



Rahul Kumar

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● ABOUT ME

PhD scholar @ SapienzaUniversity 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*, ArifulIslam, 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)