



Rahul Kumar

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ABOUT ME

PhD scholar @ Sapienza University of Rome, Italy.
Ex-MSc scholar and Graduate Assistant, UTP, Malaysia.

WORK EXPERIENCE

01/01/2019 – 30/12/2021 Seri Iskandar, Malaysia
GRADUATE ASSISTANT UNIVERSITY OF TECHNOLOGY PETRONAS

-Teaching Students
-Handling Labs
-Taking care of exams and assignments

01/02/2018 – 30/12/2018 Karachi, Pakistan
DESIGN AND SITE ENGINEER YH ASSOCIATES AND CONSULTANTS

-Worked on designing of HVAC systems
-Handled Site assigned by Company

01/02/2017 – 30/01/2018 Karachi, Pakistan
LAB ENGINEER (INTERN) NED UNIVERSITY KARACHI SINDH PAKISTAN

- Lab work
-Organising courses and workshops

EDUCATION AND TRAINING

01/01/2022 – CURRENT Rome, Italy
PHD (ELECTRICAL ENGINEERING) Sapienza University of Rome

01/01/2019 – 28/05/2021 Bandar Seri Iskandar, Malaysia
MSC IN ELECTRICAL AND ELECTRONICS ENGINEERING University of Technology PETRONAS

14/01/2013 – 30/12/2016 Nawabshah, Pakistan
BACHELORS OF ENGINEERING IN ELECTRICAL ENGINEERING QUEST Nawabshah Pakistan

DIGITAL SKILLS

Microsoft Office (Microsoft) | PSIM medium level | Plexim-PLECS | Matlab/Simulink | Altium Designer (Good) | microsoft Visio

LANGUAGE SKILLS

Mother tongue(s): **SINDHI**



Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	B2	C1	C1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

PUBLICATIONS

[A High Gain Switched Z-Source Converter with Reduced Passive Components](#) – 2020

Rahul Kumar, Ramani Kannan, Nursyarizal Bin Mohd Nor (Solid State Technology)

[A High Step-Up Switched Z-Source Converter \(HS-SZC\) with Minimal Components Count for Enhancing Voltage Gain](#)

– 2021

Rahul Kumar, Ramani Kannan, Nursyarizal Bin Mohd Nor (Electronics)

[An Efficient Design of High Step-Up Switched Z-Source \(HS-SZSC\) DC-DC Converter for Grid-Connected Inverters](#)

– 2022

Rahul Kumar, Ramani Kannan, Nursyarizal Bin Mohd Nor (Electronics)

[Maximum PowerPoint Tracking Using Perturb & Observe Algorithm For Hybrid Energy Generation](#) – 2020

Ghulam E Mustafa Abro, Gulbadin Khan Kakar, Rahul Kumar, Mudasar Zafar

[Piece-wise Linear Fuzzy Sliding Mode Controller for Deep Submergence Rescue Vehicle \(DSRV\)](#) – 2021

Saba Javed, Ghulam E Mustafa Ab, Rahul Kumar

[An Enhanced Voltage gain switched Z-source Converter with Minimal Components](#) – 2020

Rahul Kumar, Ramani Kannan*, Nursyarizal Bin Mohd Nor (ESTCON 2020)

[Prototyping Pro- active Wearable Gadget for the Surveillance of Coal Miners in Pakistan](#)

Rahul Kumar, Ramani Kannan, Jayasankari Ganasan, Ghulam E Mustafa Abro (IVC-AISC 2020)

[Design of a self-tuningPID controller for a temperature control system using Fuzzy Logic](#) – 2020

Md. Tauhidul Islam, Ariful Islam, Rahul Kumar, Ghulam E Mustafa Abro (IVC-AISC 2020)

[Hybrid Control Design for Improvising the Performance of Multi-tap Variable Shunt Reactors](#) – 2021

Ghulam E Mustafa Ab, Rahul Kumar*, Zuhaina Zakaria, Suresh Kumar (ICPEA)

[Dynamic Modeling of COVID-19 with an Impact of Lockdown in Pakistan and Malaysia 2021](#) – 2021

Ghulam E MustafaAbro, Maheshwari R, Rahul Kumar*, ArifullIslam, Vipin Kumar

[Modeling,Controlling & Stabilization of Underactuated Air-Cushion Vehicle \(Acv\)](#) – 2021

Ghulam E Mustafa Abro, Maheshwari R, Rahul Kumar* Saba Javed, Zain Anwar Ali (ICSIPA)



HONOURS AND AWARDS

01/01/2019

Award of Graduate Assistantship (GA) full scholarship offered by one of the leading research institutes in the world UTP Malaysia. – University of Technology PETRONAS Malaysia

01/01/2022

PHD (PON Scholarship) – Sapienza University of Rome

12/10/2018

IELTS – British Council

REFERENCES

Dr. Dileep Kumar

State Key Laboratory of Industrial Control Technology, College of Control Science and Engineering, Zhejiang University, Hangzhou 310027, China. (d.k@zju.edu.cn)

Associate Professor Ghulam Sarwar Kaloi

Electrical Engineering Department, QUEST Nawabshah, Sindh, Pakistan.
(ghulamsarwar.kaloi@quest.edu.pk)

Senior Lecturer, Dr. Ramani Kannan

Department of Electrical and Electronics Engineering, UTP Malaysia (ramani.kannan@utp.edu.my)