

# Curriculum Vitae of P. R. Dadigamuwa

Eng.(Mrs) P.R.Dadigamuwa  
BSc Eng (Hons) (Moratuwa), MPhil (OUSL)  
MIE(SL), CEng  
Senior Lecturer- Gr I  
Open University of Sri Lanka (OUSL)



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## Academic and Professional Qualifications

- BSc Eng (Hons) (University of Moratuwa, Sri Lanka) (Specialization-Materials Engineering)
- MPhil (Open University of Sri Lanka)
- MIE(SL),
- Chartered Engineer (CEng)

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## Professional Experience

- Senior Lecturer in Mechanical Engineering Department at OUSL.
  - Head of the Department of Mechanical Engineering from 2008 February to 31<sup>st</sup> January 2011 ( 3 year term).
  - Chartered Engineer at the Institute of Engineers Sri Lanka
  - 37 years working experience as an academic at the Open University of Sri Lanka.
  - Research was carried out at Ratmalana Glass Factory on Annealing of glass leading to M.Phil Degree.
  - Conducted day schools (lectures) and practical classes for Bachelor of Technology students on Materials Engineering and Materials & Manufacturing courses.
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- Academic co-ordinator of Management for Engineers, Materials Engineering and Materials and Manufacturing Technology courses.
  - Supervision of under graduate projects.
  - Followed a training course in Designing Distance Education Programmes in SCOTTSSU International Ltd in UK.
  - Training on Distance Education Management in Sukothai Thammathirat Open University in Thailand and Open University of Malaysia
  - Conducted lectures on Materials Engineering as a Visiting academic in Asian Aviation center at Ratmalana and American National College (ANC)
  - Conducted lectures on Glasses for B.sc Eng. Final Part III students at University of Moratuwa
  - Conducted practical classes on Materials Engineering at OUSL laboratory on consultancy basis for students in ANC, ICBT, CINEC Meritime campus at Malabe
  - Served as a Visiting academic at CINEC Meritime campus.
  - Served as a Consultant at Institute of Engineers in SriLanka-College of Engineering –Engineering programme development
  - Served as a Faculty representative at the Senate and Bylaws committee
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## **Research Experience**

- Research was carried out on Annealing of Glass at Ratmalana Glass Factory.
  - Mathematical equation (Adam Williamson equation) was modified for the process of Bottle Manufacturing at Ratmalana Glass Factory by finding the annealing constants using stress analysis
  - Research work on Shrinkage was carried out in order to determine the factors for damages at Ceylon ceramics corporation at Piliyandala
  - Research on Distance Education
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## **Research Publications**

- Annealing of Glass, OUR journal, 1995, Vol:1(4) Page 31 to 43, Open University of Sri Lanka
  - Influence of Lehr parameters-SLAAS annual sessions, 1992
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- Factors affecting on student unsuccessfulness in Engineering programmes in distance education- International Journal of Instructional Technology and Distance learning, June 2005, Volume 2 Number 6
  - Motivating factors that affect enrolment and student performance in an ODL Engineering programme- IRRODL E- Journal- Section-Research notes-Vol.13, No. 1 (2012)-(Pages238-249)
  - Low cost Automated Machine for Paper Gathering and Folding- European Journal of Advances in Engineering and Technology (EJAET) ,2015-volume 2, Issue 2 (pages 40-43)
  - Copper separation from Burned out Charcoal-Copper Mixture (Wastage Recycling)- European Journal of Advances in Engineering and Technology (EJAET) ,2015-volume 2 Issue 12 (pages 21-24)
  - Waste Heat Recovery from printing Lehr of Glass Manufacturing process- European Journal of Advances in Engineering and Technology (EJAET) , 2018-volume 5, Issue 8 (pages 521-524)
  - Minimizing the shaft Failure and Bearing Failure of Cold Rolled Ribbed Steel Bar Machines-Annual sessions of IESL,2019, Institute of Engineers, Sri Lanka
  - Identification of defects in Aluminium Profiles using vision based system, Global Scientific Journal: Volume 8, Issue 7, July 2020, Online: ISSN 2320 9186
  - Improving the Productivity of D-Brackets Manufacturing Process, Available online [www.ejaet.com](http://www.ejaet.com)  
European Journal of Advances in Engineering and Technology, 2020, 7(8):17-20

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### Referees-

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This is to certify that the above details provided by me are true and accurate to the best of my knowledge.

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