JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh (India)

Projects/Internship/Field visits

AY : 2021 - 2022

Program Code	Program Name	Projects		Internships		Field visits	
		No of projects	Total no. of students	No. of Internships	Total no. of students	No. of Field visits	Total no. of students
021A04	B.Tech – Electronics and Communication Engineering	15	56	3-2 Internships--51 2-2 Internships--05	61 58		
021D14	M.Tech – I&CE	09	16				
021D36	M.Tech –C&C	14	17				

Coordinator

HOD/Director
HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
UCEK JNTUK, KAKINADA

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

Program Code: 021D16 Program Name: M.TECH Instrumentaion and Control engineering

S.NO	ROLL NO	NAMES	GUIDE NAME	PROJECT TITLE	Dates (Duration)	Organization Location
1.	19021D1402	Bolla Vijaya Uma Naga Sai Syam	Smt.K.Jhansi Rani	Battery Protection in PV application and parameter estimation of PV module using an metaheuristic Optimization Technique	12 Months	JNTUK
2.	19021D1405	Kommanaboina Manoj Kumar	Smt.P.Pushpalatha	Deep -learning- based low light image enhancement with hue correction scheme	12 Months	JNTUK
3.	19021D1406	Meka Nani	Dr.K.Rama devi	Antenna array gain and capacity improvement of ultra-wide band systems using novel analog architecture	12 Months	JNTUK
4.	19021D1408	Rongali Lakshmana Kumar	Dr. M.Sailaja	Robust Fractional order PID tuning method for a plant with an uncertain parameter	12 Months	JNTUK
5.	19021D1413	P.Ramya	Dr. B. T. Krishna	Digital Implementation of Fractional Order PID-Type Controller for Boost DC–DC Converter	12 Months	JNTUK
6.	19021D1414	Jetty Lokesh	Dr .A.M. PRASAD	Design of a low power and high speed voltage level shifter by using 45nm CMOS	12 Months	JNTUK
7.	19021D1415	S.J Surya Prakash	Dr. R.Madhu	Temperature control using optimization techniques	12 Months	JNTUK
8.	19021D1420	Kola Sai Veera Krishna	Dr B. Leela Kumari	Image Compression based on Adaptive Prediction and Block based Entropy Coding for medical image Sequences	12 Months	JNTUK
9.	19021D1421	K.Raja Naguru Babu	Dr.K.Rajasekhar	Tuning of a PID controller using evolutionary multi objective optimization methodologies and application to the pulp and paper industry	12 Months	JNTUK

Program Code: 021D36 Program Name: M.TECH Computers & Communications

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

UNIVERSITY COLLEGE OF ENGINEERING KAKINADA (A),

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA

CERTIFICATE

This is to certify that the Thesis/Dissertation work entitled **"FIREFLY OPTIMIZATION ALGORITHM BASED PID CONTROLLER TUNING IN PAPER MACHINE"** that is being submitted by **KOTHAPALLI RAJA NAGURU BABU** bearing **Roll.no: 19021D1421** in partial fulfilment of the requirements for the award of the degree of the **Master of Technology** in **"ELECTRONICS AND COMMUNICATION ENGINEERING"** with **INSTRUMENTATION AND CONTROL ENGINEERING** to the University College of Engineering Kakinada (A), Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by her under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other university or institute for the award of any degree or diploma.

Project Guide

Dr. K. RAJASEKHAR

Assistant Professor

Department of ECE, UCEK (A)

Head of the Department

Dr. B. T. KRISHNA

Professor

Department of ECE, UCEK (A)

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

Department of Electronics and Communication Engineering

University College of Engineering, Kakinada (Autonomous)

Jawaharlal Nehru Technological University Kakinada

Andhra Pradesh, India-533003

CERTIFICATE

This is to certify that the Project Report entitled **"EVALUATION OF FUZZY LOGIC, ANFIS AND IC CONTROLLER'S PERFORMANCE IN A PV APPLICATION"** is a bonafide record of work done by **Mr. B.V.U.N.SAI SYAM,** Regd. No **19021D1402** under the guidance of **Mrs. K. JHANSI RANI** in partial fulfillment of the requirement for **Master of Technology** in **Electronics and Communication Engineering,** with specialization **Instrumentation and Control Engineering** in **University College of Engineering, JNTUK Kakinada** during the academic year 2019-2021.This is to certify that this project work has not submitted to any other institute or organization for the award of any degree or diploma.

Project Guide

Mrs. K. Jhansi Rani

Assistant Professor,

Department of ECE,

UCE Kakinada,

JNTUK Kakinada

Head of the Department

Dr. B. T. Krishna

Professor,

Department of ECE,

UCE Kakinada,

JNTUK Kakinada

HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
UCEK JNTUK KAKINADA

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

UNIVERSITY COLLEGE OF ENGINEERING KAKINADA (AUTONOMOUS)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

ANDHRA PRADESH, India-533003

CERTIFICATE

This is to certify that the project report entitled " **PID TUNING FOR CONTROLLING THE TEMPERATURE OF ELECTRIC FURNACE BY USING HARMONY SEARCH ALGORITHM**" is being bonafide record submitted by **S.J. SURYA PRAKASH**, bearing **Reg. No. 19021D1415** under the esteemed guidance of **Dr.R.Madhu** in partial fulfilment of the requirement for **Master of Technology** in **Electronics and Communication Engineering**, with **Instrumentation and Control Engineering** in University College of Engineering,JNTUK Kakinada during the academic year2019-2021.

This is to certify that the project work has not submitted to any other institute or organization forward of any degree or diploma.

09/01/2022

Signature of the Guide

Dr.R.Madhu

Assistant Professor,ECE,

University College of Engineering,

JNTU, Kakinada.

B. T. Krishna

Signature of the HOD

Dr. B. T. Krishna

Professor, ECE,

University College of Engineering,

JNTU, Kakinada.

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

UNIVERSITY COLLEGE OF ENGINEERING KAKINADA [A]

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA

CERTIFICATE

This is to certify that the Project report entitled " **Design of a Low Power & High-Speed Voltage Level Shifter by using 45nm CMOS**" is being submitted by J. LOKESH, bearing **Reg. No. 19021D1414** in partial fulfillment of the requirement for the award of the degree of Master of Technology in Electronics and Communication Engineering with Instrumentation & Control Engineering Specialization to Jawaharlal Nehru Technological University, is a record bonafide work carried out by his under guidance.

A. M. Prasad

Project Guide

Dr. A. M. Prasad
Professor, ECE

B. T. Krishna

Head of the Department

Dr. B. T. Krishna
Professor, ECE

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

UNIVERSITY COLLEGE OF ENGINEERING KAKINADA (AUTONOMOUS)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

ANDHRA PRADESH, INDIA - 533003

CERTIFICATE

This is to certify that the thesis entitled **"IMPLEMENTATION OF BUCK – BOOST CONVERTER USING FRACTIONAL ORDER PID CONTROLLER"** being submitted by **PAJJURU RAMYA** bearing Roll. No. **19021D1413,** in partial fulfilment of the requirements for the award of the degree of **Master of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING,** with specialization **INSTRUMENTATION AND CONTROL ENGINEERING,** to **University College of Engineering (Autonomous), JNTU Kakinada**, is a record of bonafide work carried out by her under my guidance and supervision.

B. T. Krishna

Guide &Head of the Department

Dr. B. T. KRISHNA

Professor, Department of ECE,

University College of Engineering,

JNTU Kakinada.

REGISTRAR
J.N.T. University Kakinada

Department of Electronics and Communication Engineering

University College of Engineering, Kakinada (Autonomous)

Jawaharlal Nehru Technological University Kakinada

Andhra Pradesh, India-533003

CERTIFICATE

This is to certify that the Project Report entitled "OPTIMAL TUNING OF FRACTIONAL-ORDER PID CONTROLLER USING PARTICLE SWARM OPTIMIZATION" is a bona fide record of work done by **Mr. R. LAKSHMANA KUMAR,** bearing **Regd. No. 19021D1408** under the guidance of **Dr. M. SAILAJA** in partial fulfillment of the requirement for the award of degree of Master of Technology in Electronics and Communication Engineering, with specialization Instrumentation and Control Engineering in University College of Engineering, JNTUK Kakinada during the academic year 2019-2021.This is to certify that this project work has not submitted to any other institute or organization for the award of any degree or diploma.

Project Guide

Dr. M. Sailaja

Professor,

Department of ECE,

UCE Kakinada,

JNTUK Kakinada

Head of the Department

Dr. B. T. Krishna

Professor,

Department of ECE,

UCE Kakinada,

JNTUK Kakinada

REGISTRAR
J.N.T. University Kakinada

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
UNIVERSITY COLLEGE OF ENGINEERING KAKINADA (Autonomous)
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
ANDHRA PRADESH, INDIA -533003

CERTIFICATE

This is to certify that the project entitled **"Reducing Subcarriers Beam-Squinting of Ultra-Wideband Mobile Communication Systems Using Phased Array Antennas"** is a bonafide record of work done BY **MEKA NANI**, Regd. No **19021D1406** in partial fulfilment of the requirement for award of the degree of **Master of Technology** in **Electronics and Communication Engineering**, with specialization **INSTRUMENTATION AND CONTROL ENGINEERING** in **University College of Engineering Kakinada, JNTUK** during the academic year 2019 – 2021.

Project Guide

31/12/21

Dr. K. RAMA DEVI, M.E, Ph.D
Assistant Professor,
Department of ECE,
University College of Engineering,
J N T University Kakinada

ASSISTANT PROFESSOR OF ECE
DEPARTMENT OF ECE
UCEK JNTUK KAKINADA

Head of the Department

B.T. Krishna

Dr. B.T. KRISHNA, M.E, Ph.D
Professor,
Department of ECE,
University college of Engineering,
J N T University Kakinada

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

Department of Electronics and Communication Engineering

University College of Engineering, Kakinada (Autonomous)

Jawaharlal Nehru Technological University Kakinada

Andhra Pradesh, India-533003

CERTIFICATE

This is to certify that the Project Report entitled **"IMPLEMENTATION OF HAZE REMOVAL USING HUE-CORRECTION BASED ON FUZZY INTENSIFICATION OPERATION"** is a bona fide record of work done by **Mr. K. MANOJ KUMAR, Regd. No 19021D1405** under the guidance of **Smt.P. PUSHPALATHA** in partial fulfilment of the requirement for **Master of Technology** in **Electronics and Communication Engineering,** with specialization **Instrumentation and Control Engineering** in **University College of Engineering, JNTUK Kakinada** during the academic year 2019-2021.This is to certify that this project work has not submitted to any other institute or organization for the award of any degree or diploma.

Project Guide 03/01/2022

Smt. P. Pushpalatha

Assistant Professor,

Department of ECE,

UCE Kakinada,

JNTUK Kakinada

Head of the Department

Dr. B. T. Krishna

Professor,

Department of ECE,

UCE Kakinada,

JNTUK Kakinada

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

Department of Electronics and Communication Engineering

University College of Engineering, Kakinada (Autonomous)

Jawaharlal Nehru Technological University Kakinada

Andhra Pradesh, India-533003

CERTIFICATE

This is to certify that the Project Report entitled **"Image Compression based on Adaptive Prediction and Block-based Entropy Coding for medical image Sequences"** is a bona fide record of work done by **Mr. KOLA SAI VEERA KRISHNA, Regd.** No **19021D1420** under the guidance of **Dr. B. LEELA KUMARI** in partial fulfillment of the requirement for **Master of Technology** in **Electronics and Communication Engineering,** with specialization **Instrumentation and Control Engineering** in **University College of Engineering, JNTUK Kakinada** during the academic year 2019-2021.This is to certify that this project work has not submitted to any other institute or organization for the award of any degree or diploma.

B. Leela Kumari

Project Guide

Dr. B. Leela Kumari

Asst Professor,

Department of ECE,

UCE Kakinada,

JNTUK Kakinada

ASSISTANT PROFESSOR OF ECE
DEPARTMENT OF ECE
UCEK JNTUK KAKINADA

B. T. Krishna

Head of the Department

Dr. B. T. Krishna

Professor,

Department of ECE,

UCE Kakinada,

JNTUK Kakinada

HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
UCEK JNTUK, KAKINADA

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003