

## **DR. GIRISH SAPRA**

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**Web of Science researcher ID:** AAV-4904-2021

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### **Career Objective**

To contribute to the growth of startups and entrepreneurs by working in a challenging position where I will have the opportunities to utilise use my qualifications and skills in training & project management and turn into a valuable asset them. I strongly believe that Ph.D. journey is best training for entrepreneurship and have a sturdy aspiration for contributing to the growth of our Nation. I seek company of dedicated people who can help me explore my potential fully and help me further refine my skills. I am punctual, consistent and always curious to learn something new.

### **INTERESTS**

- Mentoring the entrepreneurs at different stages of startups
- Entrepreneurship & Rural technology
- Administration and public relations
- Counselling, Teaching, Training & Project Management
- Leadership and facilities management
- Technology Commercialization

### **CERTIFICATION**

- Certified Atal Innovation Mission (AIM), NITI Aayog - Mentor of Change
- Certified Microsoft Innovative Educator
- Certified Career Counsellor with CDA (Career Development Association), USA
- Certified Member of “International Association of Educators and Corporate Trainers (IAECT).

### **SKILLS**

- Technical writing skills with publications in high impact journals
- Practiced Curriculum design for startups and virtual incubators
- Expertise in planning and coordinating Entrepreneurship development programs
- Ability to work in multi - cultural and multi- functional team environment.
- Proficient in project management
- Well-organized and passionate to deliver work in a timely manner.

### **EDUCATION**

**Dr. BR Ambedkar National Institute of Technology**, Jalandhar, Punjab, India.

Ph.D. (Thermal Engineering) - CGPA: 8.0 (August 2016 - July 2021)

**National Institute of Technical Teachers Training & Research**, Chandigarh, India.

Masters in Engineering (Mechanical Engineering) - CGPA: 8.31 (July 2013- July 2015)

**Shaheed Bhagat Singh State Technical Campus, Ferozepur, Punjab, India.**

B. Tech. (Mechanical Engineering) - Marks: 76.7%

### **TEACHING/METORSHIP AND RESEARCH EXPERIENCES**

**Kids and Teens Education Research Private Limited (K.I.T.E.S.), Rajasthan.**

IEDP Manager & Startup Mentor (Innovation & Entrepreneurship Program) for project Yuva Incubated

August 2021- Dec. 2021.

**Dr. BR Ambedkar National Institute of Technology, Jalandhar, Punjab, India.**

Teaching Assistant (Graduate and post graduate students)

Department of Mechanical Engineering,

August 2016- July 2021.

**College of Engineering and Management, Kapurthala, Punjab, India.**

Assistant Professor

Department of Mechanical Engineering,

August 2015 - July 2016.

### **COORDINATION EXPERIENCE**

**(Startups/Incubators/Conference/Schools/Workshop/Courses/Talks/Webinars)**

- A rich experience of working (management, mentoring and counselling) with 150+ teams of schools and colleges from all across India by actively working as a project manager.
- Experienced in organizing 15 days Entrepreneurial learning web series in coordination with Technology Business Incubator (TBI) of Vellore Institute of Technology, Tamil Nadu, India (21/08/2020 to 7/09/2020).
- Organized and attended a 7 day program as a proactive educator in Innovation and entrepreneurship organized by Yuva Incubated and K.I.T.E.S. education (12/07/2021 to 18/07/2021).
- Experienced in organizing International Conference on the theme of Fostering Innovation & Entrepreneurship in school education to achieve sustainable development goals, in association with K.I.T.E.S. Education in association with Yuva Incubated and I-School Fest. (28<sup>th</sup>-29<sup>th</sup> August 2021).
- Organized a workshop “Managing Entrepreneurship for Sustainable Future” organized by Institute for Policy Research in Economics, Management and Socio Development (IPREMS), Berhampur (04/04/2021).
- Organized an International conference on material science and at NIT Jalandhar engineering (11-12th July, 2019).
- Delivered expert talks in various Engineering Institutes
- Served as a resource speaker several times while working with Yuva Incubated.
- Assisted in the project management of Ph.D., Masters and Bachelors level students and coordinated in various workshops/events/seminars in NITJ.
- Worked for the program management and facilities management during NATIONAL ABILYMPICS held at NITTTR, Chandigarh

- Assisted in various activities such as planning, launching, managing and growing of a NITTTTR, Chandigarh based startup “Enovate Skill”.
- Contributed in Curriculum Design for polytechnic colleges of Punjab, Haryana and Himachal at NITTTTR, Chandigarh
- Attended a short term programme on modelling of metal forming and machining processes (17-22th July, 2017) at NIT Jalandhar.
- Attended a one day workshop on the title “Research paper and report writing using LATEX at Punjab Institute of Technical Teachers Training and Research (PITTTR), Jalandhar. (6/01/2016)
- Presented a review paper at National conference on innovations in civil & mechanical engineering “EZUCURSION 16 “held on 12 may, 2016, at Baddi University of emerging science & technology,.
- Attended a TEQIP-III short term course on industrial engineering: A paradigm shift in manufacturing and service industry organized by department of industrial & production engineering at NIT Jalandhar (06-10th July, 2018).
- Completed an international certified career coach program (Foundation 1), organized by Mindler (29/08/2020 to 30/08/2020).
- Completed the course and passed the exam related to Blue Laser technology conducted by Keyence India Pvt. Ltd (12/10/2020).
- Completed the short term course on “Computational methods and analysis for engineers organized by department of chemical engineering” at NIT Jalandhar (18/11/2020 to 20/11/2020).
- Participated in the 5 Day International summit on “Building Global workforce with academic excellence organized by Basavarjeshwari group of institutions and Dr. Soetomo University, Indonesia (7/12/2020 to 11/12/2020).
- Participated in One Week Expert Talk on Machine Learning for Real-World Problems jointly organized by Chitkara University Research and Innovation Network (CURIN), Chitkara University, Punjab (India) and ITMO University, Russia. (23-27 March, 2021).
- Participated in the national workshop on “Air pollution and health hazards organized by NIT Jalandhar and Punjab pollution control board under National Clean Air Programme (NCAP), GOI an Action Plan for Jalandhar (31/03/2021).
- Participated in a Webinar “Why failure is necessary for success?” organized by GOVT. engineering college Bilaspur (20/03/2021),
- Participated in a Webinar “Success Mantra for jobs in COVID pandemic held organized by Centre for Training and Placement, NIT Jalandhar online on (26/06/2021).
- Participated in TEQIP-III sponsored one week online short term course on “Multi-Scale Computational Fluid Dynamics: Fundamentals and Applications” at NIT Jalandhar (21/09/2020 to 25/09/2020).

### **TRAINING / PROJECTS UNDERTAKEN**

**Leader valves Ltd, Jalandhar, Punjab, India.**

Industrial training on overview of valves manufacturing

06.06.2011 – 18.07.2011

**Swaraj Mazda Limited**, Roper, Punjab, India.

Industrial training on Design, Fabrication and Quality Assessment of different vehicles

01.01.2013 – 30.05.2013

**Shaheed Bhagat Singh State Technical Campus**, Ferozepur, Punjab, India.

Major project: Design and Development of Vehicle Suspension System with Battery Charger

12.01.2012 – 25.05.2012

**COATEC INDIA**, Kurali, Punjab, India.

Major project: Analysis of Structural Design of a Coating Plant Tank

20.12.2014-25.06.2015

### **RESEARCH PUBLICATIONS**

- G. Sapra, S. Chander, Lean blow-off characteristics of a tangential entry type dual swirling free and impinging flame, Fuel. 295 (2021) 1–14. <https://doi.org/10.1016/j.fuel.2021.120598> . **(Impact Factor – 6.609)**
- G. Sapra, S. Chander, Effect of enclosure on heat transfer characteristics of dual swirling flame impinging on a flat surface, Heat Mass Transfer (2021). <https://doi.org/10.1007/s00231-020-03006-5> . **(Impact Factor – 5.295)**
- G. Sapra, S. Chander, Effect of operating and geometrical parameters of tangential entry type dual swirling flame burner on impingement heat transfer., Applied Thermal Engineering.181 (2020). <https://doi.org/10.1016/j.applthermaleng.2020.115936> . **(Impact Factor – 2.464)**
- Sapra, G., Dhama, S. S., Kumar, S., (2016), “Structural Design and Analysis of Water Tanks- A Review”, Proc. ‘National Conference on Innovation in Civil and Mechanical Engineering (EZUCURSION’16)’ May-12, held at Baddi University of Emerging Sciences and Technology, Hiamchal Pradesh, India.

### **SCHOLARSHIPS AND AWARDS**

**Junior Research Fellowship** from the Ministry of Human Resource Development (MHRD), Government of India, to carry out the research work from August 1, 2016 to August 1, 2018.

**Senior Research Fellowship** from the Ministry of Human Resource Development (MHRD), Government of India, to carry out the research work from August 1, 2018 to July 26, 2021.

### **ACTIVITIES**

- Instructed the master level students in Heat transfer research Lab at NIT Jalandhar
- Secured overall 2<sup>nd</sup> position in university and was awarded silver medal during Punjab University Convocation held in March 2016
- Worked as active volunteer and performed in National Abilympics-2014 held at NITTTR, Chandigarh
- Contributed in Curriculum Design for polytechnic colleges of Punjab, Haryana and Himachal at NITTTR, Chandigarh

### **WORK STYLE**

- Excellent communication with fluency in oral and written English
- Strong interpersonal and problem-solving skills
- Willing to perform basic tasks and move on to solve complex problems.
- Able to learn new knowledge and adapt to new environments quickly.
- Strong independent work style and excellent teamwork skills.
- Open minded with a calm and pleasant personality and supportive nature
- High sense of responsibility towards different tasks

## **REFERENCES**

### **Prof. Subhash Chander,**

Department of Mechanical Engineering,  
Dr. B R Ambedkar National Institute of Technology, Jalandhar.  
Contact: +91-9417864015, Email: chanders@nitj.ac.in

### **Prof. Vasudevan Raghwan,**

Department of Mechanical Engineering,  
Indian Institute of Technology, Madras  
Contact: +91-9500067335, Email: raghavan@iitm.ac.in

### **Dr. Tangellapalli Srinivas**

(Associate Professor),  
Dr. B R Ambedkar National Institute of Technology, Jalandhar.  
Contact: +91-805630923, Email: srinivast@nitj.ac.in

### **Prof. Sukhdeep Singh Dhani,**

Department of Mechanical Engineering,  
National Institute of Technical Teachers Training & Research, Chandigarh.  
Contact: +91-9815716891, Email: ssdhami@nitttrchd.ac.in

## **PERSONAL DETAILS**

Father's Name: Sh. Arjun Dass  
Mother's Name: Smt. Subhadra  
Date of Birth: 28/07/1991  
Marital status: Single  
Languages: English, Hindi, Punjabi, Sanskrit

## **DECLARATION**

I hereby declare and affirm that the above mentioned furnished details are true to best of my knowledge and belief and no part of the details has been misrepresented or withheld. Hope to get a favorable response soon.

**DATED:** January 22, 2022

**PLACE:** Jalandhar



**GIRISH SAPRA**



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<https://scholar.google.com/citations?user=cLxXO1MAAAAJ&hl=en>