Bio-data of Co-PI

Name : A Radhanand

Gender: Male

Date of birth: 1/9/1961 Age: 57 yrs

Designation and Affiliation: Associate Professor, ECE at GRIET

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Qualifications:

S.No	Degree	Institution	Year
01	MS(ECE)	JNTU, Hyderabad	2008
02	MS(Software Systems)	BITS, Pilani	2006
03	BE(ECE)	Andhra University, College of Engineering	1983

S.No	Position and Organization	Nature of job	Period
01	Senior Manager, BHEL Corporate R&D, Hyderabad	Engineering R&D	1985-2005
02	GM, Nalanda Telematics & Informatics, Hyderabad	Project proposals and management	2005-2008
03	Associate Professor, GRIET, Hyderabad	R&D, Lab modernization, Workshops	2008 till date

Employment Experience:

Experience of Technology Development:

Development of IOT eco-system at GRIET:

GISMO(GRIET IOT Sensor Module), a hardware board with microcontroller, sensors and Wi-Fi developed as a base sensor data acquisition board for IOT applications, along with our own web services and mobile apps to form an entire in-house eco-system for IOT projects. 100 numbers produced and used for workshops and academic projects

Development of a suite of add-on boards for Arduino platform:

For microcontroller lab, developed a suit of add-on boards for the Arduino platform: motor control, real-time clock, LCD display, Bluetooth, Zigbee, triac for appliance control. Microcontroller Lab using the Arduino platform with these in-house developed modules

Development of suite of products for Home Automation

A suite of custom built microcontroller based products developed for home automation applications such as intruder detection, LPG gas leak detection, occupancy sensors, access control. The products are custom built, microntrollerbased , Zigbee enabled and powered from the mains or from a battery

Development of G-RoVe (GRIET Robot Vehicle)

G-RoVe, a microcontroller based robot vehicle with RF based remote control and provisions for sensors developed in-house. Projects such as obstacle avoidance, wall following, line following and goal finding executed. 100 numbers produced and used for workshops and academic projects