INDIAN INSTITUTE OF TECHNOLOG –BOMBAY.
- RAVI KUMAR R et al.,(2011),“Energy Multiplier Using Magnetic Arrangement”, Proceedings, “National Conference on Emerging Trends In Engineering Technology And Applications (NCETETA-2010)”,Jain University