



University of Central Punjab, Lahore

Directorate of Research

Research Grants and Projects:

Project Title	Establishment of National Center of Robotics and Automation, Human-centered robotics lab, UCP				
Description	The goal of this project is to engineer assistive devices aimed at improving walking function in polio patients. The device mainly consists of a knee-ankle-foot orthosis which can be worn by the user on the affected leg.				
Faculty Member	Faculty	Funding Agency	Period	Total Amount in PKRs	Status
Dr. Zohaib Aftab	Faculty of Engineering	HEC	2017-2019 11,160 USD	1.762 Million	In-process
Web links: www.ncra.org.pk Research Group: N/A Research Lab: Bio Mechatronics lab, UCP Lahore					

Project Title	Intelligence and Autonomy Extension for Low Cost Freshwater Inspection Vehicles				
Faculty Member	Faculty	Funding Agency	Period	Total Amount In PKRs	Status
Dr. Syed Atif Mehdi	Faculty of Information Technology	DAAD, Germany	2019-2021 Euros: 40,000/- per year	6.879 Million	In-process
Web links: https://www.daad.de/en Research Group: N/A Research Lab: Center of Robotics, UCP Lahore					

Project Title	Forest Monitoring and Change Detection using Remote Sensing Data				
Faculty Member	Faculty	Funding Agency	Period	Total Amount	Status
Dr. Syed Atif Mehdi	Faculty of Information Technology	DAAD, Germany	2018-2020 Euros: 40,000/- per year	PKRs: 6.879 Million	In-process
Web links: https://www.daad.de/en Research Group: N/A Research Lab: Center of Robotics, UCP Lahore					

Project Title	Detection of Fungus in Fields using Autonomous Robots				
Faculty Member	Faculty	Funding Agency	Period	Total Amount	Status
Dr. Syed Atif Mehdi	Faculty of Information Technology	DAAD, Germany	2017-2019 Euros: 40,000/- per year	PKRs: 6.879 Million	In-process
Web links: https://www.daad.de/en					
Research Group: N/A					
Research Lab: Center of Robotics, UCP Lahore					

Project Title	Optimization, Validation and Multiplexing of 11CHRX MiniSTRs in Pakistan Population				
Faculty Member	Faculty	Funding Agency	Period	Total Amount	Status
Dr. Mushtaq A. Saleem	Faculty of Life Sciences	Pakistan Science Foundation	2018-2019 RKR: 2.11 Million for two years	PKRs: 1.05 Million	Completed
Web links: https://www.psf.gov.pk					
Research Group: N/A					
Research Lab: N/A					

Project Title	IGNITE Final Year Projects Funding				
Description	The program aims to assist final year undergraduate students of ICT related disciplines studying in the Institutions by providing them financial assistance for developing prototypes/working models of their Final Year Projects (FYP) in order to increase creativity, innovation and hands on engineering and development skills [Ignite-Website]				
Faculty Member (Focal Person)	Faculty	Funding Agency	Period	Total Amount	Status
Dr. Ali Faisal Murtaza	Director Research & Faculty of Engineering	R&D - Ignite	2019	PKRs: 0.386 Million	Completed
Web links: https://ignite.org.pk/human-resource-development/					
Research Group: N/A					
Research Lab: N/A					

Project Title	ASIA-CONNECT Project “ICT Research and Development for Rural/Remote Areas of Pakistan”				
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Description	Many rural areas, hospitals, schools, colleges and village towns are without communication and internet facilities. This is one of the major causes of backwardness and poor social/economic conditions of rural community. The proposed solution consists of the design and development of a wireless system that could be deployed off the grid at the locations without power or network infrastructure. A wireless back-haul mechanism will be developed based on multi-hop techniques and long distance WiFi terminals to connect the rural community with the internet coverage and to connect Open BTS base stations to the outside world.				
Faculty Member (Focal Person)	Faculty	Funding Agency	Period	Total Amount	Status
Dr. Muhammad Majid Gulzar	Faculty of Engineering	TEIN	2020 Euros: 50,000/-	PKRs: 8.37 Million	In-process
Web links: https://www.tein.asia/main/?mc=0 Research Group: N/A Research Lab: N/A					