CURRICULUM VITAE



Permanent / Correspondence Address:
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***Academic Qualification*: -**

- 10th from Board of School Education Haryana.
- 12th from Board of School Education Haryana.

***Technical Qualification*: -**

- Ph.D (Mechanical) from YMCA University of Science & Tech., Faridabad (June 2018).
- M.Tech. (Production Engg.) from Guru Nanak Dev Engg. College (Punjab govt. added status, ranked in top 10 Engg. colleges of Punjab), Ludhiana.
- B.E. (Mech.) from Jamia Millia Islamia (central university), New Delhi (1999).
- Diploma Engg. (Mech.) from Jamia Millia Islamia (1995).

Total Administrative and Teaching experience: 6+20= 26 Years

(a) Administrative Experience (6 years)

i. Worked as Director-Principal (Polytechnic), Pt. L.R. College of Technology (Technical campus), Sohna- Samaypur road, Faridabad (4 years).

ii. Worked as Director/Principal in Rattan Institute of Technology & Mgmt., Palwal (1 year)

iii. Worked as founder Director/Principal in AERP Institute of Technology & Management (Polytechnic), Hodal, Palwal (1 year).

Grant received from Department of Science & Technology (DST), Delhi

A grant of about Rs.19,50,000 (Nineteen Lacks and fifty thousand) was sanctioned by DST, Ministry of Science & Technology, Govt. of India to conduct an ***INSPIRE SCIENCE CAMP from March 26-30th,2012*** at AERP-ITM, Hodal, Palwal. The science Camp was held to motivate and inspire 11th std. talented students (having min. 85% marks in 10th class) to take up science and research as a career. The Science Camps was addressed by renowned scientists & global icons of science & Technology of India.

(b) Teaching Experience (20 years)

i. Presently working as Assistant Professor & Project Coordinator in Shri Vishwakarma Skill University (under state govt. Haryana) since Aug. 2017.

ii. Worked as Associate Professor and HOD (Mechanical) in DITMR college, Faridabad (3 year)

iii. Worked as Assistant Professor, Associate Professor & Head (Mech. Engg. Deptt.) in World Institute of Tech , Sohna, Gurgaon (3 years).

iv. Worked as Sr. lecturer and Lecturer in B.S. Anangpuria Institute of Tech. & Management, Faridabad (4 years).

v. Worked as Lecturer in N.C. College of Engineering, Panipat, Haryana (2 years)

Departmental /Academic activities

- Developed mechanical workshop (machine, carpentry, fitting, welding, sheet metal, forging and foundry section) and Mech. Engg. Labs (second year onwards) in World Institute of Technology Sohna.

- Worked as Controller of Exams (sessional) for B.E. (Mech., ECE, CSE & IT), MBA, BBA & MCA courses in B.S.A.I.T.M., Faridabad.
- Development/maintenance of Mech. Engg. Labs. /Mechanical workshop.

  Worked as Coordinator-Spot Evaluation Center of M.D. University for B.E. courses in B.S.A.I.T.M.

Present Job Profile in Shri Vishwakarma Skill University

Job Profile as Assistant Professor

To take the classes for B.Voc. Mechatronics/ Manufacturing/ Tool & Die Manufacturing/Production-Tool & Die course and D.Voc. Mechanical-Manufacturing courses.

Job Profile as Course Coordinator

(a) *Regular contacts with industry partner*: The students undergo their OJT as part of the curriculum, regular interaction is done with industry partner;

(i) The OJT areas are identified and it is aligned with the semester.

(ii) The rotation of students in different departments of the plants are planned to have the same exposure to the students at the end of semester/year.

(iii) To monitor and assess the OJT with its learning outcomes as aligned with the course in association with the industry partner.

(b) *Developed the course curriculum for the following courses*

(i) Skill Diploma in Press Tool Die manufacturing & Stamping: It is one-year diploma course for ITI pass out students. It is running with Nagata group, Gurugram.

(ii) B.Voc. in Automotive components: It is three-year graduation course for 12^{th} /Diploma Engg. pass out students. It is running Senior India Ltd., Gurugram

(iii) B.Voc. in Tool & Die manufacturing: It is three-year graduation course for 12^{th} /Diploma Engg. pass out students. It is running JBM, Gurugram.

(iv) D.Voc. in Mechanical-Manufacturing: It is three year diploma course for 10^{th} pass out students. It is running Roop Auto Ltd., Gurugram.

Workshops/Programmes attended (11)

1. One week Staff Development Training Program (SDTP, AICTE approved) On "*Mathematical Modeling and Numerical Computation using MATLAB*"` held in IIT Roorkee (Feb. 9-13, 2015).
2. Two days Staff Development Training Program (SDTP, AICTE approved) On "*Applications of Graph Theory- a Novel Technique for Research*" held in YMCA University of science & Technology, Faridabad (Jan. 14-15, 2014).
3. One week Staff Development Training Program (SDTP, AICTE approved) On "*Industrial Applications of Stochastic Modeling & Optimization*" held in IIT Roorkee (Aug. 12-16, 2013).
4. One week Staff Development Training Program (SDTP, AICTE approved) On "*National Workshop on Optimization Techniques & Their Applications*" held in Motilal Nehru National Institute of Technology Allahabad, MNNIT (June 05-11, 2013)
5. Two days Staff Development Training Program (SDTP) On "*Research Techniques & MADM Approaches*" held in YMCA University of Science & Technology, Faridabad (April 16-17,2013).
6. Two days Staff Development Training Program (SDTP, AICTE approved) On "MATLAB" held in Maulana Azad National Institute of Technical, Bhopal, M.P. (Feb. 27-28, 2013).
7. Two days Staff Development Training Program (SDTP, AICTE approved) On "*Numerical Methods for Science & Engineering*" held in Maulana Azad National Institute of Technical, Bhopal, M.P. (March 21-22, 2013).
8. One week Staff Development Training Program (SDTP, AICTE approved) On " *Enhancing organizational competitiveness in the era of globalization & liberalization*" held in Dr. B.R. Ambedkar National Institute of Tech. Jalandhar, Punjab (04-4-2010 to 9-4-2010)
9. One week Staff Development Training Program (SDTP, AICTE approved) On " *Welding: A Roadmap to Excellence*" held in Dr. B.R. Ambedkar National Institute of Tech. Jalandhar, Punjab (27-12-2010 to 31-12-2010)
10. Two weeks Staff Development Training Program (SDTP, AICTE approved) On "

Renewable Energy`` held in Manav Rachna college of Engg., Faridabad (9-06-2007 to 21-07-2007)

11. Two weeks Staff Development Training Program (SDTP, AICTE approved) On " *Experimental Techniques : A Holistic Approach*`` held in Raj Kumar Goel Institute of Tech., Ghaziabad (19-06-2006 to 01-07-2006)

Papers Publication in International / National Conferences (05)

1. National Conference held on "Developments in Renewable Energy & Future Trends in Mechanical Engineering (DREF-2020)" (Feb. 27, 2020) on "Mathematical Modeling for performance improvement for skim milk powder production system: A case study" (Organized by Mewat Engineering College, Nuh, Haryana).
2. National Conference held on "Recent trends in Mechanical Engineering-2015" (Jan. 24, 2015) on "*Performance modeling and optimization for the skim milk powder production system of a dairy plant*" (Organized by Rawal Institute of Engineering and Technology, Faridabad).
3. National Conference held on "Emerging Technologies in Mechanical Engineering" (Jan. 24-25 2014) on "*A Markov model for performance evaluation of a butter oil production system of a dairy plant*" (Organized by Echelon Institute of Tech., Faridabad).
4. International Conference held on "Chemical, Environmental and Bioprocess Engineering" (Dec. 21-22, 2013) on "*Performance modeling and availability analysis of skim milk powder production system of a diary plant*" (Organized by Krishi Sanskriti, Delhi).
5. 14th ISME International Conference held in Delhi College of Engg. (Dec, 12-14, 2005) on "*Experimental setup to investigate the effect of grain orientation on mechanical properties and spring back for EDD sheet*".

Papers publication in International referred/Scopus Indexed journals (10)

(1) Anil Kr. Aggarwal (2020), "Performance improvement of a crystallization system through optimization and sensitivity analysis", International Journal of Quality & Reliability Management (Emerald), https://doi.org/10.1108/IJQRM-06-2020-0184

(2) Anil Kr. Aggarwal, Sanjeev Kumar and Vikram Singh (2017), "Availability analysis and performance optimization of a butter oil production system: a case study", International Journal of System Assurance Engineering and Management (Springer), Vol. 8(1), pp. 538-554.

(3) Anil Kr. Aggarwal, Sanjeev Kumar and Vikram Singh (2017), "Mathematical modeling and fuzzy availability analysis for serial processes in the crystallization system of a sugar plant", Journal of Industrial Engineering International (Springer), Vol. 13, Issue 1, pp. 47-58.

(4) Anil Kr. Aggarwal, Sanjeev Kumar and Vikram Singh (2017), Reliability analysis and performance optimization of the serial process in refining system of a sugar plant, "International Journal of Industrial and Systems Engineering", International Journal of Industrial and Systems Engineering (Inderscience), Vol. 26, No. 2, pp. 149-181.

(5) Anil Kr. Aggarwal, Sanjeev Kumar and Vikram Singh (2016), "Reliability and availability analysis of the serial processes in skim milk powder system of a dairy plant: a case study", International Journal of Industrial and Systems Engineering (Inderscience), Vol. 22, No. 1, pp. 36-62.

(6) Anil Kr. Aggarwal, Sanjeev Kumar and Vikram Singh (2016), "Mathematical modelling and fuzzy availability analysis of skim milk powder system of a dairy plant", International Journal of System Assurance Engineering and Management (Springer), Vol. 7, No. 1, pp. 322-334.

(7) Anil Kr. Aggarwal, Sanjeev Kumar and Vikram Singh (2016), "Performance modeling of the serial processes in refining system of a sugar plant using RAMD analysis", International Journal of System Assurance Engineering and Management (Springer), Vol. 8, No. 2, pp. 1910-1922.

(8) Anil Kr. Aggarwal, Sanjeev Kumar and Vikram Singh (2015), "Mathematical modeling and reliability analysis of the serial processes in feeding system of a sugar plant",

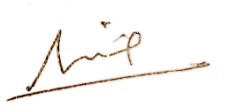
International Journal of System Assurance Engineering and Management (Springer), Vol. 9, No. 1, pp. 435-450.

(9) Anil Kr. Aggarwal, Sanjeev Kumar and Vikram Singh (2015), "Performance modelling of the skim milk powder production system of a dairy plant using RAMD analysis", International Journal of Quality & Reliability Management (Emerald), Vol. 32, Issue 2, pp. 167-181.

(10) Anil Kr. Aggarwal, Sanjeev Kumar, Vikram Singh and Tarun Kr. Garg (2015), "Markov modeling and reliability analysis of urea synthesis system of a fertilizer plant", Journal of Industrial Engineering International (Springer), Vol. 11, Issue 1, pp. 1-14.

Papers accepted for publication in International referred/Scopus Indexed journals (01)

(1) Anil Kr. Aggarwal, "Simulation modeling for performance optimization of the skim milk powder production system of a dairy plant" International Journal of Industrial and Systems Engineering (Inderscience).



Date: 18/01/2021 (Dr. Anil Aggarwal)

Place: Faridabad