

CURRICULUM VITAE

ASSOC. PROF. AJAY KUMAR AGARWAL

Ph.D.-ME(Pursuing with Pre-Thesis Stage), M.TECH.(ME), M.B.A.(OB & HRD); B.TECH.(ME)
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CAREER OBJECTIVE

To work in a challenging environment and strive for symbiotic growth through synergized efforts.



PROFESSIONAL EXPERIENCE

Total Professional Experience of More than 14.07 Years as detailed below:-

Teaching Experience: >10.06 Years + Parallel Research Experience: >10.06 Years

Employer (Name & Address of the Organization)	Designation	Experience	
		From	To
J. B. Knowledge Park, Faridabad (NCR, Haryana)	Assoc. Professor – Faculty of Mech. Engg. Department	June, 2019	Till Continue
Manav Rachna University, Faridabad (NCR, Haryana)	Asstt. Professor – Faculty of Mech. Engg. Department	March, 2015	May, 2019
Jagan Nath University, Jhajjar (NCR, Haryana)	Asstt. Professor – Faculty of Mech. Engg. Department	August, 2014	December, 2014
N.C. Institute of Technology, Israna (Panipat, Haryana)	Lecturer (Asstt. Prof.) – Faculty of Mech. Engg. Department	February, 2014	August, 2014
R.I.M.T, Chidana, Gohana (Sonipat, Haryana)	Asstt. Professor – Faculty of Mech. Engg. Department	January, 2013	February, 2014
G.E.C, Naultha (Panipat, Haryana)	Asstt. Professor – Faculty of Mech. Engg. Department	March, 2012	December, 2012
Government Polytechnic, Hisar (Haryana)	Guest Lecturer – Faculty of Mech. Engg. Department	October, 2009	May, 2010

Job Profile:

- 1) Teaching/lab examination work.
- 2) Guidance/counseling to students, helping in their personal, ethical, moral & overall development.
- 3) Self development through up-gradation of qualifications, experience & professional activities.
- 4) Mobilization of resources for the Department/Institution.
- 5) Former Member of NBA Committee.

Industrial Experience: 04 Years 01 Month

Employer (Name & Address of the Organization)	Designation	Experience	
		From	To
SAN Automotive Industries Pvt. Ltd., Faridabad (Haryana)	Manager (Maintenance, Mech. Engg. Deptt.)	November, 2008	October, 2009
Jindal Poly-Buttons Ltd., Hisar (Haryana)	Manager (Maintenance, Mech. Engg. Deptt.)	March, 2008	October, 2008
Chiripal Industries Ltd. - Fibre Division, Ahmedabad (Gujarat)	Shift Engineer (Maintenance, Mech. Engg. Deptt.)	August, 2005	March, 2008

Job Profile:

Maintenance of the Production Unit.

Job Responsibilities:

- ✓ Maintenance of equipments and maintain the same including maintaining records for the same.
- ✓ All appropriate resources requirements for enhancing Mechanical Maintenance capabilities and request the same from the Reporting person.
- ✓ Maintain quality system related to Equipment & Machinery maintenance, monitor and improve on continuous basis.

RESEARCH & DEVELOPMENT (R & D) ACTIVITIES FOR THE ME DEPARTMENT OF A UNIVERSITY & OF TECHNICAL INSTITUTIONS

(1) At Department of Mechanical Engineering in MRU, Faridabad (Haryana)

- 1) **Invigilator in Final University Examinations** within the **University**.
- 2) **Principal Research Guider & Coordinator** for 3 groups (4+4+3 students respectively) of ME 6th Semester Students from **2017 to May, 2019**.
- 3) **Sponsor & Students Coordinator** - Organized, Managed and Arranged Sponsors alongwith their Financial & Physical Contribution & ME Students for their Research Topic for **National Conference on ESTESME-2017** dated **April 01, 2017** at **MRU of MREI, Faridabad**.
- 4) **Associate Faculty Member** of **MRU CLANS** named “**AIR FALCON**” and earlier “**FOREST RHINOS**” to maintain and conduct Curriculum and Co-curriculum activities (i.e. **PALI Village** visit in **August 2018**) of ME Students of MRU from **since 2017**.
- 5) **Training & Industrial Visit Coordinator** of Students of **all engineering branches**.
- 6) **Lab Procurement and Development Coordinator** of **ME Department** from **since 2015**.
- 7) **Internal Examiner Coordinator** for organizing, managing and maintaining the **External Examiners** (with approx. **98%** contribution role of only with my directly involvement with external relationship with surrounding teachers of MED) for Examinations & Practicals of ME Department from **since 2015**.
- 8) **Subject Coordinator** of **Quality Engg. (7th Sem.); K.O.M. (4th Sem.)** of **M.D.U.** and **Subjects of M.Tech.–ME (Production & Manufacturing Engg.)** of **MRU**.
- 9) **Mentor of B.Tech. - ME [Batch 2014-18 (Section B)]** Students from **2016 to 2018**.
- 10) **Former Mentor & Dissertation Guider** of **Batch 2015-17** Students of **M.Tech.–ME (Production & Manufacturing)**.
- 11) **Former Programme & Syllabus Coordinator** of **Programme & Syllabus Design** of **M.Tech. – ME (Production & Manufacturing Engg.)** during **2015-2017**.
- 12) **Former Summer Training Incharge** of **Post 2nd Year** Students during **2015-16 & 2016-17**.
- 13) **Former Member** of **NBA Committee**.

(2) At Department of Mechanical Engineering in JNU, Bahadurgarh (Haryana)

- 1) **Lab Procurement and Development Coordinator** of **ME Department** in **2014**.
- 2) **Training & Industrial Visit Coordinator** of Students of **all engineering and non-engineering branches**.
- 3) **Mentor of B.Tech. (ME)** Students of **Batch 2014-15**.

(3) At Department of Mechanical Engineering in NCCE-RIMT-GEC, Panipat (Haryana)

- 1) **Lab Procurement and Development Coordinator** of **ME Department** from **2012-2014**.
- 2) **Played Role of Research Guide** of **B.Tech. (ME)** from **2012-14**.
- 3) **Assistant Superintendent and Invigilator** in **Final University Examinations** within the **College**.
- 4) **Training & Industrial Visit Coordinator** of Students of **all engineering branches**.
- 5) **Subject** alongwith its course book selection, maintenance and purchasing coordinator for both the **Faculty members** and the **ME students** during duration of a particular semester session of the running **UG & PG Batches**.

ACADEMIC ACCOLADES

- Pursuing Ph.D.** from **I. K. Gujral Punjab Technical University, Kapurthala (Jalandhar, Punjab)** since **2014**. (**Course Work completed with 72.67%; Synopsis Acceptance Stage Completed & Now Working on Ph.D. Thesis alongwith Publication of its Research Papers**)
- M. Tech.(Mechanical Engg.)** from **Manav Bharti University, Solan (H.P.)** in **2012** (Scored **71.53%**)
- M.B.A. (OB & HRD)** from **G. J. U, Hisar (Haryana)** in **2008**. (Scored **55.02%**)
- B. Tech. (Mechanical Engg.)** from **Jind Institute of Engg. & Technology, Jind (Haryana)** (Affiliated to Kurukshetra University, Kurukshetra (Haryana) in **Aug., 2005**. (Scored **68.93%**)
- XIIth** from **Board of Secondary Education, Haryana** in **March, 2001**. (Scored **60.25%**)
- Xth** from **Board of Secondary Education, Haryana** in **March, 1998**. (Scored **73.00%**)

RESEARCH INVOLVEMENTS

Patents

- (1) **Title of Invention:** Artificial Intelligence Based Smart Door System & Method Thereof
{Published in **Official Journal of Indian Patent** via **Application No. 202141025551-A** dated

25/06/2021 & & having Australia Patent No. 2021103949 (Eight Years from July 07, 2021)}

Field of Invention: Electronics

Abstract: The present invention generally relates to a system and the method for artificial intelligence based smart door with voice recognition for home safety. The system comprises a door body positioned at an entrance at a house; a camera associated with the door body for capturing and thereby recording real time image/video of visitors; and a speech recognition device configured with natural language processing engaged with the door body for recognizing audio of the visitor for opening the door.

No. of Pages: 24

No. of Claims: 10

Books Publications

➤ **Research Books = 04 Nos. (03 Nos. in Germany with ISBN No. & 01 No. in USA)**

Research Papers Publications

➤ **Published in Referred Journals/Publication Houses {SCOPUS; SCI; ESCI; Web of Science; UGC-Cared Group-II Listed Journals Abstracted/Indexed} = 03 Nos. & 03 Nos. (Under final Review)**

➤ **Published in International Referred Journals/Publication Houses = 14 Nos.**

➤ **Published in National Referred Journals/Publication Houses = 03 Nos. & 01 No. (Under final Review)**

➤ **Research Papers Presented in International Conferences = 05 Nos.**

➤ **Research Papers Published in International Conferences = 01 No.(SCOPUS Indexed Journal)**

➤ **Research Papers Published in National Conferences/Referred Journals = 10 Nos.**

➤ **Research Papers Published in Seminars = 01 No.**

Conferences Attended = 03 Nos.

Summit Attended = 01 No.

Workshops/Awareness Programs Attended = 08 Nos.

Lecture, Talks, Interaction & Meeting Sessions Attended = 08 Nos.

Seminars & Webinars Attended = 27 Nos.

FacultyDevelopmentProgramme(FDP)/SkillDevelopmentProgramme(SDP) Attended = 14 Nos.

Exhibition Programme Attended = 01 No.

ROLE OF ORGANISER

Lectures Arranged = 01 No.

Workshops/Awareness Programs Organized = 03 Nos.

PROFESSIONAL AFFILIATIONS

>151 Professional Memberships (Editor-in-Chief + Committee Member + Member + International & National Editorial Board Member + International Editorial/Publication Coordinator + Associate Board Member + Life Time Member + Advisory Board Member + Professional Member + Reviewer Board Member + SAS Young Research Fellow Member + Brand Ambassador + Expert Reviewer + Committee Member + Lead Guest Auditor + Editorial & Associate Editorial Board Member + Member + Society Member + Expert Reviewer + Technical Session Chairperson + Sponsorship alongwith their Physical cum Financial Support Coordinator cum Manager + Principal Students Research Topic and Research Work cum Principal Research Guider cum Coordinator cum Manager + Publicity Committee Member) with both National & International level reputed & esteemed Research Journals + Publication Houses + Conferences + Research Managing & Research Organizations) and having RG Score of 3.93 (Earlier reflected 12.41 in January 2021) with Citations of 34 & h-index of 4 and h-index of 2 (excluding self-citations) since FY 2021-22.

RESEARCH WORK GUIDED

Introduction To Research (ITR) Group of MRU = 3 Groups (4, 4 & 3 students respectively in each group) of ME 6th Semester Students from 2017 to May, 2019).

Dissertation / Thesis of PG Students of ME Department of MRU = 02 Nos.

- ❑ National Conference dated 01 April, 2017 by ME Department of MRU.

PRACTICAL INDUSTRIAL TRAININGS

- ❑ Industrial Visit Coordinator for Industrial Visit of ME Students of MRU to Maruti Suzuki Plant, Gurugram in 2017.
- ❑ Industrial Visit Coordinator for Industrial Visit of Engineering Students of JNU to Neemrana, Rajasthan in 2014.
- ❑ Industrial Visit Coordinator for Industrial Visit of ME & MBA Students of JNU to Parle Products Pvt. Ltd., Bahadurgarh (Haryana) in 2014.
- ❑ Inplant Practical Training in Jindal Stainless Ltd., Hisar from June 09, 2004 to July 17, 2004.
- ❑ Inplant Practical Training in H. P. Cotton Textile Mills Ltd., Hisar from July 28, 2003 to Aug. 25, 2003.

SKILL SET

- ❑ Familiar and competitively operative with Learning Management System (LMS) and Enterprise Resource Planning (ERP) Softwares of MRU, Faridabad.
- ❑ Designing Software – AutoCAD 2008.
- ❑ NIIT Certificate of 30 Hours Course entitled Programming in C with 82% in July, 2002.
- ❑ Basics of a Computer working and operating knowledge.

ASSETS

- Committed to excellence, industrious and meticulous.
- Dedicated towards work and capable of producing results under pressures and meeting the deadlines.
- Energetic, Enthusiastic, Optimistic and ability to accept & to tackle with the challenges.
- Zeal to navigate uncharted areas and looking for challenging tasks to accomplish.

HONOURS, AWARDS & ACHIEVEMENTS

I had/have been achieving Awards and even selecting as an Awardee under Honours, Awards & Achievements tag as per below mentioned bequeathed details:

- ❑ **Achieved Award (By Self Endeavour Only without any single support of My Employer(s)):**
 - 1) **“InSc Research Excellence Award 2021”** in conjunction alongwith **“Premium Membership with added Technical Benefits”** in the Yearly Research Categories of **“Award Results 2021, Vol. 6, Issue 5”** by Awards Committee of **“An ISO 9001:2015 certified Institution by International Accurate Certification (IAC), accredited by United Ackreditering Services Ltd. (UASL), England, UK [2510/QMS/0818]”** institute named **“Institute of Scholars (InSc) [A unit of Selfypage Developers Pvt. Ltd. (SDPL) - Registered under Ministry of MSME, Government of India], Bengaluru, Karnataka, India”** in June 2021.
 - 2) **“InRes Distinguished Professor Award 2021 (DPA 012115)”** in the Yearly Research Categories of **“Award Results 2021”** by Awards Committee of **“United Accreditation Foundation (UAF, USA) + International Accreditation Forum (IAF, USA) + ISO-9001:2015 Certified + BIAA + Accreditation Assessment for Certification Bodies (Canada) + The Institution of Biomedical Engineers (India) + Global Edu Connect (UK)”** accredited **“Institute of Researchers (InRes), Kerala, India”** in June 2021.
 - 3) **“Innovative Professor of The Year 2021”** by **Global Teaching Excellence Awards (GTEA) 2021 (Awards & Conference dated 17th July, 2021)** through Virtual Mode at Microsoft Teams, CA & Virtually hosted from India organized by **Kiteskraft Productions LLP, Ludhiana (India)** in partnership with **KITES Education + BRAINPOWER SERVICES + KITES ROBOTICS + YUVA Innovator + SCHOOL FEST.**
 - 4) **“India Prime Icon (IPI) Award 2021”** in the category of **“Educationalist”** for my enduring commitments to exceptional contributions towards the society in respects both of my education and research work by **FOXCLUES Pvt. Ltd. (Internet Marketing with Technology), India** in Association with **Hindustan Times + 91.1 FM Radio City + ZEE NEWS + RVCJ** in **May 2021.**
 - 5) **“Bronze Medalist”** in **1600 Metre Team Time Track** event under **Fatehabad Unit** of the **26th Haryana State Cycling Championship, 2003-04** organized by **District Cycling Association**

(D.C.A.), Kurukshetra (Haryana, India) on 27th to 29th March 2004 in Kurukshetra (Haryana, India).

- 6) Project Demonstrator of MECHANICAL ENGG. DEPTT. of J.I.E.T., Jind (Haryana, India) at State Level Tech Fest within the J.I.E.T., Jind (Haryana, India) during Session 2005-06.
- Selected as an Awardee, but had/have not being abled for further proceeding of attaining & even not attained "Award" physically/even through courier delivery only due to the regular playing/played non-supportive cum non-responsive nature, which regards both in terms of theirself technically & financial provisos, of my both current & earlier Employers especially with their an/other esteem regular Employee(s) cum Professional Teacher(s), like me:
- 1) Has been selected for the awards of "InRes Research Excellence Award 2021 (REA 012112)" + "InRes Young Researcher Award 2021 (YRA 012119)" in the Yearly Research Categories of "Award Results 2021" by Awards Committee of "United Accreditation Foundation (UAF) + International Accreditation Forum (IAF) + ISO-9001:2005 Certified+BIAA + The Institution of Biomedical Engineers, India" accredited "Institute of Researchers (InRes), Kerala, India" in June 2021.
 - 2) Has been selected for the awards of "Prestigious Scientist Award" & "Scientist Award" in the Research Categories of "HYDRA 2021" of an event named "International Scientist Awards on Engineering, Science and Medicine" by VDGOOD Professional Association, India at Hyderabad, India on 22th & 23th October 2021.
 - 3) Has been selected for the award of "Scientist Award" in the Research Category of "International Scientist Awards on Engineering, Science and Medicine" by VDGOOD Professional Association, India at Trivandrum, India on 28th & 29th August 2021.
 - 4) Has been selected for the awards of "Inspirational Scientist" & "International Scientist Award" in the Research Category of "10th International Scientist Award on Engineering, Science and Medicine" by VDGOOD Professional Association, India at Hyderabad, India on 26th & 27th September 2020.
 - 5) Has been selected for the award of "Young Scientist Award" in the Research Category of "International Best Scientist Awards 2020" by VDGOOD Professional Association, India in December 2019 for "ISBA 2020" in New Delhi, India on 18th-19th January 2020.
 - 6) Has been selected for the award in the Research Category of "Excellent Reviewer Award 2019" by MT Research & Educational Services (MTRES), East Delhi, India during "Research Excellence Award 2019 (REA 2019)" in Association with Buzzingg, Upalabdhyan and Indian Achievers Story on 18th May 2019.
 - 7) Has been selected for the award in the Research Category of "Best Research Award" in "202nd International Research Awards on Engineering, Science and Management" at Delhi, India organized by International Society of Engineering of International Organization of Scientific Research and Development (IOSRD), Chennai (TamilNadu, India) on 27th-28th March 2019.
 - 8) Has been selected for the award in the Research Category of "Research & Innovation / Academician (Region wise)" by J. Scientific Research (JSR) Lab of J. Scientific Research (JSR) Private Limited (Scientific Research Company), Pune, India during "Global Intellect Educational Summit Awards 2018, Pune, India" in Association with Asian Society for Scientific Research, India on 07th April 2018.

REFERENCES

- 1) **Dr. Harshit Sinha** - Director of an Engg. Institution [J.B.Knowledge Park (J.B. College), Manjhawali, Faridabad (Haryana, India)]. Contact Details: director@jbcollege.in; M: +91-8800643550.
- 2) **Dr. Sujata Nayak** - Head & Prof. of MED at Manav Rachna University, Faridabad (Haryana, India). Contact Details: sujata@mru.edu.in; M: +91-9968239148.
- 3) **Prof. (Dr.) Vinay Goyal** – Vertical Head at IT (Program Governace and Excellence) of iNurture Education Solutions Pvt. Ltd., Bangalore, India; Former Professor & Deputy Dean of CSE Department of Chandigarh University, Chandigarh, India. Contact Details: vinayeq@yahoo.com; M: +91-8178653119.
- 4) **Dr. Rakesh Kumar Sharma** - Associate Prof. of MED at S.B.S.S.T.C., Ferozpur (Punjab, India) & Principal Research Guider of my Ph.D. Research Work. Contact Details: rakesh1607@gmail.com; M: +91-8054011055.
- 5) **Mr. Arpan Manchanda** - Director of Technical at Veenus Engg. Pvt. Ltd., Panipat (Haryana, India);

Former Head & Asstt. Prof. of MED at Smalkha Group of Institute, Smalkha (Panipat, Haryana, India); Former Head & Asstt. Prof. of CED at Geeta Engg. College, Naultha (Panipat, Haryana, India); Former Head & Asstt. Prof. of MED at Royal Instt. of Management & Technology (Saraswati Group of Institutions), Chidana, Gohana (Sonipat. Haryana, India).

Contact Details: arpan.veenusa@gmail.com; M: +91-8222915333.

6) **Dr. Dharamvir Mangal** - Assistant Prof. in MED of Gautam Buddha University (GBU), Greater Noida (U.P., India). Contact Details: mangaldharamvir1@rediffmail.com; M: +91-9416574918.

7) **Dr. Parul Gupta** – Professor in MED of Moradabad Institute of Technology (MIT), Moradabad (U.P., India). Contact Details: parulgupta197@gmail.com; M: +91-7017995927 & +91-9412354389.

8) **Prof. (Dr.) Rohit Garg** - Director of an Engg. Institution [Moradabad Institute of Technology (MIT), Moradabad (U.P., India)]; Earlier Director of Engineering Institute [G.N.I.O.T., Knowledge Park-II, Greater Noida (U.P., India)].

Contact Details: director@mitmoradabad.edu.in & rohit_garg123@yahoo.com; M: +91-8860606667.

9) **Prof. (Dr.) Rajesh Gargi** - Director of an Engg. Institution [PKG College of Engineering and Technology (PKGCE & T), Panipat (Haryana, India)]; Earlier Director of Engineering Institute [Mahavir Swami Institution of Technology (MSIT), Sonipat (Delhi NCR), Haryana (India)].

Contact Details: gargirajesh@rediffmail.com; M: +91-7988440397 & +91-9416561866.

PERSONAL DOSSIER

Father's Name	:	Mr. Neki Ram Agarwal
Mother's Name	:	Mrs. Shashi Agarwal
Date of Birth	:	November 23, 1982
Gender	:	Male
Nationality	:	India
Marital Status	:	Married
Linguistic Abilities	:	English, Hindi
Aadhar Card Number	:	6981-6615-9155
Passport Number	:	L-7880881

ASSERTION

I hereby solemnly assert that the above furnished information are true and correct to the best of my knowledge. I also undertake to present all supporting documents, upon request.

(Assoc. Prof. Ajay Kumar Agarwal)