

Resume

1. Personal Particulars

- Name - OHOL SHANTIPAL SURESH, PhD (Mech)
FIEI, SMIEEE, MISOI, MTRS, MSAE, MIPE, MISTE, C'Engr.
- Present Occupation - Associate Professor in Mechanical Engg. Dept, COEP Tech
Head, Center of Excellence in Robotics & Artificial Intelligence
- Qualification - B.E. (Mech), M.E. (Manuf & Auto), Ph.D. (Mech)
[all courses at Govt. College of Engg Pune (COEP), SPPU, Pune]
- Total Experience - **Academic** –29 Yrs, **Industrial** –1.7 Yrs, **Research** –17 Yrs, **Administrative**–15 Yrs,
Research - **Principal Investigator** – Rs 99.60 lakhs Research Project of DRDO, Govt of India
Funded Projects – 03 of Rs @30 Lakhs for CARS at DRDO, Patent awarded – 02
- Student Projects - **UG** - BE / BTech (Mech)– 60+, **PG** – 51+ MTech. (Design, Mechatronics, Auto, AI&R, R&AI)
Ph.D. supervised – 03 completed & 05 in process.
- Publications - Books – 02 Book Chapter - 02 **Patents** –Awarded 4 & In process – 2
International Journal – 29 National Journal – 3
International Conference – 62 National Conference – 5
- Awards - International – 5 National – 4 Institute Level – 8
- Grants Received - **Research Projects** -CARSE, DRDO – 3 nos. - **@ Rs 30 Lakhs** - Completed
TEQIP (I, II & III) & Institute – **@ Rs. 1,06,32,680/-** Utilised
Siemens Industry Software(India)Pvt. Ltd–**@Rs 25,50,000/-**(2017-19) - Utilized
VOLKSWAGEN India Pvt. Ltd., Pune – **Rs 3,50,000/-** (2017) - Utilized
WIPRO - PARI Ltd, Pune – **Rs 2,50,00,000/-** (2022) – In process
ARMREB, DRDO, Ministry of Defence – **Rs 99,60,650/-** (2024) – In process
- Institutional Portfolios- Academic Council Member – COEP Technological University, Pune
Chairman, Scholarship Committee – COEP Technological University Pune
Head, Center of Excellence in Robotics & AI, COEP Technological University Pune
UG Course Coordinator – BTech (Robotics & AI)
PG Course Coordinator–MTech (Robotics & AI)
Faculty Adviser – Robot Study Circle (RSC), COEP Tech University, Pune
Advisor – The Robotics Society, India, Student Chapter at COEP Tech Univ Pune
Lab. In-charge – Centralized Robotics & Automation Lab, COEP Tech Univ Pune
- Past Activities - A World Bank Project -Technical Education Quality Improvement Prog (TEQIP) :- Asst.
to Procurement Coordinator-TEQIP-I, Institute Procurement Coordinator TEQIP-II & III
Advisor -Mechanical Engineering Students Association [MESA], COEP Tech Univ Pune
Institute Magazine Faculty Advisor & Institute Stationery In-charge
- Country Visited - Japan (2006 & 2018), Thailand (2006, 2007 & 2024) Malaysia (2007), USA (2008),
Indonesia (2014), Singapore (2014), Shri Lanka (2015), Hong Kong (Oct 2010, 2018),
Spain (2020), Dubai (2020), Estonia (2023,2024, & 2025), Finland (2025), Sweden (2025)



Activities/ Other Portfolios -

- 1] Chair - IEEE Pune Jt. Chapter Robotics & Automation and Control Systems
- 2] Member - PGD-18 Committee, Bureau of Indian Standards (BIS), India
- 3] Ex-Member - Governing Council of The Robotics Society (TRS), India
- 4] Member - Chief Judges Panel at National ROBOCON, DD & IITD / MIT
- 5] Zonal Editor - Association for Machines & Mechanisms (AMM)
- 6] Ex-Member - ADMB research board at ARMREB, DRDO, Delhi
- 7] Member - Expert for Central Assessment Board, Ministry of Defence, DRDO
- 8] Advisory Committee Member - ICAARS 2022, PSG CoT, Coimbatore
- 9] Advisor - Centre for Robotics Automation, IoT, NIRMA Univ, Ahmedabad
- 10] Juror - CII National Selections for World Skills International Competition 2013
- 11] Judge - First Lego League (FLL), India Competition 2013-14
- 12] Judge - Robotic Competition CME Milbotics 2019-20
- 13] Judge - Robocup 2019 National Level Robotic Competition, NIRMA Univ.
- 14] Judge - FTC Asia Pacific Regional Robotics Competition, Pune 2023
- 15] Chief Mentor & Jury - Regionals, Nationals & International Robotics Championship - Robotex 2023
- 16] Member - AICTE Syllabus Committee for BTech (Robotics & AI) & Minor Degree Course in Robotics
- 17] Member - BOS, RAC, DAB, Syllabus committee in Robotics at Engineering Colleges & Universities
- 18] Ex-Member - Vidyalay Management Committee of Kendriya Vidyalaya, CME, Dapodi, Pune

2. Professional Memberships

Name / Abbreviation	Type of Membership	Awarding Institute	Date of award
LMISSE	Life Member	Indian Society of Systems for Science & Engg	2024
SMIEEE	Senior Member	IEEE & IEEE Robotics and Automation Society	2022
MSAE	Member	Society of Automotive Engineers	2022
MTRS	Life Member	The Robotics Society, India	2012
FIE	Fellow	The Institution of Engineers (India)	2010
MISOI	Member	Instrument Society India	2010
MIE	Member	The Institution of Engineers (India)	2008
C'Engr	Chartered Engineer	The Institution of Engineers (India)	2003
MIPE	Member	The Indian Institute of Production Engineers	1998
MISTE	Life Member	Indian Society for Technical Education	1997

3. Affiliations (Details)

- 1) **Member BIS** - PGD 18 Committee (PGD-Production and General Engineering Department- and PGD 18-Industrial and Production Automation Systems and Robotics Sectional Committee) of **Bureau of Indian Standards, India**.
- 2) **Chairmen of a Track-9** for robotics, control, instrumentation and Automation at 6th International conference on Intelligent Technologies (**ICIT – 2021**) organized by Asian Society for Research in Engineering Sciences (ASRES) and SPJ Centre for Multi-disciplinary Research (SCMR), which will take place on 17 -19 December 2021 at Hotel Holiday Inn Singapore Orchard City Centre, Singapore.
- 3) **Ex-Member ARMREB Panel** (Aug 2014 to Oct 2019) in Armament Design, Mechanism and Ballistics (ADMB) a panel of Armament Research Board, **ARMREB of DRDO**, India.
- 4) **Students Coordinator of Governing Council of The Robotics Society, India** (TRS, India).
- 5) **Member** of Panel of Judges at **ROBOCON** a national robotics competition organized by Door Darshan, India for ABU International robotics competition.
- 6) **Chief Mentor & Jury** – for Regionals and Nationals of Robotex 2022, 2023 & 2024 organized by Robotex India with RSC, COEP Tech Pune & participated in International Robotex event at Tallin, Estonia in Nov 2023 & Dec 2024.
- 7) **Zonal Editor of News letter of Association for Machines and Mechanisms (AMM)**, (Indian affiliate of IFToMM). AMM organises the International & National Conference on Machines & Mechanisms, iNaCoMM, & workshops on Industrial Problems on Machines and Mechanisms.
- 8) **Chief Judge** at Robotic Competition **CME Milbotics 2019-20** on 16th Jan 2020 at College of Military Engineering Pune (CME).
- 9) A curriculum development committee member for a **Minor Degree course in Robotics** of **AICTE, Delhi**, Oct 2020.
- 10) A curriculum committee member for a Model curriculum of **UG Degree course in Robotics and Artificial Intelligence** for **AICTE, Delhi** during Dec 2021.
- 11) Advisor Committee Member of **Centre for Robotics & Automation** at Institute of Technology, **NIRMA University (ITNU)**, Ahmedabad, April 2019.
- 12) **Session Chairmen at ARMS 2021** of Modeling & Simulation of Mechanism, INSARM has been organising national conferences on Aerospace and Defence Related Mechanisms (ARMS) is presented at ARMS 2021, the 12th National Conference & Exhibition on Aerospace & Defence Related Mechanisms on “Recent Innovations and Challenges in Aerospace & Defence Mechanisms” by INSARM, held at ARDE, Pune on 02–04 Dec 2021.
- 13) **Session Chairmen at Session III: ICIT – 2021**, 6th International conference on Intelligent Technologies (ICIT – 2021) jointly organized by Asian Society for Research in Engineering Sciences (ASRES) and SPJ Centre for Multi-disciplinary Research (SCMR), on 17 -19 December 2021 at Singapore.
- 14) **Chair of Joint Chapter of IEEE** in "Robotics and Automation & Control System" in the Pune region.
- 15) **Track Chairmen** at ICAME 2022 - A 2nd International Conference and Exposition on Advances in Mechanical Engineering (ICAME-2022) at Department of Mechanical Engineering, COEP during 23-25 June 2022.
- 16) **Track Chairmen at ICIT 2021 till 2025** (Track 9 -- Robotics, Control, Instrumentation and Automation), 6th International conference on Intelligent Technologies (ICIT – 2021) jointly organized by Asian Society for Research in Engg Sciences (ASRES) & SPJ Centre for Multi-disciplinary Research (SCMR), on 17 -19 Dec, 2021 at Singapore.

4. Industry / other organization's coalitions

- 1) **Project review committee member** for different projects at various DRDO laboratories.
- 2) **Executive Committee member** of Robolab Technologies Pvt Ltd, Pune - Sept 2016, a start-up of RSC, students
- 3) **Technical Advisor** to Combat Robotics India Pvt Ltd., Pune - Dec 2017, a start-up working for defense services.
- 4) **Technical Advisor on the Board** of iTech Robotics & Automation Pvt. Ltd., Pune 410501.
- 5) **Consulting Director** at AIRo Technologies, Pune, (Artificial Intelligence & Robotics Innovation Startup), Pune.
- 6) **BOS Member** - for the Bachelors / UG course in Robotics various well known Engineering Colleges & Universities

***** * *****