

Professor Prasad Yarlagadda's Research Well Adopted as per needs of Engineering Industry

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I know Prof. Prasad Yarlagadda for around 15 years since I joined Queensland University of Technology (QUT), Brisbane as Lecturer in 2007. I still remembered that Prasad welcomed me to QUT in my first day commencing in QUT. At that time, he was leading Built Environment Engineering (BEE) Faculty as Deputy Director, Centre for Built Environment Engineering Research and also Assistant Dean (Research) in BEE faculty. In addition, he was Director, Smart Systems Research theme and Head, Discipline of Mechanical, Manufacturing and Mechatronics Engineering in QUT.

During the 7 years' time when he was leading Smart Systems Research, he mentored number of early career researchers and women academics. He supported impartially all the researchers to achieve success in their career. I am one of these researchers who has benefited significantly from Prasad's excellent mentorship and support. I must say that Prasad's support has significantly helped me to achieve research and teaching excellence; he promoted me to a full professor within 6 years and be the first ARC Future Fellowship recipient in QUT.

Prasad is a wonderful teacher and well-liked by students, peers, and superiors. He is very versatile teacher as he used to teach number of subjects dealing different aspects of Manufacturing and Advanced Materials by highlighting their applications to different fields of automotive, aerospace, and biomedical sectors. He contributed teaching leadership activities at high level by leading a national level project and developed framework for Supervision of International Higher Degree Research Students by international supervisors. Prasad's contribution in higher education sector is very well recognised as he was first Higher Education Academy Principal Fellow, from our school and only second person received this highest status in our faculty. Prasad also first mechanical engineer who received Order of Australia Medal (OAM) from Governor General of Australia in 2016 in recognition of his outstanding contribution to Engineering Discipline and included his name in Queen's Birthday Honours List.

Prasad is a lifelong learner and researcher and adopted his research as per needs of engineering industry. He started his career in undertaking research in Sheet Metal Forming that is relevant to mainly automotive industry. He subsequently undertaken research in high energy rate manufacturing and creating new research areas in QUT in broad field of Microwave applications for different

manufacturing engineering industries. After developing some of the well-advanced rapid product development techniques for benefit of large number of SME's, he moved into Additive Manufacturing applications for aerospace, automotive and biomedical industry.

Over past decade Prof. Prasad's research helped more than 50 Ph.D students completion with more than 500 peer reviewed papers and \$16M research income from various national/international funding agencies, Australian and Asian industries in particular, Korea, Singapore, Malaysia, India and China. His most recent work in development of antipathogenic surfaces that killed SARS-CoV-2 virus in less than six hours received global attention with high quality publications that have significant impact in health care research.

I would like to sincerely congratulate Prof. Prasad Yarlagadda for receiving '*Researcher of the Year 2020*' from International Association of Advanced Materials, Sweden in recognition of his outstanding work and significant efforts in combating COVID-19.

In my current role of Head of School of Mechanical, Medical and Process Engineering (MMPE) and Director, ARC Industrial Transformation Training Centre for Joint Biomechanics, Prasad's support and mentor role in promoting most of the researchers of MMPE school and providing strong support to me is greatly appreciated. He is the most important asset of our school and our university. I wish him well for his future endeavours and wish him best both for his professional and personal life.

About author



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