

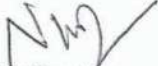



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh (India)

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		
021D14	M.Tech – I&CE	09	16		58		
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.	19021D14 02	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.	19021D14 05	Kommanaboin a Manoj Kumar	Smt.P.Pushpalath a	Deep -learning- based low light image enhancement with hue correction scheme	12 Months	JNTUK
3.	19021D14 06	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.	19021D14 08	Rongali Lakshmana Kumar	Dr. M.Sailaja	Robust Fractional order PID tuning method for a plant with an uncertain parameter	12 Months	JNTUK
5.	19021D14 13	P.Ramya	Dr. B. T. Krishna	Digital Implementation of Fractional Order PID-Type Controller for Boost DC-DC Converter	12 Months	JNTUK
6.	19021D14 14	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.	19021D14 15	S.J Surya Prakash	Dr. R.Madhu	Temperature control using optimization techniques	12 Months	JNTUK
8.	19021D14 20	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.	19021D14 21	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

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Head of the Department

Dr. B. T. KRISHNA

Professor

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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.

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Kakinada-533003

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DEPARTMENT OF ECE
UCEK JNTUK KAKINADA

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

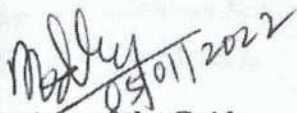
ANDHRA PRADESH, India-533003



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 year 2019-2021.

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

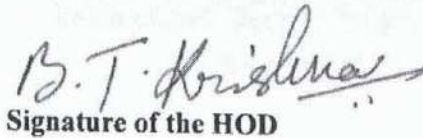
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University College of Engineering,

JNTU, Kakinada.



Signature of the HOD

Dr. B. T. Krishna

Professor, ECE,

University College of Engineering,

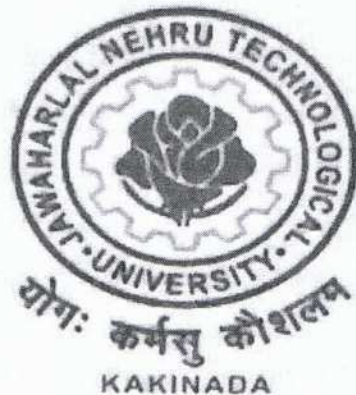
JNTU, Kakinada.


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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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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

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Dr. A. M. Prasad
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Head of the Department

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
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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

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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

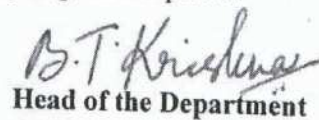

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CERTIFICATE

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

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31/12/21

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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.

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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.

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