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ABDULLAPUR (V), HAYATHNAGAR (M), RANGA REDDY (D)

Department of Civil Engineering



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This is to certify that the dissertation entitled "IDENTIFICATION AND PREVENTION OF ROAD ACCIDENTS", being submitted by MUTHA AJAY-21QA5A0127, KAMATAM SREEJA - 21QA5A0116, MD THANVEER - 20QA1A0113 and P SHIRISHA - 21QA5A0129 in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering, in partial fulfillment of the requirements for the award of Bachelor Of Technology Degree in Civil Engineering at JNTU Hyderabad is an authentic work carried out by them under my personal supervision and guidance. To the best of my knowledge the matter embodied in this project review report has not been submitted in any college/institute for awarding degree or diploma.


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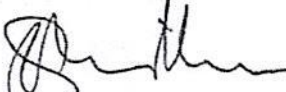
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This is to certify that the dissertation entitled "STUDY OF STRENGTH PROPERTY OF HYPO SLUDGE CONCRETE COMPARED WITH CONVENTIONAL CONCRETE ", being submitted by ESLAVATH MOUNIKA - 20QA1A0106, KAMATAM SHIRISHA - 20QA1A0109 , KUMMARI MAHESH - 20QA1A0108 ,ALAMPALLY VINOD KUMAR - 21QA5A0102 in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering, , in partial fulfillment of the requirements for the award of Bachelor Of Technology Degree in Civil Engineering at JNTU Hyderabad is an authentic work carried out by them under my personal supervision and guidance. To the best of my knowledge the matter embodied in this project review report has not been submitted in any college/institute for awarding a degree or diploma.


M SATHISH REDDY

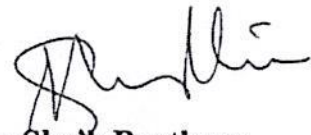
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This is to certify that the dissertation entitled "DESIGN OF RESIDENTIAL BUILDING G+2", being submitted by MOHAMMED ABBAS KHAN-20QA1A0114, ARBAZ KHAN-20QA1A0102, MOHAMMED MUZAKKIR -20QA1A0116, MOHAMMED FARHAN 20QA1A0115, in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering, , in partial fulfillment of the requirements for the award of Bachelor Of Technology Degree in Civil Engineering at JNTU Hyderabad is an authentic work carried out by them under my personal supervision and guidance. To the best of my knowledge the matter embodied in this project review report has not been submitted in any college/institute for awarding degree or diplomas

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This is to certify that the dissertation entitled "INFLUENCE OF MAGNETIC WATER ON PROPERTIES OF CONCRETE ", being submitted by VANKUDOTH GANESH - 21QA5A0137 , V. GANESH - 21QA5A0138 , ALLURI MANASA - 21QA5A0103 AND POLA SAI PRADEEP REDDY - 21QA5A0131 in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering, , in partial fulfillment of the requirements for the award of Bachelor Of Technology Degree in Civil Engineering at JNTU Hyderabad is an authentic work carried out by them under my personal supervision and guidance. To the best of my knowledge the matter embodied in this project review report has not been submitted in any college/institute for awarding a degree or diploma.


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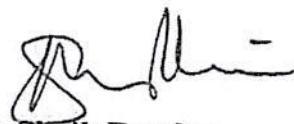

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This is to certify that the dissertation entitled "EXPERIMENTAL STUDY ON HYDERABAD OUTER RING ROAD", being submitted by MOHAMMED AMID - 21QA5A0124, GUNNAMPALLI LAXMI- 21QA5A0114, MADDANI KESHAVULU - 21QA5A0121 , SOHAIL RAZA -20QA1A0124 in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering, , in partial fulfillment of the requirements for the award of Bachelor Of Technology Degree in Civil Engineering at JNTU Hyderabad is an authentic work carried out by them under my personal supervision and guidance. To the best of my knowledge the matter embodied in this project review report has not been submitted in any college/institute for awarding degree or diploma.



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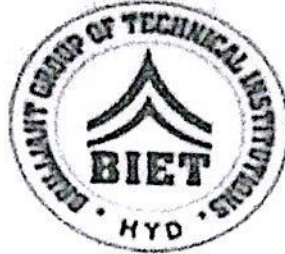
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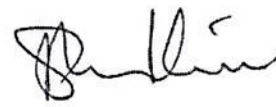

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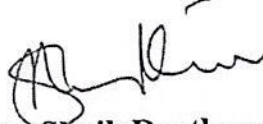
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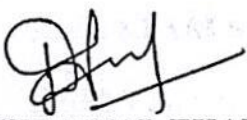
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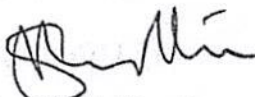

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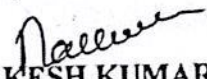


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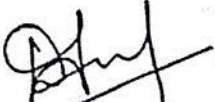
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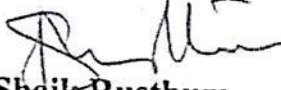
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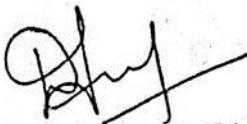
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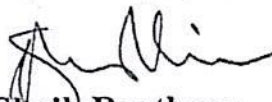

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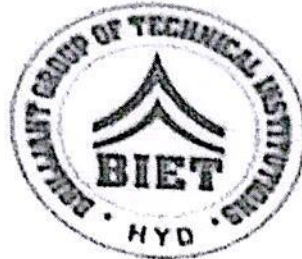

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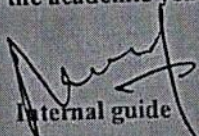
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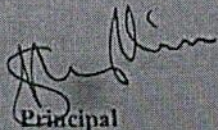
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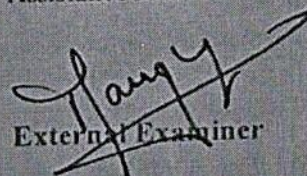
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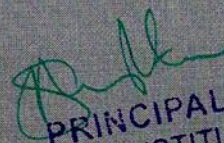
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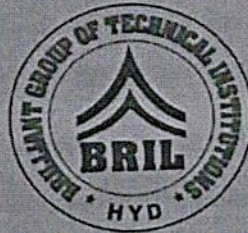
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This is to certify that a thesis entitled " COMPARISON OF POWER LOSSES FOR DIFFERENT CONTROL STRATEGIES OF UPQC " is carried out by B. VIVEK (21QA5A0206), B. BHASKAR (21QA5A0203), B. BALARAJU (21QA5A0205), D. SHIVAJI (21QA5A0209) In partial fulfillment for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering. This is a bonafide work carried out by them in the college for the academic year 2023-2024.

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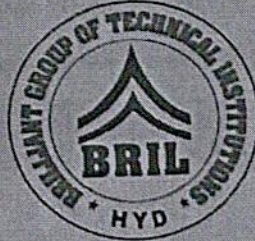
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This is to certify that a thesis entitled "POWER QUALITY IMPROVEMENT IN GRID CONNECTED DISTRIBUTION SYSTEM USING ARTIFICIAL INTELLIGENCE BASED CONTROLLER" is carried out by P. SATYAPRAKASH (21QA5A0242) G. OMSAI (21QA5A0215) D. HARITEJA (21QA5A0207) B. ABHISHEK KUMAR (20QA5A0203) In partial full fillment for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering. This is a bonafide work carried out by them in the college for the academic year 2023-2024.

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This is to certify that a thesis entitled "A NOVEL HIGH-GAIN DC-DC CONVERTER APPLIED IN FUEL CELL VEHICLES" is carried out by V.DHEERAJ (21QA5A0228), B.VENKATESH (20QA1A0202), S.PAVAN (21QA5A0255), M.JAYAPRAKASHNARAYANA REDDY (21QA5A0232) in partial fulfillment for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering. This is a bonafide work carried out by them in the college for the academic year 2023-2024.

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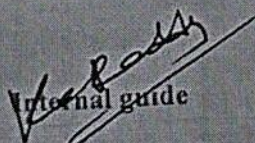
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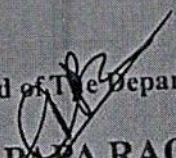
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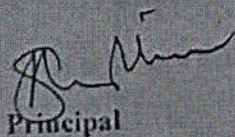
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J. SRIKANTH (21QA5A0220) K. SAI KRISHNA (21QA5A0226)
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filament for the award of degree of Bachelor of Technology in Electrical and Electronics
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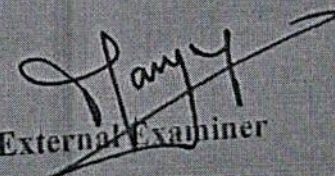
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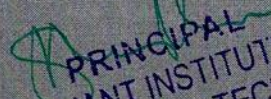
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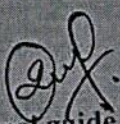
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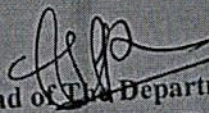


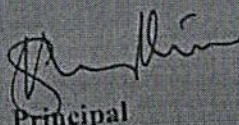
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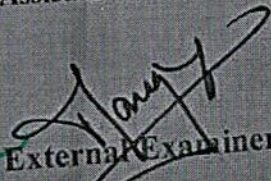
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This is to certify that a thesis entitled "Idling Port Isolation Control of Three-Port Bidirectional Converter for EVs" is carried out by G.Saikumar (21QA5A0212), M.Sindhu (20QA1A0204), P.Mallikarjun (21QA5A0244), U.Sandeep (20QA5A0230) in partial fulfillment for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering. This is a bonafide work carried out by them in the college for the academic year 2023-2024.


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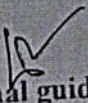
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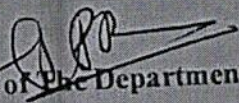


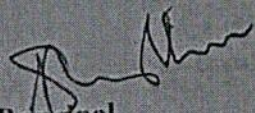
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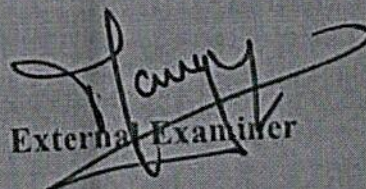
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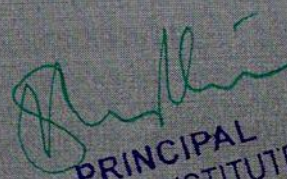
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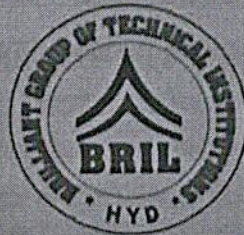
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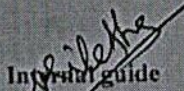
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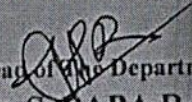
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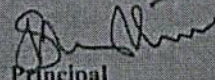


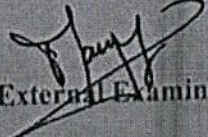
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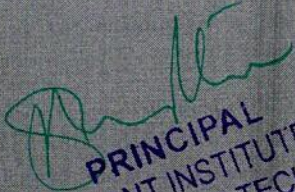
This is to certify that a thesis entitled "Design and simulation of Neuro-Fuzzy based MPPT controller for PV power system" is carried out by P. AMULYA (21QA5A0243), K. RAM (21QA5A0221), L. VINAY KUMAR (21QA5A0231), S. AKSHAYA (21QA5A0254), in partial fulfillment for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering. This is a bonafide work carried out by them in the college for the academic year 2023-2024.


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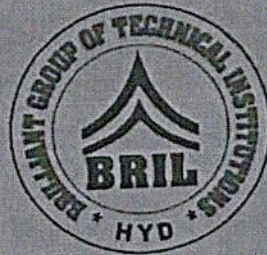
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This is to certify that a thesis entitled "THD REDUCTION IN EXECUTION OF A NINE LEVEL SINGLE PHASE INVERTER" is carried out by K.ABHISHEK (21QA5A0225), D.MANIKANTH (21QA5A0211), P.NIKHIL REDDY (21QA5A0241), N.SANTHOSH (21QA5A0240), P.GANGADHARAN MURALIDHARAN (21QA5A0214), in partial fulfillment for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering. This is a bonafide work carried out by them in the college for the academic year 2023-2024.


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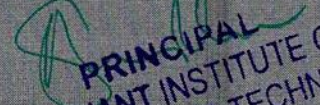
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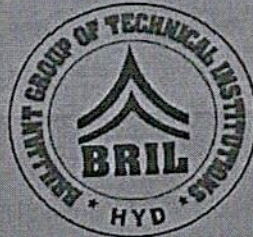
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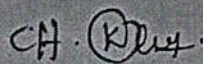
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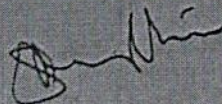
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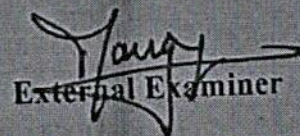
Professor



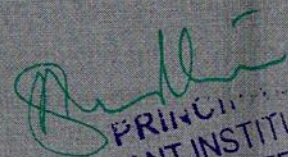
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This is to certify that a thesis entitled "IMPLEMENTATION OF DYNAMIC EVOLUTION CONTROL OF BIDIRECTIONAL DC-DC CONVERTER FOR INTERFACING ULTRA CAPACITOR ENERGY STORAGE TO FUEL CELL SYSTEM" is carried out by them G.RAMADEVI (21QA5A0216), R.YUVARAJ (21QA5A0246), G.PREMAKUMARI (21QA5A0213), G.SAI (21QA5A0218), M.PRAVEEN, KUMAR (21QA5A0235), in partial fulfillment for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering. This is a bonafide work carried out by them in the college for the academic year 2023-2024.

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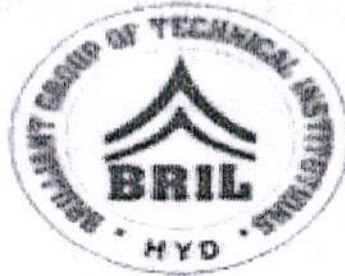
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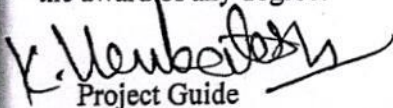
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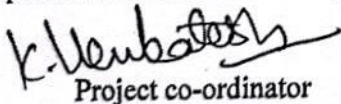
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This is to certify that the thesis entitled "BIOGAS PRODUCTION BY TWO-STAGE THERMOPHILIC AND MESOPHILIC BIODIGESTION OF KITCHEN WASTE" submitted to JNTU University, Hyderabad, by BORRA MAHESH(19QA1A0301), BALNE RAM CHARAN TEJA(19QA1A0302), CHAKALI PRAVEENKUMAR(19QA1A0303), G SAI KIRAN(19QA1A0305) in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Mini project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.


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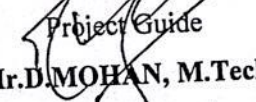
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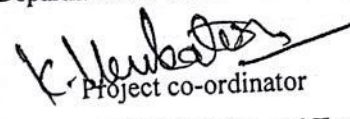
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This is to certify that the thesis entitled "Experimental Investigation of Machining Process of CNC Milling for Al 7075 Alloy" submitted to JNTU University, Hyderabad, by JANGALA BHASKAR (20QA5A0322), KANTHI SWAPNA (20QA5A0324), KANDADI MAHESH (20QA5A0325) in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Mini project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.


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This is to certify that the major project report titled "Experimental investigation and optimization machining parameters in CNC turning of AL 6063 alloy" is being submitted by **R. MANIKANTA (20QA5A0358) P. PRAVEEN (20QA5A0354) R. NAVEEN KUMAR (20QA5A0356) V. BALAJI (20QA5A0369)** B.Tech from **MECHANICAL ENGINEERING** is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any degree.


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This is to certify that the thesis entitled "DESIGN AND ANALYSIS OF AUTOMOBILE ELECTRICAL VEHICLE EV CHASSIS FRAME" submitted to JNTU University, Hyderabad, by SABAVAT KALYAN (20QA5A0359), SAYYAD JEELAN BASHA (20QA5A0360), SYED MEER (20QA5A0363), VALI AHMED (20QA5A0367), in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Major project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.

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This is to certify that the thesis entitled " HVAC " submitted to JNTU University, Hyderabad, by MD HAMZA (19QA1A0310) , MOHAMMAD AMEER HUSSAIN (19QA1A0313), MOHD ABDUL RAZZAK (19QA1A0314) in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Mini project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.

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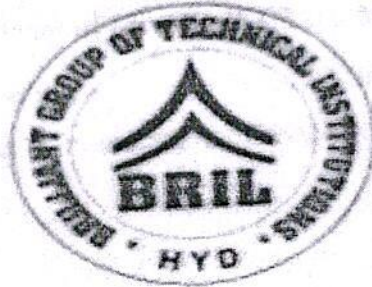
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This is to certify that the thesis entitled DESIGN AND ANALYSIS OF NON-PNEUMATIC TYRE submitted to JNTU University, Hyderabad, by KORRA MAHESH NAIK (20QA5A0330), KOTHA PARVATHALU(20QA5A331), KUMMARI VIJAY KUMAR (20QA5A332), LAKAVATH NAVEEN (20QA5A0334) in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Mini project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree

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CERTIFICATE

This is to certify that the thesis entitled "Experimental investigations on machining parameters of Aluminum 6061 alloy using EDM" submitted to JNTU University, Hyderabad, by AKULA ADITHYA MANIKANTA SAI KUMAR (20QA5A0301), AMSOLE CHAITANYA RAJ (20QA5A0303), BANAVATH ANIL NAYAK (20QA5A0306), DHANAVATH VENKATESH (20QA5A0312) in partial fulfillment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafied Major project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.

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is is to certify that the thesis entitled **PERFORMANCE IMPROVEMENT OF AN AUTOMOBILE RADIATOR USING THERMAL ANALYSIS** submitted to JNTU University, derabad, by **KARROLA VIGNESH GOUD(20QA5A0326), KETHAVATH NJILAL(20QA5A027), KETHAVATH MAHESH (20QA5A0328), KODEMI PAVAN ALYAN (20QA5A0329)**, in partial fulfilment of the requirements for the award of the degree of in echanical Engineering is a record of bonafide Mini project work carried out by us. The contents of this thesis ve not been submitted to any other University Institution for the award of any degree.

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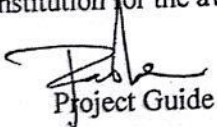
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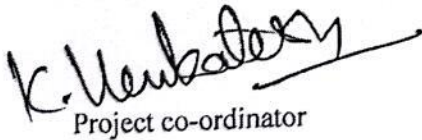


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This is to certify that the thesis entitled “ **Design and Manufacturing of Piston and Connecting Rod Using 3D Printing Technology** ” submitted to JNTU University, Hyderabad, by Ranu Siddiquee (19QA1A0322), Ahamad Raja (19QA1A0320), Akhlaque Ahmad (19QA1A0321), Shaik Sohel (19QA1A0318) in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Major project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.


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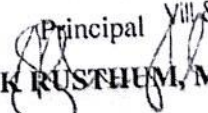

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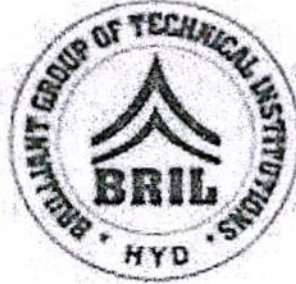
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This is to certify that the thesis entitled "DESIGN AND ANALYSIS OF CYLINDER

HEAD GASKET" submitted to JNTU University, Hyderabad, by LINGAMPALLI MAHESH (18QA1A0311), MD.NOMAAN KHAN (18QA1A0313), PAMUJULA BHEEMA RAJU (17QA1A0318) in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Major project work carried out by us. The contents of this thesis have not been submitted to any other University Institution for the award of any degree.

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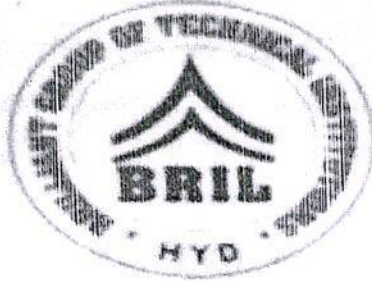
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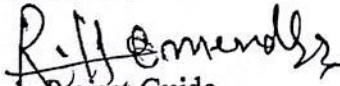
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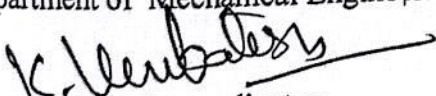
This is to certify that the thesis entitled "Design and manufacturing of Turbine wheel using 3D Printing technology" submitted to JNTU University, Hyderabad, by MACHAGONI SAI KUMAR (20QA5A0337), MADIPEDDI PHANI KUMAR(20QA5A0338), MARRI SRIKANTH REDDY(20QA5A0339), MEATHARI RASHANTH KUMAR(20QA5A0340) in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Major project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree,


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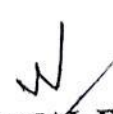
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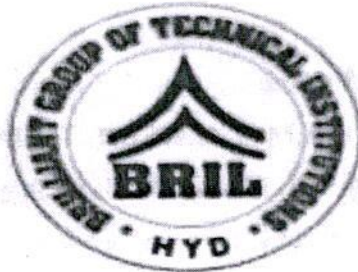

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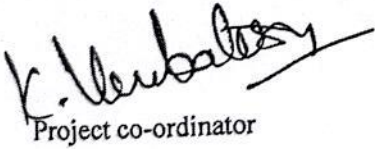


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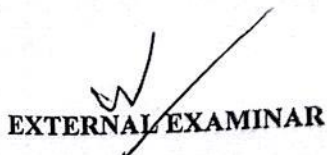
This is to certify that the thesis entitled "Design of a Car ac System Based on Absorption Refrigeration Cycle using Energy from Exhaust Gas of an IC Engine" submitted to JNTU University, Hyderabad, by L. Kalyan (20QA5A0335), M. Sandeep (20QA5A0342), M.A. Rehmath Soud (20QA5A0343), V. Sumanth (20QA5A0366), in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Major project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.

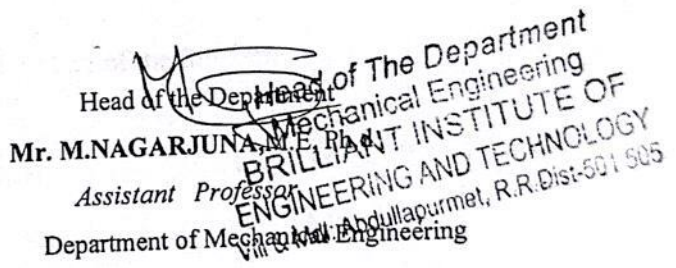

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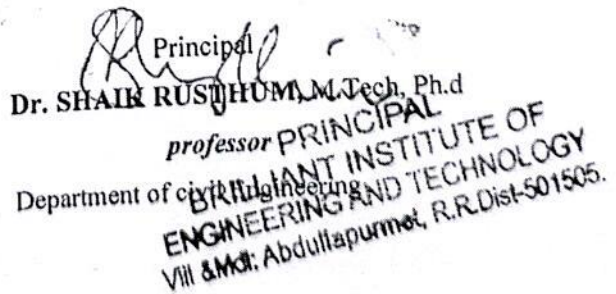
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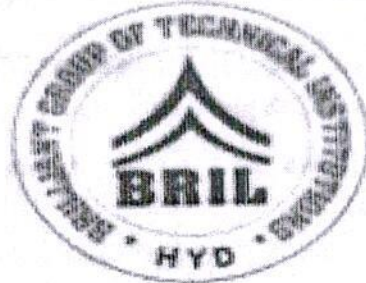

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This is to certify that the thesis entitled "DESIGN AND MANUFACTURING OF CUSTOM ORTHOTICS SOLE USING 3D PRINTER TECHNOLOGY" submitted to JNTU University, Hyderabad, by Mr. N.Sandeep (20QA5A0344), N.Raghu Chandra (20QA5A0345), N.Sai Kumar (20QA5A0347), P. Shiva (20QA5A0349). in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Major project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.

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This is to certify that the thesis entitled **CDF FLOW ANALYSIS OF A REFRIGERENT INSIDE ADIBATIC CAPILARY TUBE** submitted to JNTU University, Hyderabad, by AMGOTHU, NAGARAJU (20QA5A0304), BAIRABOINA. RAMESH (20QA5A305), BHUKYA VAMSHI (20QA5A308), DASAROJU SAIKIRAN (20QA5A0310) in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Mini project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree

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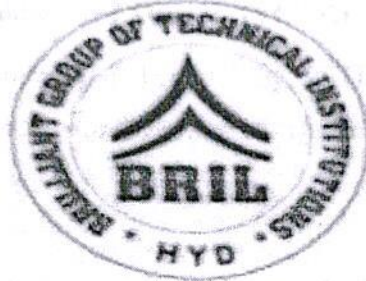
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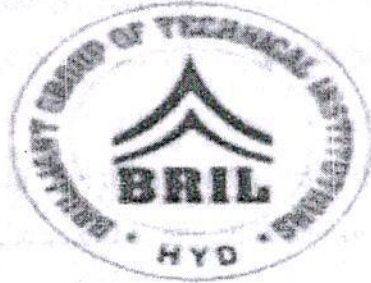
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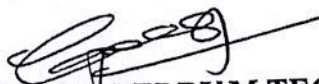
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This is to certify that the thesis entitled "Design and Manufacturing of Bevel Gear Transmission using 3D Printing Technology" submitted to JNTU University, Hyderabad, by JANAGAM NIKHIL(19QA1A0306), KOLIPAKA AJAY KUMAR (19QA1A0307), KOTHAKAPU CHANDRAKANTH REDDY(19QA1A0308), M.AKASH(19QA1A0309) in partial fulfilment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Major project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.


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Mr. K. VENKATESH, M.Tech.
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This is to certify that the thesis entitled "STREAMLINING OF SHELL AND TUBE HEAT EXCHANGER BY BAFFLE INCLINATION AND BAFFLE CUT" submitted to JNTU University, Hyderabad, by P VIDYASAGAR - (19QA1A0316), O SHIVAKUMAR -(19QA1A0315), P SAMPATHKUMAR- (19QA1A0317), T SHIVALINGAM -(19QA1A0319) in partial fulfillment of the requirements for the award of the degree of in Mechanical Engineering is a record of bonafide Mini project work carried out by us. The contents of this thesis have not been submitted to any other University / Institution for the award of any degree.


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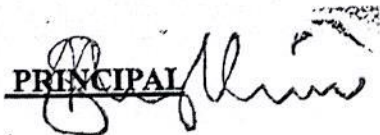
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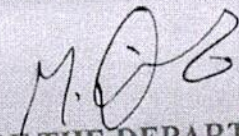


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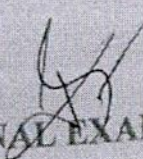
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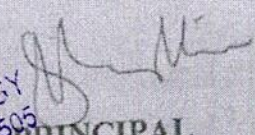
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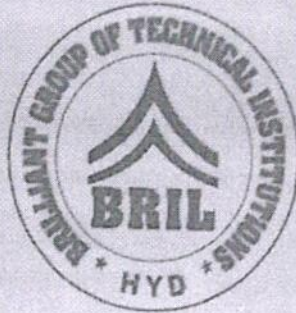

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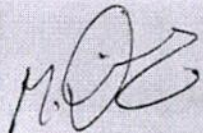
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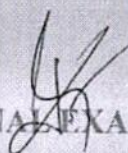
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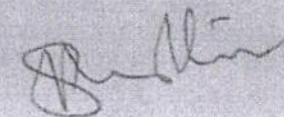


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This is to certify that the dissertation work entitled "IMAGE PROCESSING BASED SPEED MEASUREMENT AND DETECTION OF THE VEHICLES", is being submitted by D.MAHESH (20QA1A0410), E.NARENDRA GOUD (20QA1A0411), F.PAVANI (20QA1A0412), G.SMARANI (20QA1A0414). In partial fulfilment of the requirements for the award of **BACHELOR OF TTECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to J.N.T.U.H, is a record of Bonafide work carried out by the team under my/our Guidance and Supervision. The results embodied in this work have not been submitted to any other University or Institute for the award of any degree during the Academic year 2023- 2024.

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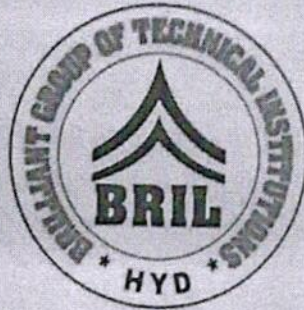
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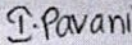
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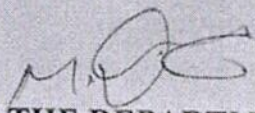


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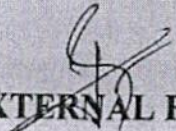
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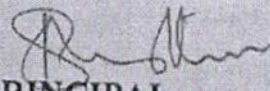

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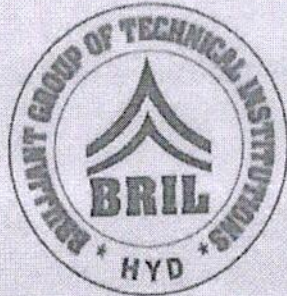
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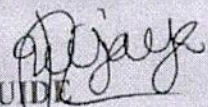
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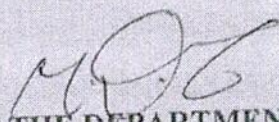
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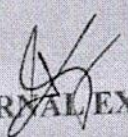



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This is to certify that the dissertation work entitled "TEMPERATURE AND HEART BEAT MONITORING SYSTEM", is being submitted by M.SNIGDHA (20QA1A0424), M.NITHIN (20QA1A0427), N.RAJESH REDDY (20QA1A0430), O.POOJA (20QA1A0431). In partial fulfilment of the requirements for the award of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to J.N.T.U.H, is a record of Bonafide work carried out by the team under my/our Guidance and Supervision. The results embodied in this work have not been submitted to any other University or Institute for the award of any degree during the Academic year 2023-2024.

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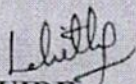
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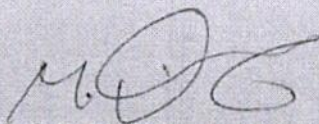


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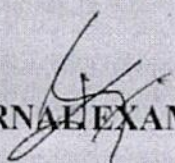
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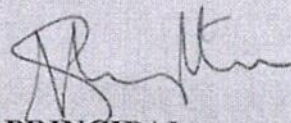

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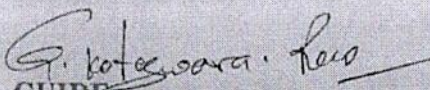
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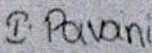
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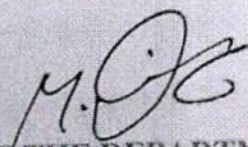


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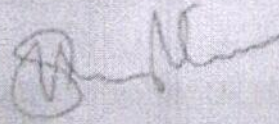
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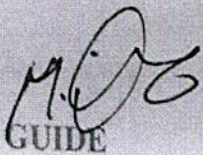
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This is to certify that the dissertation work entitled "WAVELET BASED ECG STEGANOGRAPHY FOR PROTECTING PATIENT CONFIDENTIAL INFORMATION", is being submitted by T.NIHARIKA (20QA1A0444), M.JAYANTHI (21QA5A0418), M.SNEHA (20QA1A0443), V.MANOJ KUMAR (20QA1A0442). In partial fulfilment of the requirements for the award of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to J.N.T.U.H, is a record of Bonafide work carried out by the team under my/our Guidance and Supervision. The results embodied in this work have not been submitted to any other University or Institute for the award of any degree during the Academic year 2023-2024.



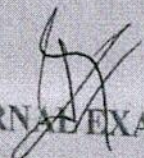
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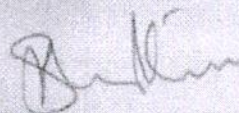


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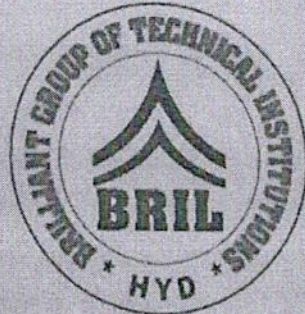


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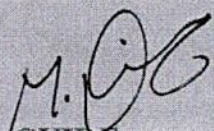
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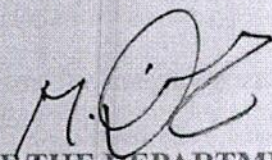
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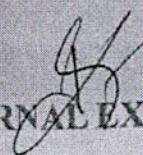
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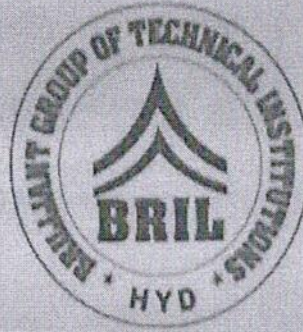


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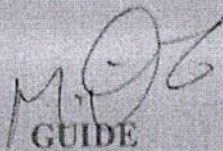
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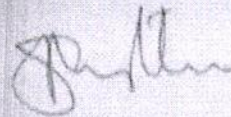

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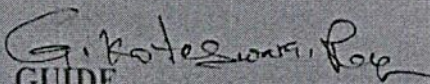
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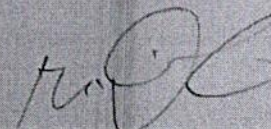


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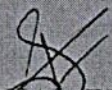
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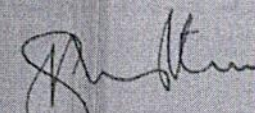

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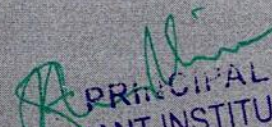

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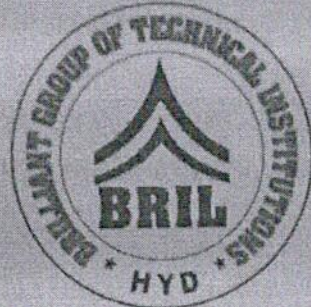

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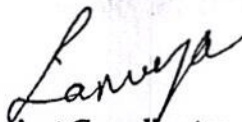
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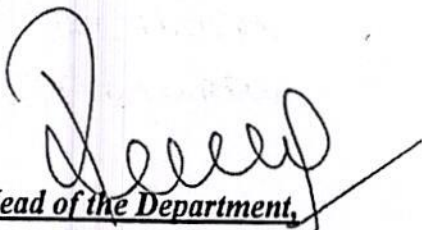


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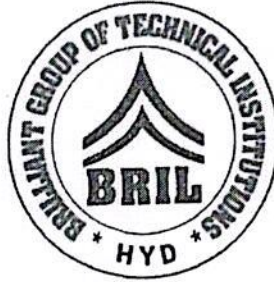
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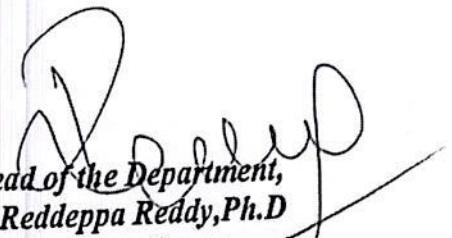
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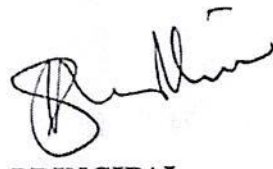
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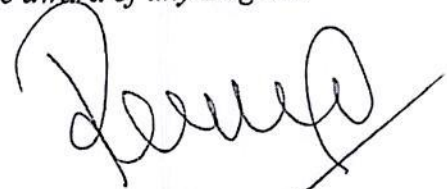
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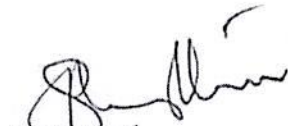


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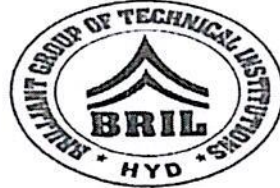
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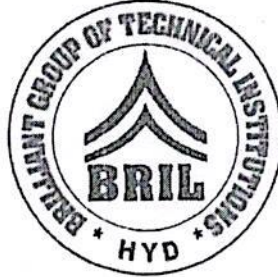
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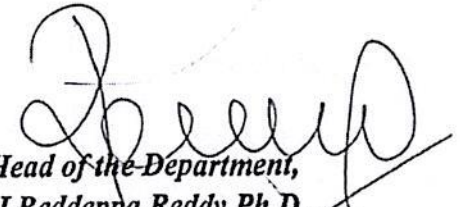
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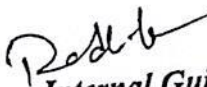
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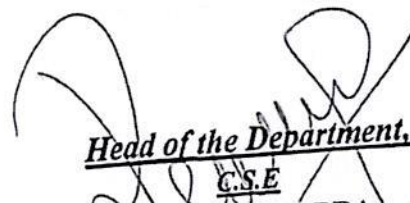
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This is to certify that the project report entitled "CIRCUIT CIPHERTEXT-POLICY ATTRIBUTE-BASED HYBRID ENCRYPTION WITH VERIFIABLE DELEGATION IN CLOUD COMPUTING" is a bonafide work done by "GATLA.ROJA"(20QA1A0544), "DADI.LOHITHA"(20QA1A0529), "KATA MANISH"(20QA1A0560), "GOURISHETTY.SRINVAS"(20QA1A0546)" Bachelor of Technology from Computer Science & Engineering is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any degree.


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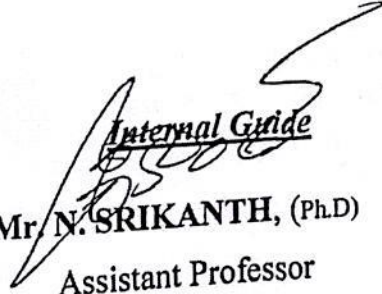
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This is to certify that the project report entitled "DECENTRALIZED ACCESS CONTROL WITH ANONYMOUS AUTHENTICATION" is a bonafide work done by KOMARA MEGHANA (20QA1A0567), KOTHURU SATHWIK (20QA1A0570), MOHAMMED SOHAIL (20QA1A0591), MALOTH NAGARAJU (20QA1A0580), KINNERA NEERAJA (20QA1A0565) B.tech from Computer Science&Engineering is a record bonafide work carried out by us.

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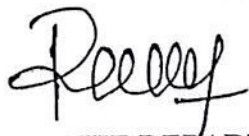


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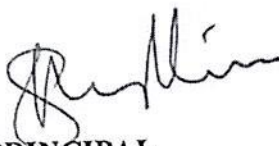
This is to certify that the project report entitled "A SCALABLE APPROACH FOR CONTENT-BASED IMAGE RETRIEVAL IN PEER-TO-PEER NETWORKS " is a bonafide work done by "PENTAKOTI ANUSHA(20QA1A05A6)" ,PARNE SHIVANI(20QA1A05A4)," SAGARLA HARIRAM(20QA1A05B9)" B.tech from Computer Science& Engineering is a record bonafide work carried out by us.The results embodied in this report have not been submitted to any other University for the award of any Degree.


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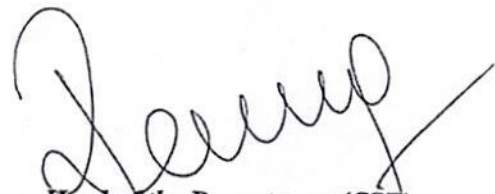
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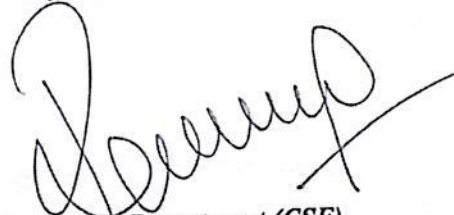


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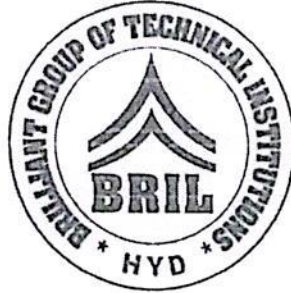
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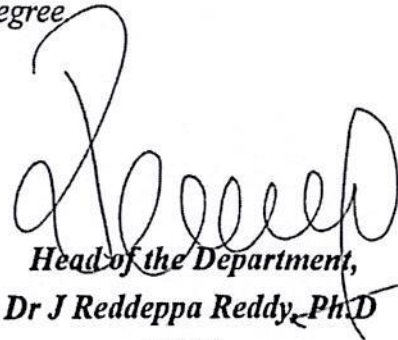
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This is to certify that the project report entitled "IMAGE CAPTIONING USING CONVOLUTIONAL NEURAL NETWORKS AND RECURRENT NEURAL NETWORK " is a bonafide work done by "VANGA VYSHNAVI (21QA5A0518)","RATHLAVATH RAJESHWARI (21QA5A0517)","RATHLAVATH MADHU (21QA5A0516)","PATNALU SAIKRISHNA (21QA5A0514)","D PAVANI(19QA1A0545)" B.tech from Computer Science&Engineering is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any Degree.

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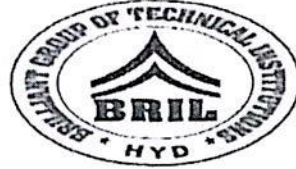
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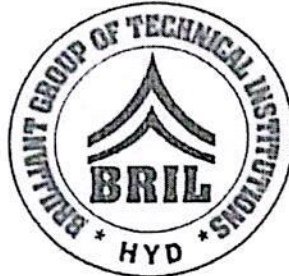
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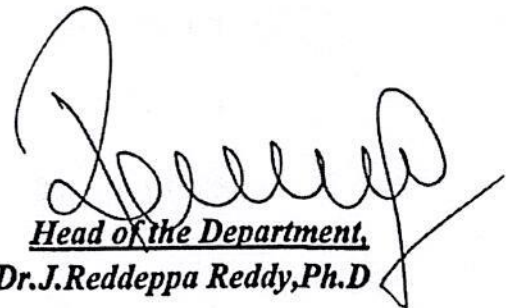

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This is to certify that the project report entitled "TOURIST PLACE REVIEWS SENTIMENT CLASSIFICATION USING MACHINE LEARNING TECHNIQUES" is a bonafide work done by "DANDE CHANTI (21QA5A0504), DUBBA PREETHI (21QA5A0505), BUSI BALAKRISHNA (21QA5A0502), B. tech from Computer Science & Engineering (Artificial intelligence & Machine Learning) is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any Degree.

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This is to certify that the project report entitled "Collaborative Filtering-Based Recommendation Of Online Social Voting" is a bonafide work done by "Muthoju Shreya (20QA1A0G1), Thipparthi NavyaSree (20QA1A0G0), Kolla PavanKumar (20QA1A0G5), Polusani Vivek (20QA1A05H2), Mohammed Abdul Jaleel (18QA1A0573)" B.tech from Computer Science & Engineering is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any Degree.

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This is to certify that the project report entitled "A QUERY-DRIVEN APPROACH" is a bonafide work done by "VALLEPU KARTHIK (20QA1A05F2)", "VARRE OMSAI (20QA1A05F9)", "SUBHASHISH NAYAK (20QA1A05D6)", "TOPARAM MADHUSUDHA (20QA1A05E5)", "SUNDER SIDHARATH (20QA1A05D7)" B.tech from Computer Science&Engineering is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any Degree.


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This is to certify that the project report entitled "An analysis of machine learning classifier in Breast Cancer" is a bonafide work done by "U VIJAYA DURGA" (20QA1A05E7), "V SAI PHANEENDER" (20QA1A05E9), "Y REWANTH KOUSHIK" (20QA1A05F7), "D ADARSH GOUD" (20QA1A05G4), "K SRIKANTH" (21QA1A0510) B.tech from Computer Science & Engineering is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any Degree.

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This is to certify that the project report entitled “Analysis and prediction of cardio vascular disease” is a bonafide work done by Shampuri Madhuri(20QA1A05D1), Syed Ashraf Hussain(20QA1A05D9), Subburu Shiva Kumar(20QA1A05D5), Vadthya Akhila(20QA1A05F1) in the partial fulfillment of Bachelor of Technology in Computer Science & Engineering from JNTU Hyderabad during the year 2023- 2024.

This project work has not been submitted to any other university or institute or organization for the award of any degree.

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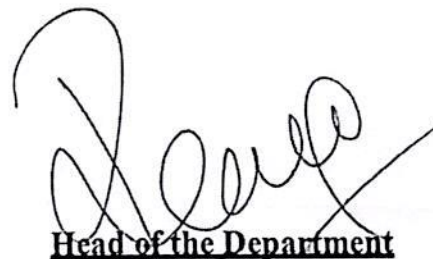
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This is to certify that the project report entitled "IPATH PATH INFERENCE IN WIRELESS SENSOR NETWORKS " is a bonafide work done by "S.SRINIDHI REDDY (20QA1A05C1), P.SURYA CHANDRA (21QA5A0515), S.LAHARI (20QA1A05C3), S.SNEHA (20QA1A05D3), T.KAPIL (20QA1A05E4)" B.tech from Computer Science & Engineering is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any Degree.



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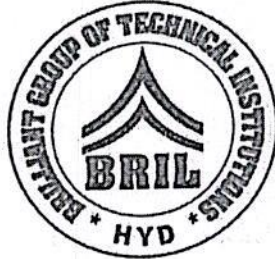
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This is to certify that the project report entitled "SUSPICIOUS ACTIVITY DETECTION USING ARTIFICIAL INTILLIGENCE AND MACHINE LEARNING" is a bonafide work done by "P. SRILATHA (20QA1A6615), P. SRILEKHA (20QA1A6616), K. SATWIKA (21QA5A6608), G. AKSHAY KUMAR (20QA1A6606)" B. tech from Computer Science & Engineering (Artificial intelligence & Machine Learning) is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any Degree.

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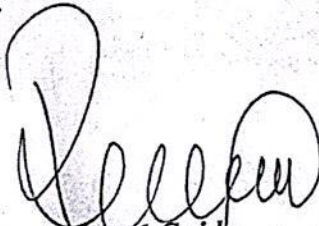
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This is to certify that the project report entitled "IMAGE CAPTIONING USING CONVOLUTIONAL NEURAL NETWORKS AND RECURRENT NEURAL NETWORK" is a bonafide work done by "K.OM LAKSHMI PRASANNA (20QA1A6609), K.NAVEENA (20QA1A6608), V.NIKHIL (20QA1A66021), B.BHARATH GOUD (20QA1A66023), K.CHARAN GOUD (20QA1A66010)" B.tech from Computer Science & Engineering (Artificial intelligence & machine learning) is a record bonafide work carried out by us. The results embodied in this report have not been submitted to any other University for the award of any Degree.


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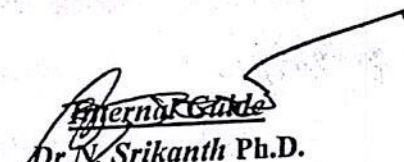
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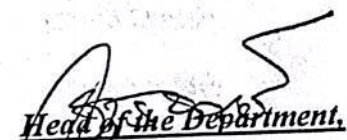
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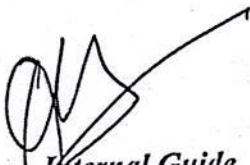
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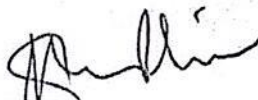


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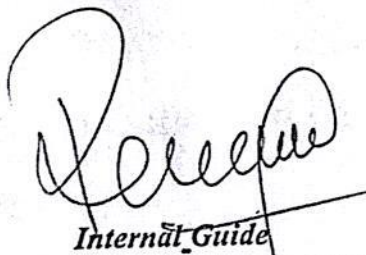
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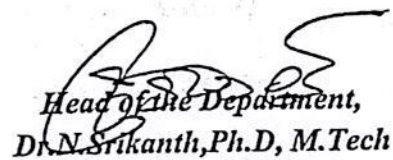


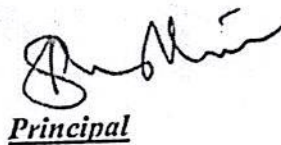
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