RV Educational Institutions ®
RV College of Engineering ®

Autonomous Institution Affiliated to Visvesvaraya Technological University, Belagavi | Approved by AICTE, New Delhi, Accredited By NAAC, Bengaluru And NBA, New Delhi

Go, change the world

Industry Certified Research Internship

Centre of Excellence in Internet of Things
Certification by cisco

Group-I: Intelligent Analytics

1. Development of an efficient model for demand forecasting for Hospitality Management
2. Supply Chain Management using Machine Learning Techniques
3. Study of Narcotic Criminals held for possession of Commercial Quantity
4. Web/Android application to perform Analysis and prediction of crop yield with fertilizer recommendation / Intelligent Agriculture app
5. Framework for pest detection from crop by image processing/Smart pest detector
6. Predictive Maintenance of Software Systems
7. Video Analytics for Traffic management
8. Waste Management Rescue
9. Real Time Video Analytics for Intelligent and Smart Traffic Management

Group-II: Embedded System Group

1. IoT augmented Respiratory Health Monitoring and Assessment
2. IoT enabled anxiety and panic attack detection
3. IoT Enabled Smart Device to Monitor and Track Patients During Pandemics
4. IoT enabled scanner analyzer for blood smear analysis

Group-III: IoT Application Development Group

1. Building high precision weather station and integrate with IoT dashboards (NodeRed or Thingsboard)
2. Web based dashboard and api to access the weather station in an aquaponics unit
3. Creating a portable digital microscope for plant monitoring and expert interactions in aquaponics
4. IoT web portal to automate the plants growth monitoring in soil and soil less media
5. IoT Web portal for aquaponics farm management
6. Android based Mobile Application for Geriatric Care
7. IoT application for Livestock Management
8. e-kirana : Smart web portal for kirana stores
9. Dashbutton development for gariatric care

Group-IV: Networking for IoT

1. Automated shop trajectory findings(based on shopping list)
2. Security defense deployment for different VLAN infrastructure in Shopping mall/complex.
3. Automatic Billing System in Mega Mall
4. Customer service requirements application (App) for shopping mall
5. Smart Vehicle Parking

Group-V: RF System Design and End-to-End IoT Network Deployment Module

1. Validation of different types of Wireless Access Networks for IoT
2. Control and monitoring LoRa network without Base station

Group-VI: Industrial IoT group

1. Automated job tracking in Discrete Production Industry
2. Development of Automated Conveyor system
3. Job Tracking
4. Multi Robot coordination using Interlocking system
5. Communication & Coordination for multi Robots

Group-VII: Intelligent Systems group

1. Face Mask Detection
2. Marine Species Clustering and Categorization
3. Traffic management through Satellite images
4. Traffic Sign Recognition System for driver assistance
5. Underwater Mine (Naval Mine) Detection

For Information Contact:
Dr. N.K. Srinath, *Coordinator-CoE-IoT,*
Email ID: srinathnk@rvce.edu.in
Mobile: 985292550
Dr. Renuka Prasad B, *Assoc. Professor, MCA*
Email ID: renukaprasadb@rvce.edu.in
Mobile: 9901945674