Kaushalchandra Ramsajivan Dubey

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EDUCATIONAL QUALIFICATIONS

MS, Telecommunications Engineering **Expected May-2018**

University of Maryland, College Park, MD

GPA: 4.0/4.0

BE, Electronics and Telecommunications **June 2015**

University of Mumbai, India

GPA: 4.0/4.0

TECHNICAL EXPERIENCE

DEPLOYMENT AND ANALYSIS OF GSM, WCDMA and LTE Network **October 2016-December 2016**

- **Phase 1:** Deployed 25 base stations that provided maximum possible network coverage in Downtown DC and surrounding areas based on coverage specifications.
- **Phase 2:** Modelled cellular sites using Mentum Planet to optimize Equivalent Isotropic Radiated Power(EIRP), path loss model, terrain height, antenna orientations and downtilting. Performed optimization drive test to collect, process data and alter propagation models.
- **Phase 3:** Provided LTE coverage using 3 base stations to the university campus to ensure a minimum data rate of 2.5Mbps.
- **Phase 4:** Analyzed Microwave Interference and Cost Sharing on POSEIDON AWS Interference Calculator.

WIRELESS HELICAM PROJECT **August 2014-June 2015**

- Designed and built a quad-copter based on the concepts of aerodynamics which could be controlled using radio transmissions.
- Incorporated sensor data using KK2 board and feedback loop maintained by the Mega324 microcontroller.
- Simulated and tested the product using Proteus Software.

CISCO CERTIFIED NETWORK ASSOCIATE TRAINING **July 2016**

- Understood OSI Model, TCP/IP protocol suite (IP, ARP, ICMP, TCP, UDP)
- Studied IP addressing, subnet designing, difference between distance vector and link vector protocols.
- Studied various routing protocols- RIP V1/V2, OSPF, IGRP, EIGRP and BGP
- Analyzed bridging and switching concepts and LAN technologies
- Configured Cisco Routers using RIP, IGRP, OSPF, EIGRP

COMPUTER SKILLS

Programming Skills: C, C ++, JAVA, MATLAB, AUTOCAD

Protocols Knowledge: TCP-IP, ARP, RIPv1, RIPv2, EIGRP, OSPF, BGP

Applications: Mentum Planet, POSEIDON, Microsoft Office, PROTEUS

ACTIVITIES

- Build an IoT Device using TI Microcontroller LaunchPad, Wi-Fi BoosterPack and Energia
- Analyzed the concepts of DAS, MIMO, small cells, fractional frequency reuse, Bluetooth, ZIGBEE in an Advanced Wireless Course
- Presented projects based on Security Systems in technical fests held by the college

HONORS AND AWARDS

Scholarship of $6000 in high school by the Government of Maharashtra State Board **March 2011**