

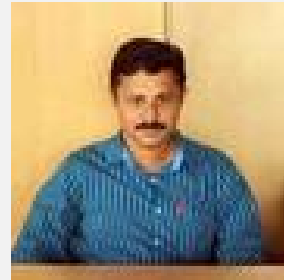
ARUN PRASAD K.M.

PROFILE

Assistant Professor (Electrical Engg.)

Model Engineering College,
Ernakulam.

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EDUCATION

Pursuing Ph.D in the
area of Control
Systems

Cochin University of Science and Technology, India,

M.Tech –Control
Systems

University of Kerala, First Class

B Tech – Electrical
Engineering

NSS College of Engineering College, Palakkad, University of
Calicut

AREAS OF INTEREST

Electrical Machines, Control Systems, Drives and Control, Soft Computing, Power
Electronics

PUBLICATIONS

International Journals

[1] Arun Prasad K.M., Usha Nair, "Sensorless fuzzy control of a DC motor", *Nonlinear Dynamics (Springer)*, volume73, number 3, pp.1933-1941, 2014.

[2] Arun Prasad K.M., Usha Nair, Unnikrishnan A., "Fuzzy Sliding Mode Control of a Switched Reluctance Motor ", *ELSEVIER Procedia Technology* 25, pp.735 – 742, 2016

[3] Arun Prasad K.M., Bindu M.Krishna, Usha Nair, "Modified chattering free sliding mode control of DC motor", *International Journal of Modern Engineering Research (IJMER)*, vol.3, Issue.3, pp.1419-1423, June-July 2013.

International Conferences

[1] Arun Prasad K.M., Usha Nair, Unnikrishnan A., "Fuzzy Sliding Mode Control of a Permanent Magnet Synchronous Motor with two different Membership Functions", *Proceedings of IEEE International Conference on Power, Instrumentation, Control and Computing (PICC)*, pp.1-6 December 2015

[2] Arun Prasad K.M., Usha Nair, Unnikrishnan A., "Fuzzy Sliding Mode Control of a Switched Reluctance Motor ", *ELSEVIER 1st Global Colloquium on Recent Advancements and Effectual Researches in Engineering, Science and Technology – RAEREST2016*, April 2016.

[3] Arun Prasad K.M., Usha Nair , "An Intelligent Fuzzy Sliding Mode Controller for a BLDC Motor", *IEEE International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2017)*, Bangalore, February 21-23, 2017, pp.274-278

COURSES HANDLED

| Sl.No | Course Name | UG/PG |
|-------|--|---|
| 1 | Introduction to Electrical Engineering | B Tech Electrical & Electronics Engg. (KTU) |

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|--|------------------------------------|--|
| 2 | Synchronous and Induction Machines | B Tech Electrical & Electronics Engg. (KTU) |
| 3 | Advanced Control Theory | B Tech Electrical & Electronics Engg. (KTU) |
| 4 | Electrical Machine Design | B Tech Electrical & Electronics Engg. (KTU) |
| 5. | Design of Digital Control Systems | B Tech Electrical & Electronics Engg. (KTU) |
| 6 | Circuits and Networks | B Tech Electrical & Electronics Engg. (CUSAT) |
| 7 | Power Electronics | B Tech Electrical & Electronics Engg. (CUSAT) |
| 8 | Electrical Machines | B Tech Electrical & Electronics Engg. (CUSAT)) |
| 9 | Soft Computing | B Tech Electrical & Electronics Engg. (CUSAT) |
| 10 | Linear Control Systems | B Tech Electrical & Electronics Engg. (CUSAT) |
| OTHER DUTIES/RESPONSIBILITIES | | |
| Staff In Charge of Electrical Association 'Electrical Minds Forum' | | |

Assistant warden, College Hostel

Member, Institutional Technical Committee

Staff Advisor to 2018-22 batch Electrical & Electronics Engineering