

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Department of Civil Engineering



2019-2023
Certificate

This is to certify that

T RADHIKA	20T85A0121
N RAKESH	20T85A0122
A YASHWANTH KUMAR	20T85A0134
CH NARESH	20T85A0111

Have satisfactorily completed the major project work entitled

**“ANALYSIS AND DESIGN OF HOSPITAL BUILDING BY
USING E-TABS”**

In partial fulfillment of the requirement for the award of Bachelor of Technology in Civil Engineering, prescribed by Jawaharlal Nehru Technological University for the year 2019-2023.

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ABSTRACT


It is envisaged that no single standard can meet the requirements of different regions in our country representing plains, islands and hilly terrains with diverse geo-climatic variations. However, attempt has been made in this standard to cover basic needs of 100 bedded hospitals which could be suitably adjusted to meet specific needs and priorities of a particular region or a community. Especially in towns due to rapid industrialization, the demand is very high. Adapting the construction of Multi-Specialty Hospital.


Hence an Engineer to be knowledgeable about the planning and designing of such a Multi-Specialty Hospital. Advancements of computer packages have given many tools to the designer towards achieving the best and accuracy in their work an attempt is made in this project to utilize the computer packages and comparing the results with manual procedures.

In our project, a Multi-Specialty Hospital is analyzed and designed for live loads, dead loads and seismic loads. The process of modeling analysis and design of Beams and Columns is carried by using ETABS package and Slabs, Footings and Staircase is done manually. One column is Designed Manually and compared with ETABS Design.

Used Key Skills:

1. IS: 12433 (PART-2)-2001 Basic Requirements for Hospital Planning
2. IS: 456-2000 RCC Design
3. IS: 875-1987(PARTS) Load Combinations
4. ETABS
5. Auto Cad 2D/3D


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DEPARTMENT OF CIVIL ENGINEERING
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D. PAVAN	20T85A0115
B.NAGARANI	20T85A0110

Have satisfactorily completed the major project work entitled
**PLANNING ANALYSIS AND DESIGN OF G+5 MULTY STORY
BUILDING USING SAP-2000**

In partial fulfillment of the requirement for the award of Bachelor of Technology in Civil Engineering, prescribed by Jawaharlal Nehru Technological University for theyear 2019-2023.


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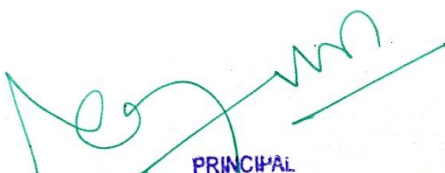
ABSTRACT

The structures with a setback are very susceptible during earthquakes because of their vertical geometry and mass irregularity; however, the risk increases if the structures also feature stiffness irregularity in elevation. The threat factor of such a construction may grow if it is built on sloping terrain. This research attempts to examine the seismic performance of setback constructions standing on flat ground as well as on a hill's slope, with different plan configuration. This research was carried out using three separate methods: the equivalent static force method, the response spectrum method, and the time history method. the buildings were considered

All structures were developed in accordance with IS 875:1987 part 1, part 2, and IS 1893:2016 (equivalent to dead, live, and seismic loads) and in accordance with IS 456:2000 and IS 13920 (1993, Reaffirmed 2008). Details of the reactions obtained from the various buildings under various seismic excitations were provided. Maximum top story displacement, maximum story drift, and maximum base shear are the characteristics employed in the comparison of analysis of all configurations.

Structures on sloped land are found to be more vulnerable than those on flat ground, and their level of vulnerability rises as the slope angle increases. On a sloping surface, movement has been seen in the structure under directional force. These sloped constructions show differential movement on both sides, with the taller side moving higher than the shorter side in the force's direction this occurrence shows that the stiffness is concentrated on the structure's shorter side on higher slopes. Due to the asymmetrical in plan the C and L-shaped models got high base shear compare to the regular and +- shaped model.

Keywords: *Soil-structure interaction, variation in plan configuration, Sloping ground, Linear Time history analysis, SAP-2000 software.*


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M MACHENDAR	19T81A0102

Have satisfactorily completed the major project work entitled

**“ANALYSIS AND DESIGN OF SCHOOL BUILDING G+5
BY USING STAAD PRO”**

In partial fulfillment of the requirement for the award of Bachelor of Technology in Civil Engineering, prescribed by Jawaharlal Nehru Technological University for the year 2019-2023.

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ABSTRACT

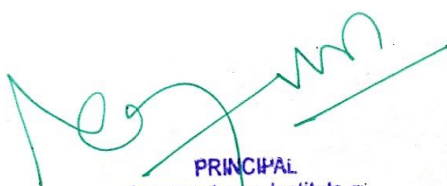
Every building has got its form, function and aesthetic. School is very challenging to plan; they are important for preparing the future human resources and directly contribute to social and economic development of a place. We consider that the architecture will take of these and the structural engineer will be responsible for strength and safety of structure. A building or structure should be constructed according to Indian standard specified by the concerned department. Generally, these are different types of buildings such as Residential, Commercial, offices and Institutional buildings, Government offices, etc...


STAAD Pro allows structural engineers to analyzed and design virtually any type of structure through its flexible modelling environment, advanced features and parent data collaboration. By referring to various research papers it is concluded that software-based analysis and design is accurate and also it can save as compared to manual.

In this project we have designed a school building (RCC) G+5 using staad pro V8i which includes design of elements such as beams, columns, and footings. Study of loads acting on building and RCC design with reference to IS:875 and IS:875 and IS:456-20.

Structural planning and design is an art and science of designing with economy and elegance, serviceable and durable structure. The entire process of structural planning and designing requires not only imagination and conceptual thinking but also sound knowledge of science of structural engineering besides knowledge of practical aspects, such as relevant design codes and byelaws.

Hence in this project, an attempt is made on planning, analysis and design of residential building with four floors and each floor consists of 8 flats each individual flat consists of master bedroom, bedroom, kitchen, toilet, dining hall and veranda. The structural analysis is analyzed by using STAAD PRO software for analyzing and design of frames. AUTOCAD is also used for draw the plans, columns and beam framing, stair case and etc. IN this project the designs of slabs, columns, footing, staircase, sunshades, lintel, septic tank, elevated tank by "Limit State Method" Using IS:456-2000 code book.


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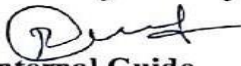
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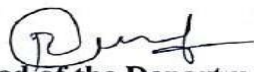
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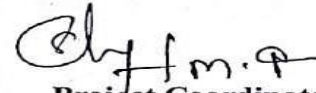
Have satisfactorily completed the major project work entitled

**“Design and analysis of G+20 RC building in different
zones by using STAAD Pro”**

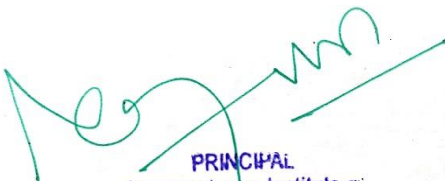
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ABSTRACT

As per IS-1893-2002 entire country is divided in 4 zones based on the intensity of earthquake. Because of non-availability of land mass in the urbanized areas like towns and cities a multiey storied RC buildings need to design to satisfy the requirements.

Design of multiey storied building is critical task for a structural engineer by considering the horizontal loads. In this dissertation a multiey storied RC building with G+20 storied subjected to dead loads, live loads and earthquake loads are considered to design.


The parameters are load displacements, shear force, bending moments and the masses participation capacities are considered to decide the behaviour of structure.


In this we are going to develop a RC building in the different zones. The main object of the project is developed to analysis of a G+20 RC building behaviour in different zones by using the STAAD pro. The project aims to give a proper awareness to right designing and detailing of the building.

In this first of all, the planning is done by using auto CAD and the design involves load calculations manually and the structure is analyzed by using STAAD pro.

Rc building is nothing but the Reinforced concrete building. The objectives of the present work are to study the behaviour of a RC building regular in plan which is subjected to different zones by using STAAD Pro.

The analysis is carried out by the help of STAAD Pro v8i structural software. Different values of SEISMIC ZONE FACTORS(Z) are taken from their respective properties and their corresponding effects are interpreted in the results.


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CH KRISHNA VAMSHI	20T85A0107
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**“PLANNING ANALYSIS AND DESIGN OF
SHOPPING MALL BY USING ETABS”**

In partial fulfillment of the requirement for the award of Bachelor of Technology in Civil Engineering, prescribed by Jawaharlal Nehru Technological University for the year 2019-2023.

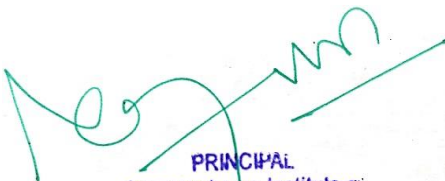

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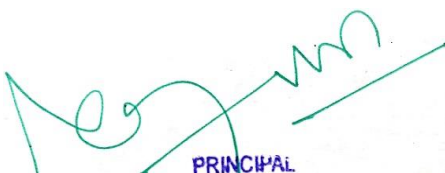

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ABSTRACT:

Population density is more in the cities like Hyderabad also the cost of construction and cost of land is very much high. Because of scarcity of lands there is a necessity of design of multi storied commercial buildings. Basically, the shopping malls are stiffness-unsymmetrical structures along the vertical direction.

In this study a G+3 shopping mall with mass symmetric is being consider to analyse and design with a plot size of 106ft X106ft. The shopping mall buildings are more vulnerable due to gravity loads. The live loads are considered as per Indian standard. The materials and sections are designed based on performance-based design as per ductile detailing in ETABS software.

Various parameters are considered to study the behaviour of shopping mall in terms of load displacements, Bending Moments and shear force, story drifts and story shears subjected to Live loads, wind load and seismic loads. Design of structural member was done as per IS:456-2000 limit state method. The grade of concrete and steel was considered as M40 and Fe500. Design and detailing of drawings are incorporated wherever required.


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**“ANALYSIS & DESIGN OF BUILDING IN DIFFERENT
WIND AND SEISMIC ZONE USING ETABS”**

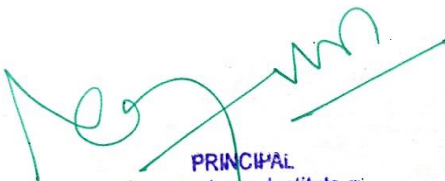
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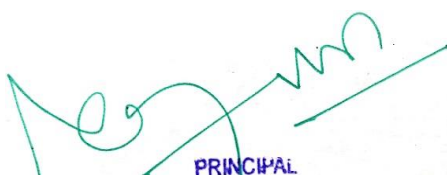
ABSTRACT


As a structure is subjected to the earthquake, it results vibrating. The earthquake force subjected to structure will be resolved into three mutually perpendicular direction the two horizontal directions (x and y) and therefore the vertical direction (z). Here the most essential thing is to consider the results of lateral loads induced from wind and earthquakes within the analysis of reinforced concrete structures, especially for high-rise buildings. Here the basic intent of analysis for the earthquake resistant structures is that buildings should be able to resist minor earthquakes without damage. To avoid the collapse during a major earthquake, the members are must have to be ductile enough to absorb and dissipate energy by post-elastic deformation.

So redundancy within the structural system which permits redistribution of internal forces within the failure of key elements. The objectives of the current work is to study the behavior of a multi storied building subjected to earth quake load by adopting Response spectrum analysis. The current investigation is restricted to strengthened cement (RC) multicelebrated business working with unique zone I,II,III,IV,V. The examination is administered the assistance of FEM programming's E-Tabs. The structure model within the examination has four stories' with consistent story stature of 2.95m. Models are utilized to dissect with various cove lengths and also the quantity of Bays and also the straight width along two flat bearings are kept steady in each model for accommodation. Various estimations of SEISMIC ZONE FACTOR are taken and their comparing impacts are deciphered within the outcomes.

Skills Used:

- IS1893-2002
- IS456-2000
- Etabs 2015


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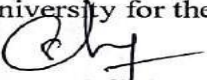
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**“ANALYSIS AND DESIGN OF RESIDENTIAL BUILDING
G+5 BY USING STAAD PRO”**

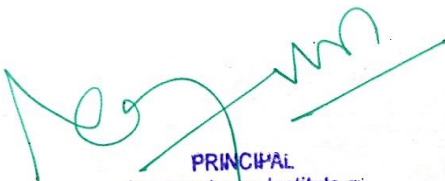
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ABSTRACT

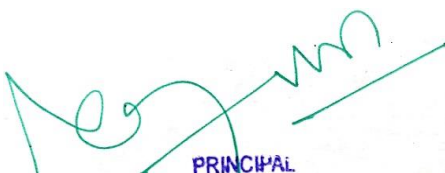
With the increase in population and development civilization, the demand for house is increased at peak rate. Especially in towns due to rapid industrialization, the demand is very high. Adapting the Construction of Multistoried Building not only matches with demand but also decreases the price of single house.

Hence an Engineer to be knowledgeable about the planning and designing of such multistoried Buildings. Advancement of computer package have given many tools to the designer towards achieving the best and accuracy in their work An attempt is made in this project to utilize the computer package and comparing the result with manual procedures.

In our project, a Multistoried Building is analyzed and designed for live loads, dead loads and seismic loads. The process of modeling analysis and design of Beams and Column is Designed Manually and compared with STAAD Design.

STAAD Pro allows structural engineers to analyzed and design virtually any type of structure through its flexible modeling environment, advanced features and parent data collaboration. By referring to various research papers it is concluded that software based analysis and design is accurate and also it can save as compared to manual.

In this project we have designed a Residential building (RCC) G+5 using staad pro V8i which includes design of elements such as beams, columns, and footings. Study of loads acting on building and RCC design with reference to IS:875 and IS:875 and IS:456-20.


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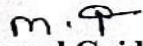
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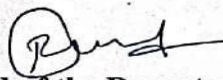
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D.VENU	20T85A0129
B. VIKRANTH GUPTA	20T85A0130

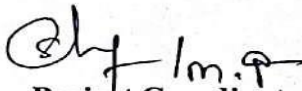
Have satisfactorily completed the major project work entitled


**“ PLANNING, ANALYSIS & DESIGN OF A G+4 RESIDENTIAL BUILDING
WITH SHEAR WALLS BY USING E-TABS ”**

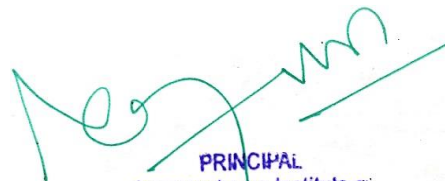
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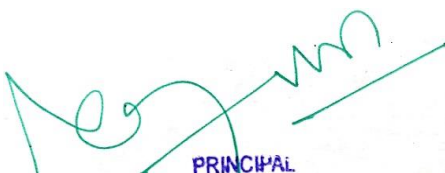
ABSTRACT

Multi storied RC framed buildings are subjected to not only gravity and horizontal loads. Many buildings are failed due to horizontal loads. To resist horizontal loads the Shear walls are very effective in resisting the horizontal displacements in the multi storied buildings.

In the present study the critical horizontal displacements are identified to design the shear wall locations. This study is carried by considering a RCC Building frame of G+4 residential building.

As per Indian Standard codl provisions the static earthquakes are being considered in the zone III. The critical parameters are identified displacements are identified based on by calculating the horizontal story displacements, story shears, story drifts and base shear of the structure.

Keywords: Shear wall, Earthquake, E-TABS


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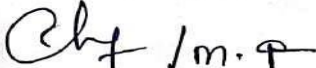
1. S. DRUVATEJA	19T85A0111
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3. N. NARESH	20T85A0112
4. G. UPENDER	20T85A0128


Have satisfactorily completed the major project work entitled

**“ANALYSIS AND DESIGN OF AN INDUSTRIAL BUILDING
BY USING SAP2000”**

In a partial fulfillment of the requirements for the award of Bachelor of Technology in Civil Engineering, is prescribed by Jawaharlal Nehru Technological for the year 2019-2023.



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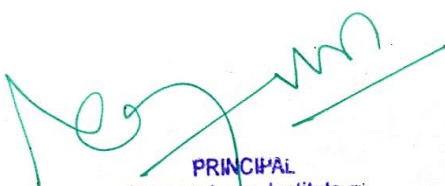

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ABSTRACT

Analysis and design was carried out for three different type of roof trusses namely fink truss, pratt truss and howe truss for two different type of steel sections i.e. Angle section and I section on SAP2000 software. The analysis for optimum section were carried out for combination of three trusses with two sections each making six different combinations of truss and sections and the best optimized section with truss was found on SAP2000 software. Comparative study was made and it was found that Fink truss with angle section to be optimum and economical. In order to design a fire-resistant steel structure, the change in the physical and mechanical properties of the steel at high temperatures must be known. As the temperature of steel structural elements increases during fire, their strength decreases considerably. After a certain temperature, these strength drops reach critical levels. Therefore, collapses and various deformations (buckling, arching, etc.) occur. To prevent these collapses during the fire, various fire protection materials must be applied to the structural members such as column and beam. Columns are the most critical structural elements in a steel bearing system. While the possible collapse of the columns may cause the collapse of the whole structure, the beams alone may not cause the collapse of the structure, and the column-beam junctions directly affect the spread of fire. Since there will be many openings and gaps in industrial buildings, the spread and growth of a possible fire becomes very serious.


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Have satisfactorily completed the mini project work entitled

**“STUDY ON THE EFFECTS OF USING ALCCOFINE AND
RECYCLED CONCRETE AGGREGATE IN COHRESIONAL
CONCRETE”**

In partial fulfillment of the requirement for the award of Bachelor of
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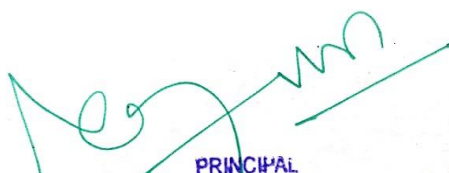
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ABSTRACT

Recycling of concrete has gaining importance from the past decades in view of the environmental considerations. Aggregate obtained by recycling of concrete is termed as the recycled concrete aggregate which has inferior properties compared to the natural aggregates. In view of environmental considerations, OPC is replaced with PSC which is a *blended cement* and natural river sand is replaced with manufactured sand for savings in economy of the project.

Alccofine C 1203 is a ultra-fine GGBS which possesses supplementary cementitious properties added as a partial replacement to the cement. Based on the trial studies, the optimum replacement percentage of Alccofine is identified and natural coarse aggregate is replaced with recycled concrete aggregate by 75 % & 100 % respectively. Hardened properties of the concrete comprising of Alccofine and recycled concrete aggregate are compared with the natural aggregate concrete at 28 days of curing.

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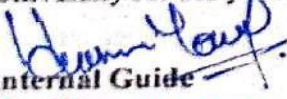
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“STABILIZATION OF SOIL USING COCONUT COIR”

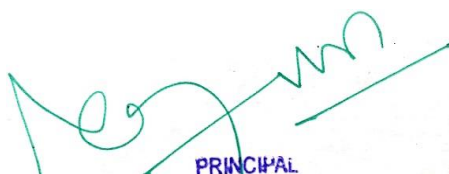
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ABSTRACT

This research focused on the compaction characteristics (MDD, OMC) and strength properties (CBR Values) of expansive soils such as clayey soil. Compaction characteristics and bearing capacity can be improved by stabilization process of soil. These properties can be improved by controlled compaction using mechanical equipment or by addition of suitable admixture or reinforcing the soil with crumb rubber, plastic waste, fiber etc. here we used natural fiber like coconut coir fiber. Reinforcement of soil with coir fiber is low-cost approach for improving the soil properties such as (MDD value, CBR value). It includes effects of coir fiber on clayey soil based on the results of Standard Proctor tests, Atterberg limit test, and California Bearing Ratio (CBR) tests. Coir Fiber was added in different proportions of 1%, 2.5%, and 5% respectively. It is found that with addition of coconut coir fiber at 2.5%, with clayey soil M.D.D changes from 1.63gm/cc to 1.67gm/cc. C.B.R ratio from 4.59% to 6.13% at O.M.C of 14.28%.

Soil stabilization has become a major issue in Construction engineering and the researches regarding the Effectiveness of using natural wastes are rapidly increasing. The use of natural fibers to reinforce soil is an old and ancient Idea. Consequently, randomly distributed fiber reinforced soils Have recently attracted increasing attention in geotechnical Engineering. The main aim of this paper, therefore, is to review The, benefits, properties and applications of coir fiber in soil Reinforcement through reference to published scientific data. Keywords: California Bearing Ratio (CBR), Optimum Moisture Content (OMC), Maximum Dry Density (MDD), Safe Bearing Capacity (SBC).


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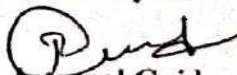
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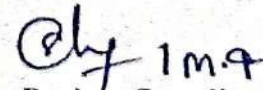
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CH.SAI KUMAR	20T85A0124


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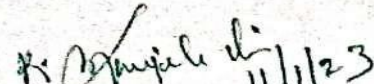
**“EXPERIMENTAL STUDY OF HIGH-DENSITY
CONCRETE ”**


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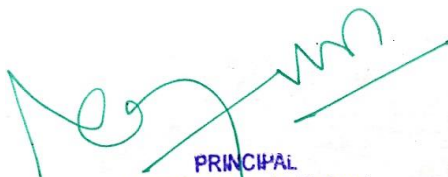

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ABSTRACT

Concrete has an extensive role to play both in construction and improvement of our civil engineering and infrastructure. It's great strength, durability and versatility are properties that are utilized in the construction of roads, bridges, airport, railways, tunnels, ports and harbours and many other major infrastructure projects. To call the concrete, as high-density concrete, it must have unit weight at 100% replacement of haematite ranging from 3400 kg/m^3 to 3600 kg/m^3 . They can, however be produced with the densities up to about 5280 kg/m^3 High density concrete offers reliable, cost-efficient radiation shielding and can be used alongside other shielding materials to maximize protection in the available space. High density aggregates are the key ingredient in High density concrete.

The more common aggregates used to achieve the required densities are Hematite, Ilmenite, Magnetite and Steel aggregate. The concrete was studied using Hematite (iron ore) having a density varies from $3400\text{-}3600 \text{ Kg/m}^3$. Several properties of concretes with design mix of M60 grade were also studied that include the compression, The high density concrete was also compared with normal weight concrete of the same strength grade with respect to the above parameters. Based on the experimental investigations carried on the conventional concrete, high density Concrete has more Compressive strength, Split tensile strength, values are found out.


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Have satisfactorily completed the mini project work entitled


**“STUDY ON STRENGTH AND DURABILTY OF HIGH-
PERFORMANCE CONCRETE BASED ON FLY ASH AND MICRO
SILICA”**

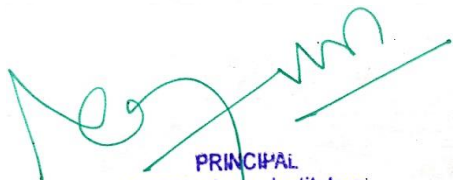
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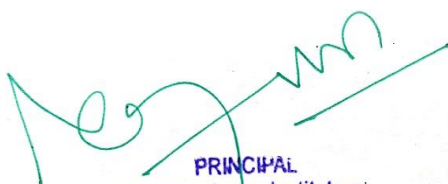

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ABSTRACT

This project work presents the strength characteristics of micro silica concrete. The micro silica concrete is an innovative and eco-friendly construction material and an alternative to Portland cement concrete. Use of micro silica concrete reduces the demand of Portland cement which is responsible for high CO₂ emission. Concrete is the most versatile used material which requires the large quantity of Portland cement. But the production of Portland Pozzolana cement (PPC) generates large amount of carbon-di-oxide which is polluting the atmosphere. Hence it is inevitable to find an alternative material Micro silica concrete is an innovative construction material which shall be produced by the chemical action of inorganic molecules. This depends upon thermally activated natural materials like fly ash, micro silica. Fly ash is a by-product of coal obtained from thermal power plants. This is rich in silica. Micro silica is the by-product of the silicon and ferro silicon alloy production. The river is the most popular choice for the fine aggregate component of concrete.

The present work involves to investigate the mechanical properties of concrete like compressive strength of micro silica concrete. Comparing with the test results of M₄₀ grade to reduce the usage of cement. On replacement of cement with fly ash and micro silica at 10%, 20% by weight of cement. conventional curing is adopted.


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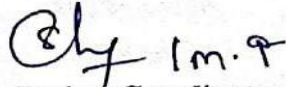
G SAI KUMAR	20T85A0125
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B VIKRANTH GUPTA	20T85A0130
J VINEETH KUMAR	20T85A0131

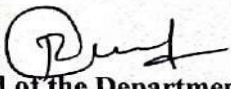
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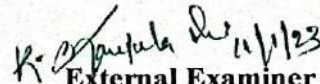
“EXPERIMENTAL INVESTING OF COMPARISION OF THE
MECHANICAL PROPERTIES OF THE NATURAL AGGREGATE
CONCRETE AND RECYCLED AGGREGATE CONCRETE”

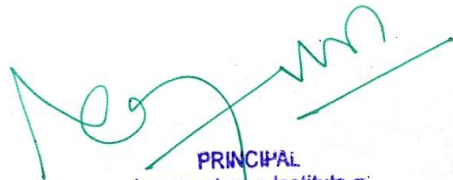
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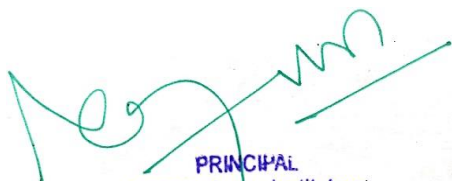

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ABSTRACT

Increase in demand and decrease in supply of aggregates for the production of concrete, result in the need to identify new sources of aggregates. Construction materials are increasingly judged by their ecological characteristics. Recycling of concrete gains importance because it protects natural resources and eliminates the need for disposal by using the readily available concrete as an aggregate source for new concrete. Several investigations made to study the effects of recycled aggregate on the engineering properties of concrete. As a part of the research in the present work, the natural coarse aggregate is replaced with recycled concrete aggregate completely to compare the behavior of the engineering properties of Natural aggregate concrete and recycled aggregate concrete at 28 days of curing.

Keywords: recycled concrete aggregate, water absorption, residual mortar, aggregate properties, concrete material properties, structural performance.



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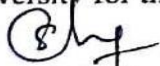
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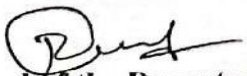
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**“EFFECTS OF RECYCLED AGGREGATE ON
ENGINEERING PROPERTIES OF CONCRETE”**

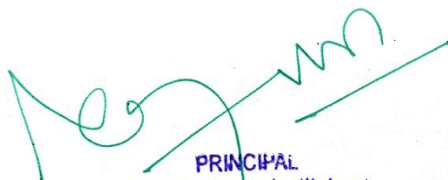
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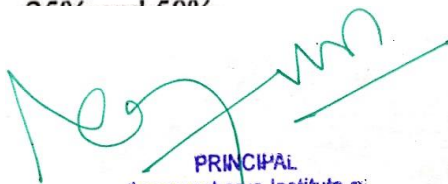

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ABSTRACT

Worldwide, cities generate about 1.3 billion Tons of solid waste per year. Building materials account for about half of all materials used and about half the solid waste generated worldwide. The waste generated in the construction, maintenance, repair and disposal phases of a building, is called Construction and Demolition (C&D) Waste. Management of C&D waste is a problem faced not only in India but by the global community and quantum of waste produced occupies a huge fraction of the total solid waste generation by mass.

The demand for construction is ever increasing due to the rapid infrastructure developments taking place all around the globe. This has created a need of using alternative construction materials in place of the conventional ones which are expensive and scarce. Whenever any construction/ demolition activity takes place construction and demolition (C&D) waste is generated. The disposal of the construction waste is a major problem as it remains for years as a solid municipal waste and it causes severe blockage of sewerage systems, pollution of river streams, unwanted accumulation on lands, etc.

Recycling aggregates from construction waste is a possible way of saving the environment from pollution and eradicating the above mentioned problems. Many researches have shown that recycled coarse aggregates can be used as a reliable alternative to normal coarse aggregate in construction, particularly for structural application. In the present work, the behaviour of the mechanical properties of the concrete made with natural aggregate concrete and recycled aggregate concrete is compared at 28 days of curing in which the natural coarse aggregate is replaced with recycled concrete aggregate by



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
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P SUNIL	20T85A0127
CH SHARATH KUMAR	19T81A0105

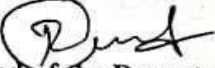
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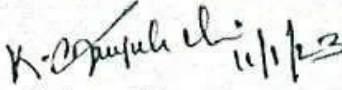
“EFFECTS OF ALCCOFINE AND RECYCLED CONCRETE AGGREGATE
ON HARDEND PROPERTIES OF CONCRETE”


In partial fulfillment of the requirement for the award of Bachelor of Technology in
Civil Engineering, prescribed by Jawaharlal Nehru Technological University for the year 2019-
2023.


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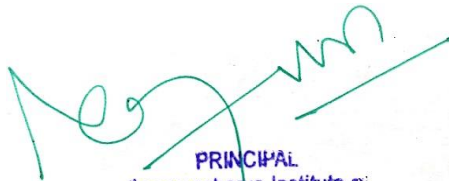

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ABSTRACT

Recycling of concrete has gained importance in the past decades in view of environmental considerations. Aggregate obtained by recycling concrete is termed recycled concrete aggregate which has inferior properties compared to natural aggregates. In view of environmental considerations, OPC is replaced with PSC which is a Blended Cement and natural river sand is replaced with manufactured sand for savings in the economy of the project.

Alccofine C 1203 is an ultra-fine GGBS that possesses supplementary cementitious properties added as a partial replacement to the cement. Based on the trial studies, the optimum replacement percentage of Alccofine is identified as 10% and natural coarse aggregate is replaced with recycled concrete aggregate by 25 % & 50 % respectively. Hardened properties of the concrete comprising Alccofine and recycled concrete aggregate are compared with the natural aggregate concrete at 28 days of curing. The alccofine -1203 has ultra-fine particles with a unique chemical composition that improves the hydration process and pozzolanic reaction. Therefore, its incorporation in concrete has resulted in good workability, reduction in heat of hydration and reduction in permeability to concrete and increased the rate of hydration process and improved the pozzolanic reaction to achieve high strength to concrete at the early curing stage . The presence of calcium (CaO) and silica (SiO₂) in alccofine -1203 improved the mechanical and durability properties of concrete better than the other SCMs .



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2019-2023

Certificate

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T. RADHIKA	20T85A0121
D. PAVAN	20T85A0115
M. MACHENDHAR	19T81A0102

Have satisfactorily completed the minor project work entitled

**“MECHANICAL PROPERTIES ON GLASS FIBRE REINFORCED
RECYCLED CONCRETE AGGREGATE”**

In partial fulfillment of the requirement for the award of Bachelor of Technology in Civil Engineering, prescribed by Jawaharlal Nehru Technological University for the year 2019-2023.



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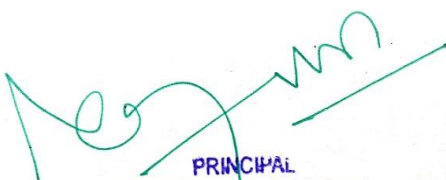
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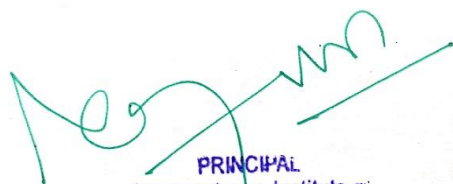

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ABSTRACT

Plain cement concrete has inferior performance in tension and a very high carbon footprint. These issues can be minimized by simultaneous incorporation of fibers and recycled aggregates in concrete. This research paper investigates the influence of glass fiber (GF) reinforcement on mechanical and durability performance of concrete made with recycled coarse aggregate (RCA).

In this study, two types of concrete mixes are produced using 100% RCA, and in each of these two mixes, 0.1%, 0.2% and 0.3% volume fractions of GF are used. Mechanical performance of concrete mixtures is evaluated based on compressive strength and flexure strength.

The use of Recycled Concrete Aggregate is gaining importance throughout the globe due to the depleting source of natural aggregate and disposal problem of demolished waste. Concrete is a versatile material with numerous applications thus by using recycled aggregate in it we can achieve economy and sustainability, but the only problem is its brittleness. Thus this brittleness in concrete can be overcome by dispersing fibers discretely in the concrete. The aim of this research work is to determine the suitability of glass fibers for use in structural recycled aggregate concrete of high strength. In this research work we have partially replaced recycled aggregate concrete (0%, 20%, 40%, 60%) with varying percentages of glass fibers (0.02%, 0.04%, 0.06%) and have compared it with the corresponding conventional aggregate concrete. Thus the mechanical properties of M20 grade concrete with various replacements levels of coarse aggregate were studied and it was found that Recycled Aggregate Concrete (RAC) had lower strength compared to Natural Aggregate Concrete (NAC) and showed an increase in strength with the addition of fiber.



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DEPARTMENT OF CIVIL ENGINEERING
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This is to certify that the project report entitled
“CONSTRUCTION OF FLEXIBLE PAVEMENT”
being submitted by

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3. CH. KRISHNA VAMSHI	20T85A0107
4. S. VISHAL	20T85A0132

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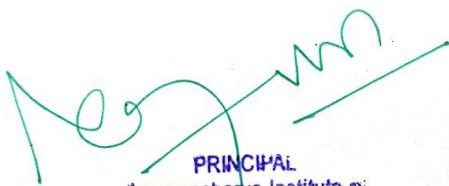
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ABSTRACT

The satisfactory performance of the pavement will result in higher savings in terms of vehicle operating costs and travel time, which has a bearing on the overall economic feasibility of the project. Flexible pavements are those, which on the entire have low or immaterial flexural quality and are somewhat flexible in their basic activity under the loads. The Flexible pavements layer reflects the distortion of the lower layer on to the surface of the layer.

Accordingly, if the lower layer of the pavements or soil sub-grade is undulated the adaptable parts: soil sub-grade, sub-base course, base course furthermore, surface course. The total work includes collection of data analysis of various flexible and rigid pavement designs and their estimation procedure are very much useful to the engineer who deals with highways and road construction techniques.



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**PROFIT MAXIMIZATION FOR CLOUD BROKERS IN CLOUD
COMPUTING**

A Major-Project report submitted in partial fulfillment of the requirements of
Jawaharlal Nehru Technological University

For the award of Degree of
Bachelor of Technology
in
Computer Science and Engineering

By

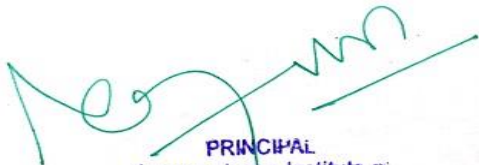
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G. VAMSHI SAGAR
B. BHARATH KUMAR

19T81A0556
19T81A0563
20T85A0504

Under the guidance of
D. MAMATHA REDDY M.Tech
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In partial fulfillment for the award of **Bachelor of Technology in Computer Science and Engineering in ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**,
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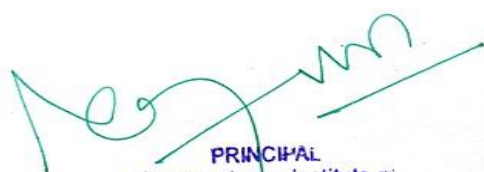

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ABSTRACT

Along with the development of cloud computing, more and more applications are migrated into the cloud. An important feature of cloud computing is pay-as-you-go. However, most users always have to pay more than their actual usage due to the one-hour billing cycle. In addition, most cloud service providers provide a certain discount for long-term users, but short-term users with small computing demands cannot enjoy this discount. To reduce the cost of cloud users, we introduce a new role, which is cloud broker. A cloud broker is an intermediary agent between cloud providers and cloud users. It rents a number of reserved VMs from cloud providers with a good price and offers them to users on an on-demand basis at a cheaper price than that provided by cloud providers. Besides, the cloud broker adopts a shorter billing cycle compared with cloud providers. By doing this, the cloud broker can reduce a great amount of cost for user. In addition to reduce the user cost, the cloud broker also could earn the difference in prices between on-demand and reserved VMs. In this paper, we focus on how to configure a cloud broker and how to price its VMs such that its profit can be maximized on the premise of saving costs for users. Profit of a cloud broker is affected by many factors such as the user demands, the purchase price and the sales price of VMs, the scale of the cloud broker, etc.. Moreover, these factors are affected mutually, which makes the analysis on profit more complicated. In this paper, we firstly give a synthetically analysis on all the affecting factors, and define an optimal multi server configuration and VM pricing problem which is modeled as a profit maximization problem. Secondly, combining the partial derivative and bisection search method, we propose a heuristic method to solve the optimization problem. The near- optimal solutions can be used to guide the configuration and VM pricing of the cloud broker. Moreover, a series of comparisons are given which show that a cloud broker can save a considerable cost for users.



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**SECURE FILE STORAGE IN CLOUD COMPUTING USING HYBRID
CRYPTOGRAPHY ALGORITHM**

A Major-Project report submitted in partial fulfilment of the requirements of
Jawaharlal Nehru Technological University

For the award of Degree of
Bachelor of Technology in
Computer Science and Engineering

By

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VAKITI SANDEEP	19T81A0549


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ABSTRACT

Now a day's cloud computing is used in many areas like industry, military colleges etc to storing huge amount of data. We can retrieve data from cloud on request of user. To store data on cloud we have to face many issues. To provides the solution to these issues there are n number of ways. Cryptography and steganography techniques are more popular now a day's for data security. Use of a single algorithm is not effective for high level security to data in cloud computing. In this paper we have introduced new security mechanism using symmetric key cryptography algorithm and steganography. In this proposed system AES, blowfish, RC6 and BRA algorithms are used to provide block wise security to data. All algorithm key size is 128 bit. LSB steganography technique is introduced for key information security. Key information contains which part of file is encrypted using by which algorithm and =key. File is splited into eight parts. Each and every part of file is encrypted using different algorithm. All parts of file are encrypted simultaneously with the help of multithreading technique. Data encryption Keys are inserted into cover image using LSB technique. Stego image is send to valid receiver using email .For file decryption purpose reverse process of encryption is applied.


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**SECURE DATA TRANSFER AND DELETION FROM
COUNTING BLOOM FILTER IN CLOUD COMPUTING**

A Major-Project report submitted in partial fulfillment of the requirements of

Jawaharlal Nehru Technological University

For the award of Degree of

Bachelor of Technology

in

Computer Science and Engineering

By

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CHOULA SHREYASWI
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being submitted by

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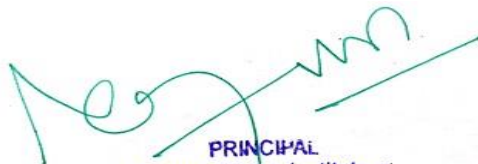
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for CONSCIENCE TECHNOLOGIES





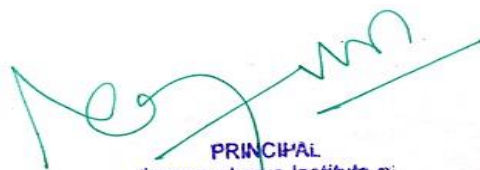
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ABSTRACT

With the rapid development of cloud storage, an increasing number of data owners prefer to outsource their data to the cloud server, which can greatly reduce the local storage overhead. Because different cloud service providers offer distinct quality of data storage service, e.g., security, reliability, access speed and prices, cloud data transfer has become a fundamental requirement of the data owner to change the cloud service providers. Hence, how to securely migrate the data from one cloud to another and permanently delete the transferred data from the original cloud becomes a primary concern of data owners. To solve this problem, we construct a new counting Bloom filter-based scheme in this paper. The proposed scheme not only can achieve secure data transfer but also can realize permanent data deletion. Additionally, the proposed scheme can satisfy the public verifiability without requiring any trusted third party. Finally, we also develop a simulation implementation that demonstrates the practicality and efficiency of our proposal.



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**CREDIT CARD FRAUD DETECTION USING ADABOOST
AND MAJORITY VOTING**

A Major-Project report submitted in partial fulfillment of the requirements
of Jawaharlal Nehru Technological University

For the award of Degree of

Bachelor of Technology
in
Computer Science and Engineering

By

NALA VARSHITHA 20T85A0512
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RACHARLA RAMYA SREE 18T81A0522

Under the guidance of
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Asst. Professor, CSE Department



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CERTIFICATE

This is to certify that the major project work entitled "**CREDIT CARD FRAUD
DETECTION USING ADABOOST AND MAJORITY VOTING**" being submitted by

NALA VARSHITHA
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In partial fulfillment for the award of **Bachelor of Technology in Computer Science and Engineering** in **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayathnagar Mandal, Hyderabad during the Academic Year 2022-2023. The above work is carried out under the guidance & supervision.

The Thesis submitted for external viva voice examination on 30-06-2023


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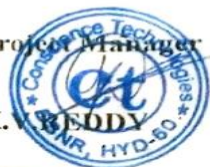
18T81A0522

Students of final year B.Tech, **Computer Science and Engineering**, **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, HYDERABAD** (affiliated to *J.N.T.University, Hyderabad*), have successfully completed their project titled **“CREDIT CARD FRAUD DETECTION USING ADABOOST AND MAJORITY VOTING”** in JAVA DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

For **CONSCIENCE TECHNOLOGIES**


Project Manager


K. SODY



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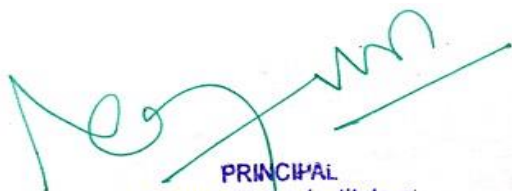
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ABSTRACT

Credit card fraud is a serious problem in financial services. Billions of dollars are lost due to credit card fraud every year. There is a lack of research studies on analyzing real-world credit card data owing to confidentiality issues. In this paper, machine learning algorithms are used to detect credit card fraud. Standard models are firstly used. Then, hybrid methods which use Ada Boost and majority voting methods are applied. To evaluate the model efficacy, a publicly available credit card data set is used. Then a real-world credit card data set from a financial institution is analyzed. In addition, noise is added to the data samples to further assess the robustness of the algorithms. The experimental results positively indicate that the majority voting method achieves good accuracy rates in detecting fraud cases in credit cards.



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HOUSING SOCIETY MANAGEMENT SYSTEM

A Major-Project report submitted in partial fulfillment of the requirements of
Jawaharlal Nehru Technological University

For the award of Degree of
Bachelor of Technology
in
Computer Science and Engineering

By


BONAGIRI SAKETH	19T81A0547
MYADABOINA RAMESH MEGHNA	19T81A0542
THOGITI SRIJA	20T85A0511

Under the guidance of
K.NAGALATHA M.Tech
Asst.Professor , CSE Department



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(2022-23)


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This is to certify that the major project work entitled "**HOUSING SOCIETY MANAGEMENT SYSTEM**" being submitted by

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THOGITI SRIJA

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In partial fulfillment for the award of **Bachelor of Technology** in **Computer Science and Engineering** in **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayathnagar Mandal, Hyderabad during the Academic Year 2022-2023. The above work is carried out under the guidance & supervision.

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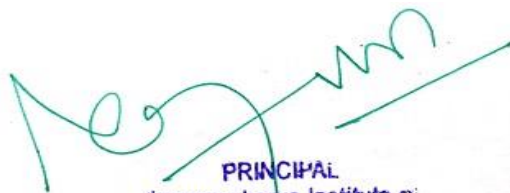
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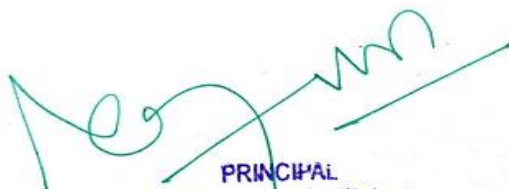
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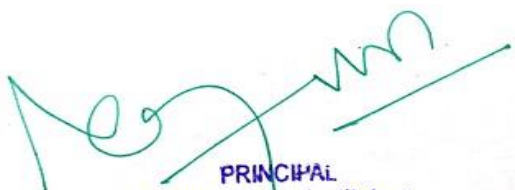
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ABSTRACT

Housing society or apartment management plays a significant role in our residential life. Our day to day needs such as water supply, electricity, security, maintenance comes under housing society management. This system exists for the purpose to help and ease our life but has many traditional methods and a lot of paperwork. Our proposed system is an android application which will compute all day-to-day operations in the society. This system is an automated system which will keep the details of daily notices, monthly meetings, cultural events and also contains sections such as complaints, domestic help, calendar etc.



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**SEGREGATING SPAMMERS AND UNSOLICITED
BLOGGERS FROM GENUINE EXPERTS ON TWITTER**

A Major Project report submitted in partial fulfillment of the requirements of
Jawaharlal Nehru Technological University
For the award of Degree of
Bachelor of Technology
in
Computer Science and Engineering

By

Name of the student

K. RISHI VARADHAN [TL]
TEJAVATH VAMSIKRISHNA
PRATHIMESH SHASTRI

Roll No

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19T81A0564
19T81A0551

Under the guidance of

K. HEPHIZIBH VIOLET^{M Tech}
Asst. professor of CSE Department



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“SEGREGATING SPAMMERS AND UNSOLICITED BLOGGERS FROM GENUINE
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K. RISHI VARADHAN [TL]

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TEJAVATH VAMSIKRISHNA

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PRATHMESH SHASTRI

19T81A0551

in partial fulfillment of the requirements of the award of degree of **Bachelor of
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Head of Dept


PROJECT COORDINATOR


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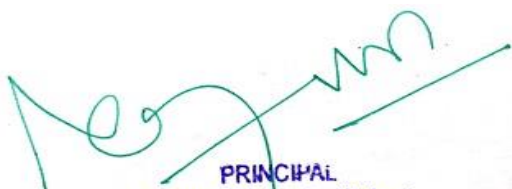
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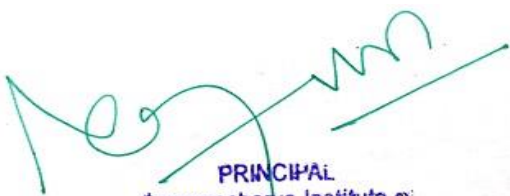


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ABSTRACT

Online Social Networks (OSN s) have not only significantly reformed the social interaction pattern but have also emerged as an effective platform for recommendation of services and products. The upswing in use of the OSN s has also witnessed growth in unwanted activities on social media. On the one hand, the spammers on social media can be a high risk towards the security of legitimate users and on the other hand some of the legitimate users, such as bloggers can pollute the results of recommendation systems that work alongside the OSN

s. The polluted results of recommendation systems can be precarious to the masses that track recommendations. Therefore, it is necessary to segregate such type of users from the genuine experts. We propose a framework that separates the spammers and unsolicited bloggers from the genuine experts of a specific domain. The proposed approach employs modified Hyperlink Induced Topic Search (HITS) to separate the unsolicited bloggers from the experts on Twitter on the basis of tweets. The approach considers domain specific keywords in the tweets and several tweet characteristics to identify the unsolicited bloggers. Experimental results demonstrate the effectiveness of the proposed methodology as compared to several state-of-the-art approaches and classifiers.



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**REAL TIME HUMAN EMOTION RECOGNITION BASED
ON FACIAL EXPRESSION DETECTION USING SOFTMAX
CLASSIFIER AND PREDICT THE ERROR LEVEL OPEN CV**

A Major Project report submitted in partial fulfillment of the requirements of
Jawaharlal Nehru Technological University

For the award of Degree of

Bachelor of Technology
in
Computer Science and Engineering

By

MUTHAMALA VAMSI KRISHNA
NAMPELLI SHIVAJI
BURAGAPU SAI SUJAN

17T81A0561
18T81A0530
19T81A0546

UNDER THE GUIDENCE OF

D. KUSUMA M. TECH
Asst. Professor, CSE Department



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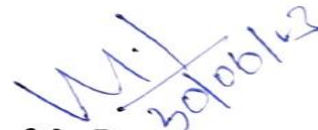
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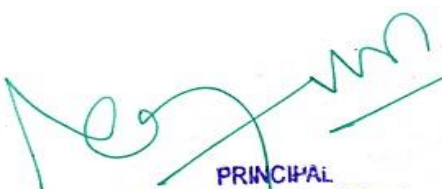
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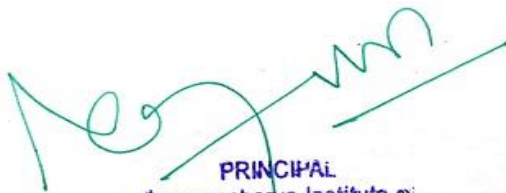
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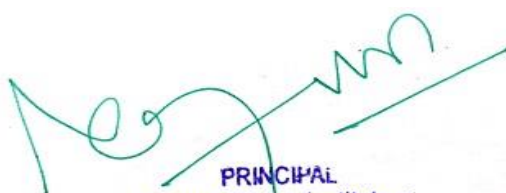


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ABSTRACT

Now-a-days with the continued development of artificial intelligence facial emotion recognition has become more popular. The emotion recognition plays a major role in interaction technology. In interaction technology the verbal components only play a one third of communication and the non-verbal components plays a two third of communication. A facial emotion recognition (FER) method is used for detecting facial expressions. Facial expression plays a major role in expressing what a person feels and it expresses inner feeling and his or her mental situation or human perspective. This paper aims to identify basic human emotions with the combination of gender classification and age estimation. The facial emotions such as happy, sad, angry, fear, surprised, neutral emotions are considered as basic emotions. Here proposes a real time facial emotion recognition system based on You Look Only Once (YOLO) version 2 architecture and a squeeze net architecture. The yolo architecture is a real time object detection system. Here it used for identify and detect faces in real time. These images are captured by using anchor boxes for accuracy. The second architecture is squeeze net and is used for gender classification and age estimation. It provides significant, accurate object detection and extracts high-level features that help to achieve tremendous performance to classify the image and detecting objects. Both the architectures provide accurate result than other methods with the large no of hidden layers and cross validation in the neural network.



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**PLANT DISEASE IDENTIFICATION AND PESTICIDES
RECOMMENDATION USING CNN**

A Major Project report submitted in partial fulfillment of the requirements of
Jawaharlal Nehru Technological University

For the award of Degree of

Bachelor of Technology
in
Computer Science and Engineering

By

Name of the student

PUNNA PRAVALLIKA

VASPARI ANUSHA

DONTHARABOINA SANDEEP

Roll No

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19T81A0548

Under the guidance of


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The Thesis submitted for external viva voice examination on 30-06-23


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Asst. Professor



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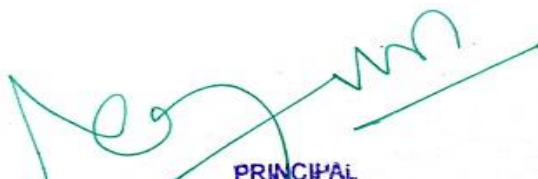
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ABSTRACT

Plant diseases are a major threat to farmers, consumers, environment and the global economy. In India alone, 35% of field crops are lost to pathogens and pests causing losses to farmers. Indiscriminate use of pesticides is also a serious health concern as many are toxic and biomagnified. These adverse effects can be avoided by early disease detection, crop surveillance and targeted treatments. Most diseases are diagnosed by agricultural experts by examining external symptoms. However, farmers have limited access to experts. Our project is the first integrated and collaborative platform for automated disease diagnosis, tracking and forecasting. Farmers can instantly and accurately identify diseases and get solutions with a mobile app by photographing affected plant parts. Real-time diagnosis is enabled using the latest Artificial Intelligence (AI) algorithms for Cloud-based image processing. The AI model continuously learns from user uploaded images and expert suggestions to enhance its accuracy. Farmers can also interact with local experts through the platform. For preventive measures, disease density maps with spread forecasting are rendered from a Cloud based repository of geo-tagged images and micro-climactic factors. A web interface allows experts to perform disease analytics with geographical visualizations. In our experiments, the AI model (CNN) was trained with large disease datasets, created with plant images self-collected from many farms over 7 months. Test images were diagnosed using the automated CNN model and the results were validated by plant pathologists. Over 95% disease identification accuracy was achieved. Our solution is a novel, scalable and accessible tool for disease management of diverse agricultural crop plants and can be deployed as a Cloud based service for farmers and experts for ecologically sustainable crop production.

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ONLINE LEAVE SANCTION APPLICATION FOR STUDENTS

A Major-Project report submitted in partial fulfillment of the requirements
of Jawaharlal Nehru Technological University

For the award of Degree of

Bachelor of Technology
in
Computer Science and Engineering

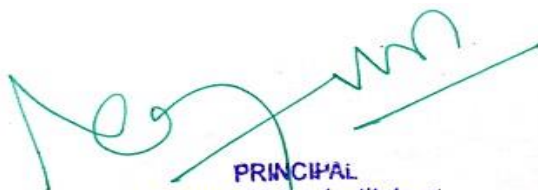
By

THALLADA SREEJA	19T81A0555
KALLURI VEENA	19T81A0566
POREDDY VIKITHA	19T81A0567


Under the guidance of
V. RAMESH BABU M.TECH (Ph.D.)
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The Thesis submitted for external viva voice examination on

30/6/2023

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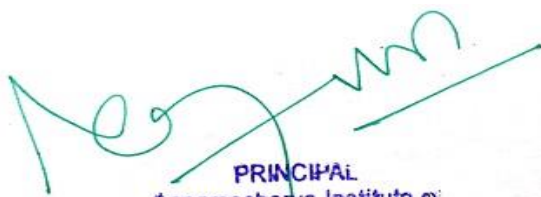
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ABSTRACT

This project is aimed at developing an online leave sanction application for students. It is a web-based application that is developed using JAVA and MYSQL in which the student can apply for leave online for their respective department faculty. This system can be used to automate the workflow of leave applications and their approvals. The faculty can login into the website if there are any notifications. Faculty can accept or reject the leave application of the student based on their attendance percentage or may be based on their reason. The student can also be able to submit the proofs in jpg format if there are any. The leave approval or rejection can be notified to the corresponding student's guardian. Both the faculty and the student will be able to view their leave history. The faculty can be able to view their corresponding students' information like attendance, leave history.



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**MISSING CHILD IDENTIFICATION SYSTEM USING DEEP
LEARNING AND MULTICLASS SVM**

A Major-Project report submitted in partial fulfillment of the requirements
of Jawaharlal Nehru Technological University
For the award of Degree of

Bachelor of Technology
in
Computer Science and Engineering

By

GURRALA ANUHYA REDDY 19T81A0508
THADIKONDA MANIKANTA 19T81A0527
GONELA PAVAN KUMAR 19T81A0533

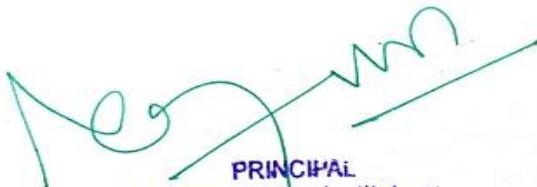
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“**MISSING CHILD IDENTIFICATION SYSTEM USING DEEP LEARNING AND
MULTICLASS SVM**” in PYTHON DIVISION, CONSCIENCE TECHNOLOGIES (CT),
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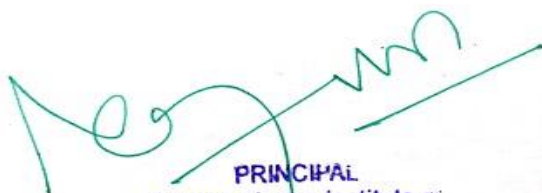
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ABSTRACT

In India a countless number of children are reported missing every year. Among the missing child cases a large percentage of children remain untraced. This paper presents a novel use of deep learning methodology for identifying the reported missing child from the photos of multitude of children available, with the help of face recognition. The public can upload photographs of suspicious child into a common portal with landmarks and remarks. The photo will be automatically compared with the registered photos of the missing child from the repository. Classification of the input child image is performed and photo with best match will be selected from the database of missing children. For this, a deep learning model is trained to correctly identify the missing child from the missing child image database provided, using the facial image uploaded by the public. The Convolutional Neural Network (CNN), a highly effective deep learning technique for image based applications is adopted here for face recognition. Face descriptors are extracted from the images using a pre-trained CNN model VGG-Face deep architecture. Compared with normal deep learning applications, our algorithm uses convolution network only as a high level feature extractor and the child recognition is done by the trained SVM classifier. Choosing the best performing CNN model for face recognition, VGG-Face and proper training of it results in a deep learning model invariant to noise, illumination, contrast, occlusion, image pose and age of the child and it outperforms earlier methods in face recognition based missing child identification. The classification performance achieved for child identification system is 99.41%. It was evaluated on 43 Child cases.



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**PROTECTING YOUR SHOPPING REFERENCE WITH
DIFFERENTIAL PRIVACY**

A Major-Project report submitted in partial fulfillment of the requirements of
Jawaharlal Nehru Technological University
For the award of Degree of
Bachelor of Technology in
Computer Science and Engineering

By

S.ABHISHEK REDDY	19T81A0501
MG.ROHAN	19T81A0514
CH.PAVAN KUMAR	19T81A0534

**Under the guidance of
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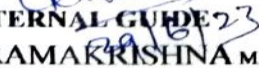
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In partial fulfillment for the award of **Bachelor of Technology** in **Computer Science and Engineering** in **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayathnagar Mandal, Hyderabad during the Academic Year 2022-2023. The above work is carried out under the guidance & supervision.

The Thesis submitted for external viva voice examination on 29/06/23

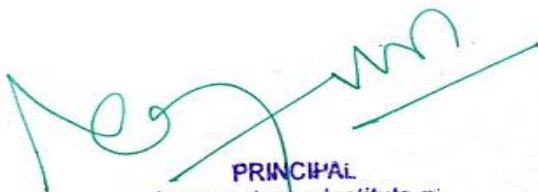

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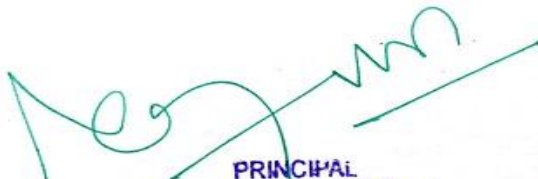
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Students of final year B.Tech, **Computer Science and Engineering**, ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, HYDERABAD (affiliated to J.N.T.University, Hyderabad), have successfully completed their project titled **“PROTECTING YOUR SHOPPING PREFERENCE WITH DIFFERENTIAL PRIVACY”** in JAVA DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.


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Project Manager

K. V. REDDY
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ABSTRACT

Online banks may disclose consumers' shopping preferences due to various attacks. With differential privacy, each consumer can disturb his consumption amount locally before sending it to online banks. However, directly applying differential privacy in online banks will incur problems in reality because existing differential privacy schemes do not consider handling the noise boundary problem. In this paper, we propose an Optimized Differential private transaction scheme (O-DIOR) for online banks to set boundaries of consumption amounts with added noises. We then revise O-DIOR to design a RO-DIOR scheme to select different boundaries while satisfying the differential privacy definition. Moreover, we provide in-depth theoretical analysis to prove that our schemes are capable to satisfy the differential privacy constraint. Finally, to evaluate the effectiveness, we have implemented our schemes in mobile payment experiments. Experimental results illustrate that the relevance between the consumption amount and online bank amount is reduced significantly, and the privacy losses are less than 0.5 in terms of mutual information.



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**A THREE-LAYER PRIVACY PRESERVING CLOUD STORAGE
SCHEME BASED ON COMPUTATIONAL INTELLIGENCE IN
FOG COMPUTING**

A Major-Project report submitted in partial fulfillment of the requirements of
Jawaharlal Nehru Technological University

For the award of Degree of
Bachelor of Technology
in
Computer Science and Engineering

By

DINESH MUSINI	19T81A0513
NITHYA SIRIPURAM	19T81A0531
CHANDRIKA PENUGONDA	19T81A0511

**Under the guidance of
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PERSONAL VOICE ASSISTANT

A Mini-Project report submitted in partial fulfillment of the requirements of Jawaharlal Nehru Technological University

For the award of Degree of

Bachelor of Technology in
Computer Science and Engineering

By

P KRISHNA CHAITANYA 19T81A0522

K JAGADEESH REDDY 19T81A0518

G MANOJ KUMAR 19T81A0528

Under the guidance of

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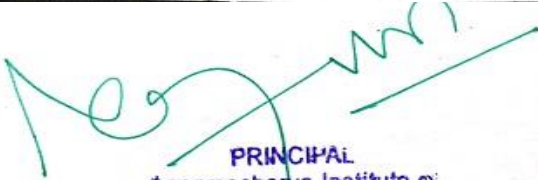
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GUMMAKONDA MANOJ KUMAR	19T81A0528

Students of final year B.Tech, **Computer Science and Engineering**, **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, HYDERABAD** (affiliated to *J.N.T.University, Hyderabad*), have successfully completed their project titled "**PERSONAL VOICE ASSISTANT**" in PYTHON DIVISION, CONSCIENCE TECHNOLOGIES (CT), Hyderabad.

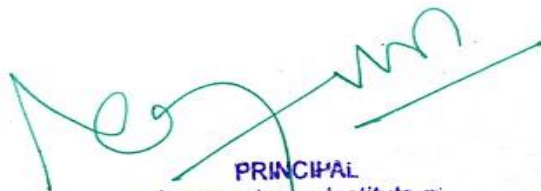
For CONSCIENCE TECHNOLOGIES

Project Manager


K.V. REDDY

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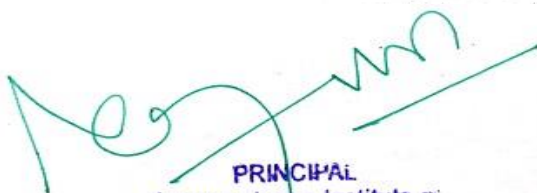
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HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
Annamacharya Institute of Technology & Sciences
Piglipur(V), Batasingaram(P), R.R.Dist-501512.

ABSTRACT

Voice control is a major growing feature that change the way people can live. The voice assistant is commonly being used in smartphones and laptops. AI-based Voice assistants are the operating systems that can recognize human voice and respond via integrated voices. This voice assistant will gather the audio from the microphone and then convert that into text, later it is sent through GTTS (Google text to speech). GTTS engine will convert text into audio file in English language, then that audio is played using play sound package of python programming Language.

it will look at examples of intelligent programs with natural language processing that are currently available, with different categories of support, and examine the potential usefulness of one specific piece of software as a VPA. This engages the ability to communicate socially through natural language processing, holding (and analyzing) information within the context of the user. It is suggested that new technologies may soon make the idea of virtual personal assistants a reality. Experiments conducted on this system, combined with user testing, have provided evidence that a basic program with natural language processing algorithms in the form of a VPA, with basic natural language processing and the ability to function without the need for other type of human input (or programming) may already be viable.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

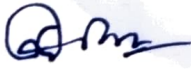
CERTIFICATE

This is certify by Major-Project Work entitled "DESIGN AND IMPLEMENTATION OF WOMEN SAFETY SYSTEM BY UTILIZING GPS AND GSM " is being submitted by the following student during the academic year 2022-2023 in practical fulfillment for the award of the B. Tech Degree in ELECTRONICS AND COMMUNICATION ENGINEERING

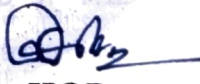
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KONNURU SWETHA	19T81A0439	MUDAVATH NARESH	19T81A0420
B. GLORY SUZAN	19T81A0406	JELLA NEHANTH	19T81A0422


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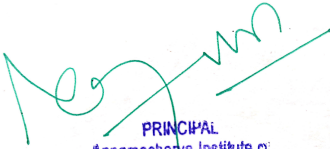

Supervisor/guide


Coordinator Faculty


HOD

Major-Project Viva-Voce Exam Held on Dated 28-06-23


Internal Examiner



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External Examiner

“DESIGN AND IMPLEMENTATION OF WOMEN SAFETY SYSTEM BY UTILIZING GPS AND GSM ”

Abstract:

The world is becoming unsafe for women in all aspects. The crime against women is increasing at a higher rate. The employed women are feeling unsafe due to increasing crimes. This paper proposes a quick responding mechanism that helps women during trouble. When someone is going to harass, she can just press the button and the location information is sent as an SMS alert to few pre-defined numbers in terms of latitude and longitude. The controller is used for this process. It is interfaced with a push button, a GPS module in a GSM modem and an LCD Display (16×2). If the switch is pressed, the controller takes the current location information from the GPS module and send those data to the predefined no. using a GSM modem. The purpose of this project is to feel safe the women.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CERTIFICATE

This is to certify that the Major Project Work entitled
“**INTELLIGENT AMBULANCE WITH AUTOMATIC TRAFFIC CONTROL**”
is being submitted by following students during academic year 2019-2023 in practical
fulfillment of the requirement for the award of the B. Tech Degree in **ELECTRONICS
AND COMMUNICATION ENGINEERING** Specialization affiliated to JNTU,
HYDERABAD.

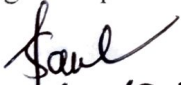
S. VENKATESH (19T81A0443)

E. SHREYA REDDY (19T81A0437)

S. SUPRAJA (19T81A0436)

A. YASHWANTH (19T81A0447)

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Supervisor/Guide



coordinator sign

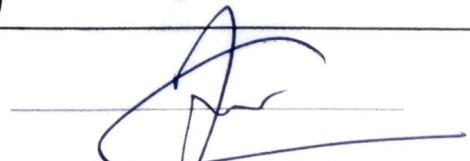


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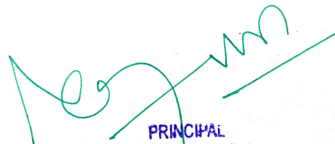
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Internal Examiner



External Examine

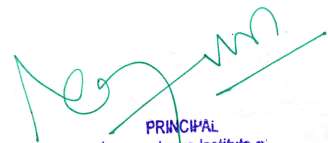


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INTELLIGENT AMBULANCE WITH AUTOMATIC TRAFFIC CONTROL

ABSTRACT:

The Automation for Vehicles is the current trend, the project presented here is one such idea in automating the movements of important vehicle like Ambulance & Fire Fighting Vehicle etc., here the idea is to ease the movement of Ambulance by detecting its proximity to the hospital and displaying the arrival of the same on a display device like LCD. The project also serves as an automated parking tool for the staff vehicles like Doctor's car, Ambulance, Hospital van etc., Here whenever a vehicle equipped with its RFID is detected in a few range, the project automatically identifies the type of the vehicle & depending upon the priority set, activates the automated gate. Here the project also decodes the approaching vehicles code, and based on the information vehicle transmits, takes decision like displaying an emergency alarm.



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**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the Major Project Work entitled

“AUTOMATIC RAILWAY TRACK FAULT

DETECTION AND LOCATION SYSTEM USING ROBOT” is being submitted by following students during academic year 2022-2023 in practical fulfillment of the requirement for the award of the **B. Tech Degree** in

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Specialization affiliated to JNTU, HYDERABAD.

Y. UPENDRA (19T81A0440)
K. AKHILA (19T81A0402)

G.SAI KIRAN (19T81A0434)
UDAY PRASAD TIWARI (19T81A0425)

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Supervisor/Guide

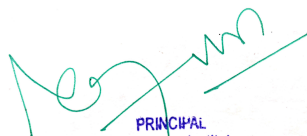

coordinator sign

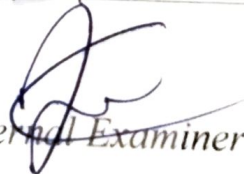

HOD

Mini Project Viva-Voce Exam Held on Dated

28/06/2023


Internal Examiner


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External Examiner

ABSTRACT:

The Transportation of train always depends on railway tracks (rails) only. If there is a crack in these rails, it creates a major problem. Most of the accidents in the train are caused due to cracks in the railway tracks, which cannot be easily identified. Also, it takes more time to rectify this problem. In order to avoid this problem, we are using the crack detector robot, which detects the crack in the rails and gives an alarm. A robot is an apparently human automation, intelligent and obedient but impersonal machine. It is relative, that robots have started to employ a degree of Artificial Intelligence (AI) in their work and many robots required human operators, or precise guidance throughout their missions. Slowly, robots are becoming more and more autonomous. Use of robots gives accurate and correct results compared to human interference. This system involves the design of crack finding robot for finding cracks in railway tracks. System uses controller for interfacing the robotic vehicle and crack detection sensor. The sensing device senses the voltage variations from the crack sensor and then it gives the signal to the microcontroller. The microcontroller checks the voltage variations between measured value and threshold value and controls the robot according to it. The robotic model is interfaced with the microcontroller with the help of SPDT relays and driver IC. If any crack occurs in the rail, the robot will be stopped and then an alarm will be raised. Keywords: Track, Vehicle, Detection, Buzzer, Signal, Control, Network etc.



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DEPARTMENT

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CERTIFICATE


This is certify by Major Project Work entitled "SURVEILLANCE ROBOT CONTROLLED BY USING AN ANDROID APPLICATION" is being submitted by the following student duringthe academic year 2022-2023 in practical fulfillment for the award of the B.Tech Degree in ELECTRONICS AND COMMUNICATION ENGINEERING Specialization affiliated to JNTU, HYDERABAD.

CH.AMULYA	(19T81A0403)	G.VINOD KUMAR REDDY	(19T81A0445)
K.SAI GANESH	(19T81A0433)	K.NEHA REDDY	(19T81A0421)

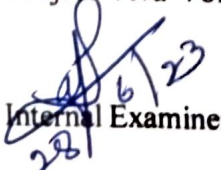
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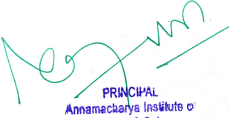

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Coordinator Faculty


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Major Project Viva-Voice Exam Held on Dated 08-06-2023


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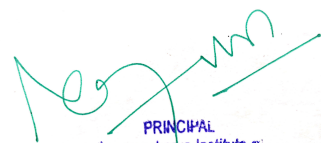

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ABSTRACT

Surveillance Robot controlled using an Android application.

The robotics and automation industry which is ruled the sectors from manufacturing to household entertainments. It is widely used because of its simplicity and ability to modify to meet changes of needs. The project is designed to develop a robotic vehicle using android application for remote operation attached with wireless camera for monitoring purpose. The robot along with camera can wirelessly transmit real time video with night vision capabilities. This is kind of robot can be helpful for spying purpose in war fields. The wifi technology is relatively new as compared to other technologies and there is huge potential of its growth and practical application. The android application loaded on mobile devices, can connect with security system and easy to use GUI. The security system then acts on these command and responds to the user. The CMOS camera and the motion detector are attached with security system for remote surveillance. A robot is a machine capable of carrying out a complex series of actions automatically, especially one programmable by a computer. A robot can be controlled by a human operator, sometimes from a great distance. In such type of applications wireless communication is more important. This paper also shows general idea and design of the robot. Surveillance security robot provides safety like man.



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DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the Major-Project Work entitled

"*TEMPERATURE BASED THERMISTOR DEVICE CONTROL SYSTEM*" is being submitted by following students during academic year 2022-2023 in practical fulfillment of the requirement for the award of the **B. Tech Degree in ELECTRONICS AND COMMUNICATION ENGINEERING**

Specialization affiliated to JNTU, HYDERABAD.

B. AJAY

19T81A0401

K. JYOTHSNA

19T81A0411

A. PRAVINYA

19T81A0427

K. BHANUCHANDER

20T851A0401

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Supervisor/Guide


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^{23/06}
Mini-Project Viva-Voce Exam Held on Date: 28/07/2023


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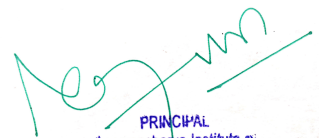
DTMF BASED HOME DEVICES CONTROL SYSTEM

ABSTRACT:

In Mobile Controlled Home Automation using DTMF (GSM), a smart logic control based on embedded systems has been implemented. The DTMF based home automation is controlled by mobile signals. Mobile controlled Home Automation system using DTMF technique is all about controlling a relay using DTMF (GSM) decoder. The relay is controlled from a mobile phone even at a faraway distance by making a call to the Receiver GSM attached to the DTMF decoder in the home automation system. During the course of the call, if any button is pressed, the tone corresponding to the button pressed is heard at the other end. This tone is called "Dual Tone Multi Frequency tone (DTMF)". Using DTMF code, each relay corresponding to a particular code turns ON/OFF. The relay will be attached to a corresponding appliance at home. When each appliance needs to be turned ON, the corresponding relay needs to be ON as well.

Proposed system :

Using the micro controller the project is designed in which the DTMF (GSM) module is connected to the microcontroller. The whole device just runs with total of 12v in which 5v are enough for the MC to process. From user mobile phone need to do a call and press buttons on dial pad. At the receiver section it receives at different frequencies. Based on the design of project particular number is assigned to a device for ON and OFF. The device which we initially made and can be miniaturized in future for real time use.


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**DEPARTMENT OF
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CERTIFICATE

This is to certify that the Major Project Work entitled

“WI-FI HOTSPOT CONTROLLED ROBOT” is being submitted by
following students during academic year 2022-2023 in practical fulfillment of the
requirement for the award of the **B. Tech Degree** in

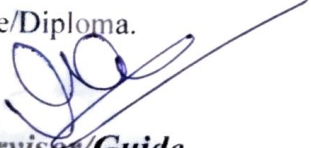
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V.GOUTHAMI (20T85A0402)
D.RENUKA (19T81A0432)

J.BHARATH REDDY (19T81A0405)
A.GOPALA KRISHNA (19T81A0407)


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Supervisor/Guide

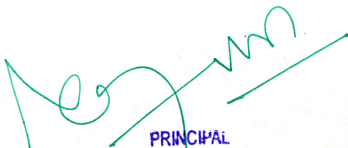

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Mini Project Viva-Voce Exam Held on Dated **28/06/23**


Internal Examiner

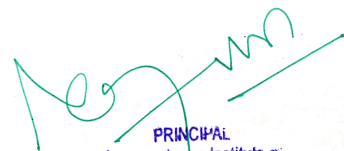

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WIFI HOTSPOT CONTROLLED ROBOT

Abstract:

In this article, a simple-designed mobile robot built up from cost-effective parts is introduced. The mobile robot can be controlled via WiFi wireless hotspot network with the help of a simple application. Due to the cheap and simple design of the robot, it may be a useful developing tool for those, who can not afford themselves a much more expensive robot. Its ESP8266 chip based (manufactured by Espressif Systems) modules are cost-effective tools of performing WiFi wireless control functions, so the control of this robot has been achieved by applying this chip. That such designed device may be a quite useful example in education as well, regarding the fields of informatics and mechatronics, where the programming and applying of the embedded systems can be introduced through practical examples



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is certified by Major-Project Work entitled "FLOOR SANITIZING AND CLEANING ROBOT CONTROLLED USING APP" is being submitted by the following student during the academic year 2022-2023 in practical fulfillment for the award of the **B. Tech** Degree in **ELECTRONICS AND COMMUNICATION ENGINEERING** Specialization affiliated to JNTU, HYDERABAD.

G. SWATHY 19T81A0423 B. RAKESH 19T81A0429 B. MAHESH 19T81A0416
P. VAISHNAVI 20T85A0407 P. JAYA KRISHNA 19T81A0410

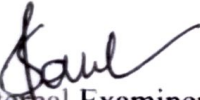
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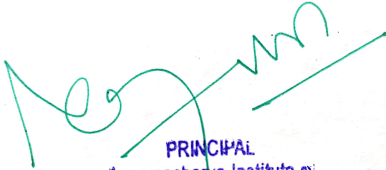

Supervisor/guide



Coordinator Faculty


HOD

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FLOOR SANITIZING AND CLEANER ROBOT CONTROLLED USING APP

Abstract:

We are now living in the 21st century. Now, smart phone has become the most essential thing in our daily life. Android application based smart phones are becoming each time more powerful and equipped with several accessories that are useful for Robots. This project describes how to control a robot using mobile through Bluetooth communication, some features about Bluetooth technology, components of the mobile and robot. We have designed and developed a robotic car with simple architecture by assembling open source hardware, Bluetooth module and advanced sensors. We have also developed an android application running on a smart phone which monitors and controls the operation of the robot via Bluetooth. We present a review of robots controlled by mobile phone via moving the robot upward, backward, left and right side by the android application. We derived simple solutions to provide a framework for building robots with very low cost but with high computation and sensing capabilities provided by the smart phone that is used as a control Robot.

This project is a Bluetooth controlled robot. For this the android mobile user has to install an application on her/his mobile. Then user needs to turn on the Bluetooth in the mobile. The wireless communication techniques used to control the robot is Bluetooth technology. User can use various commands like move forward, reverse, stop move left, move right. These commands are sent from the Android mobile to the Bluetooth receiver. **Android based robot** has bluetooth receiver unit which receives the commands and give it to the microcontroller circuit to control the motors and clean th


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DEPARTMENT OF

**ELECTRONICS AND COMMUNICATION
ENGINEERING**

CERTIFICATE

This is to certify that the MAJOR-Project Work entitled

“SOLDIER TRACKING SYSTEM WITH EMERGENCY ALERT” is being submitted by following students during academic year 2022-2023 in partial fulfillment of the requirement for the award of the **B.Tech Degree in ELECTRONICS AND COMMUNICATION ENGINEERING Specialization affiliated to JNTU, HYDERABAD.**

G.NAGA VINAY	(19T81A0419)
P.SANDHYA RANI	(20T85A0405)
B.RATHNAKAR	(19T81A0431)
G.RADHIKA	(19T81A0428)

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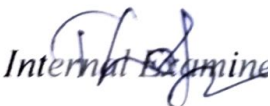

Supervisor/Guide

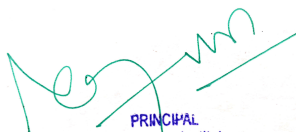

Coordinator sign


HOD

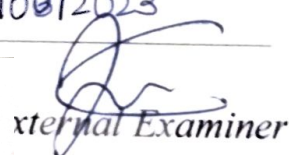
Major-Project Viva-Voce Exam Held on Dated

28/06/2023


Internal Examiner



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Abdulapurmet (M), R.R. Dist. HYD-501 512

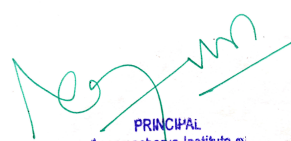

External Examiner

ABSTRACT

In today's era enemy warfare is an important factor in any nation's security. The national security mainly depends on army (ground), navy (sea), air-force (air). The important and vital role is played by the soldiers. There are many concerns regarding the safety of these soldiers. The defense department of country must be effective for the security of that country. This system will be useful for soldiers, who involve in missions or in special operations. This system enables GPS (Globalpositioning systems) tracking of these soldiers. We are going help the soldier in panic condition, as control room people we are able to communicate with them by means of GSM. Thus we are able to help them in panic Condition.

From the control room we can trace the soldier location exactly and accurately by using google maps by sending some command to soldier kit so it automatically trace his location and revert back with an auto reply via SMS. If the soldier faces any problems in the field we are providing an emergency switch so by this soldier can give some information regarding his problems and location through SMS by using GPRS technology.

In our project we have come up with an idea of tracking soldier as well as to give status of the soldier during the war.


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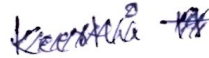
**DEPARTMENT
OF
ELECTRONICS AND COMMUNICATION ENGINEERING**
CERTIFICATE

This is to certify that the Major-Project Work entitled

“STREET LIGHTS FAULT DETECTION WITH INTERNET OF THINGS” is being submitted by following students during academic year 2022-2023 in practical fulfillment of the requirement for the award of the **B. Tech Degree in ELECTRONICS AND COMMUNICATION ENGINEERING Specialization** affiliated to JNTU, HYDERABAD.

N. KEERTHI HARSHITHA

(19T81A0412)



B. KLITHIKA REDDY

(19T81A0413)

B. SHIVA SAI

(19T81A0435)

M.VISHNUVARDHAN REDDY

(19T81A0446)

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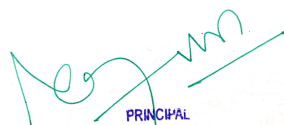

Supervisor/Guide


coordinator sign

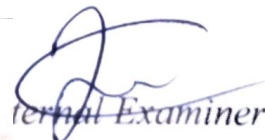

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ABSTRACT

The IoT (Internet of Things) is a blooming technology that mainly concentrates on the interconnection of devices or components to one another and the people. As the time being, many of these connections are changing as —Device – Device| from —Human to Device|. Finding the faulty street light automatically is become a vital milestone by using this technology. The primary goal of the project is to provide control and identification of the damaged street light automatically. The lighting system which targets the energy and automatic operation on economical affordable for the streets and immediate information response about the street light fault. In general, the damage of the street light is observed by getting the complaints from the colony (street) people. Whereas in this proposed work using sensors these lights working status is easily captured without any manual interaction. So that it reduces manual efforts and the delay to fix problems. So, to reduce such problem we come with the solution wherein automatic detection of street light issues i.e.; whether the street light is working or not will be found at night time and it should send the notification to the authorized person if there is a problem in particular streetlight and also know the pole number place where the streetlight is damaged. The street lights are automatically ON/OFF. In this system, it checks whether the street light is ON/ OFF. The LDR sensor will ON/OFF the street lights automatically, based on the condition of the weather.


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CERTIFICATE

This is to certify that the MAJOR-Project Work entitled
“HUMAN DETECTION ROBOT IN RESTRICTED AREAS” is being
submitted by following students during academic year 2022-2023 in partial
fulfillment of the requirement for the award of the B.Tech Degree in
ELECTRONICS AND COMMUNICATION ENGINEERING
Specialization affiliated to JNTU, HYDERABAD.

MITTAPALLY VENKAT	(19T81A0442)
NALLAVELLY SRIVANI	(20T85A0406)
BOREDA MANIKANTH	(19T81A0417)
M PRADEEP KUMAR	(19T81A0424)
PADAMATINTI KEERTHANA	(20T85A0404)

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guidance & supervision. The Result(s) embodied have not been submitted to
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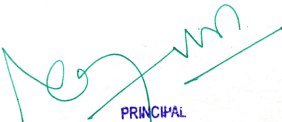

External Examiner

ABSTRACT

The main aim of this embedded application is to design a PC monitoring Robot which can detect live humans and rf transmit the signals wirelessly. It can also be used in war fields and places where disaster has occurred. Human detection is also required in hazardous sectors like boilers, reactors where only authorized person can enter. The live body sensor in this project is a special type of sensor known as PIR sensor. Any alive body with a temperature above absolute temperature emits radiations which are invisible to the normal eye. It senses these passive infrared rays to detect the live human. Human identity is carried out using a Human live detection sensor. The PIR sensor is used to detect the motion in any kind and will inform to micro controller. In this project we are using RF based wireless system for the efficient communication. If the micro controller unit receives the detected signal, it will monitor on pc. The aim of this project is to provide a prototype of practical design to build a simplified version of a Human detection robot which has to be implemented during calamities to find the casualties. Humans can be used for rescuing people in these areas, but due to high risk of earthquakes and building collapses it is not possible to send human rescue teams in these areas. Thus an affordable high technology equipment which makes this risky job quicker and safer is needed for the hour, which has been described in this paper. It is a simple, yet efficient equipment to indicate casualties and help them with immediate access to first aid.

Proposed system:

The main aim of this embedded application is to design a monitoring Robot which can detect live humans and rf transmit the signals wirelessly. It can also be used in war fields and places where disaster has occurred. Human detection is also required in hazardous sectors like boilers, reactors where only authorized person can enter. The live body sensor in this project is a special type of sensor known as PIR sensor. It senses these passive infrared rays to detect the live human. Human identity is carried out using a Human live detection sensor. The PIR sensor is used to detect the motion in any kind and will inform to micro controller. In this project we are using RF based wireless system for the efficient communication.


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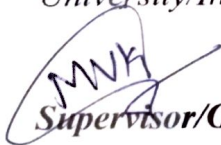
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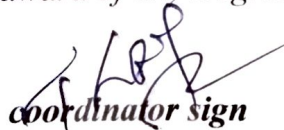
CERTIFICATE

This is to certify that the Major-Project Work entitled
“MEMS BASED VOICE ALERT FOR DEAF AND DUMB” *is being submitted by following students during academic year 2022-2023 in practical fulfillment of the requirement for the award of the **B. Tech Degree in ELECTRONICS AND COMMUNICATION ENGINEERING** Specialization affiliated to JNTU, HYDERABAD.*

G. HARSHITHA	(20T85A0403)
G. RAMA KRISHNA REDDY	(19T81A0430)
N. PRASANNA	(19T81A0426)
G. KRISHNA MOHAN	(19T81A0414)

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28/06/23

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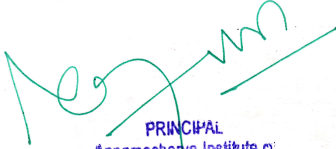

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Abdulapurmet (M), R.R. Dist. HYD-501 512

ABSTRACT

Humans possess the voice capability for interaction and communication among each other. Unfortunately, not everybody has the capability of speaking and hearing. Sign language used among the community of people who cannot speak or hear as the means of communication. Sign language is a gesture representation that involves simultaneously combining hand shapes, orientation and movement of the hands, arms or body, and facial expressions to express fluently with a speaker's thoughts. The people who cannot speak makes use of the sign languages to communicate with other fellow vocally impaired person and even with other normal people who knows the meanings of sign languages or an interpreter is needed to translate the meanings of sign languages to other people who can speak and do not know the meanings of sign languages. However, it is not always possible for an individual to be around all the time to interpret the sign languages.

The main purpose of this paper is to confer the system that converts a given sign used by disabled person into its appropriate textual and audio form using components such as Arduino MEMS. which could be understand by a common person. The person holds the sensor and gives input with it as requirement he needs like water, food emergency and feeling sick etc.



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This is certify by Major Project Work entitled " **VECHILE THEFT DETECTION AND TRACING SYSTEM** " is being submitted by the following student during the academic year 2022-2023 in practical fulfillment for the award of the **B.Tech** Degree in **ELECTRONICS AND COMMUNICATION ENGINEERING** Specialization affiliated to JNTU, HYDERABAD.

G.ARCHANA (19T81A0404)

A.VIKAS KUMAR (19T81A0444)


J.SURESH (19T81A0438)

M.VINDHYA SUBHASINI (20T85A0408)

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Supervisor/guide


Coordinator Faculty

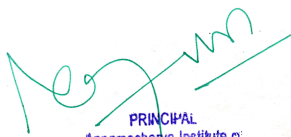

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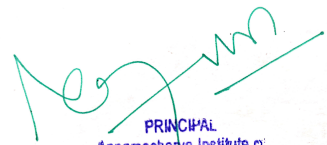

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External examiner


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Abdullapuram (M), R.R. Dist. HYD-501 512

ABSTRACT

The crime rate is currently increasing significantly as a result of how frequent thefts have grown. In particular, these vehicles could suffer sizable losses in comparison to the money invested in them. There are many technologies available to handle this issue, including GPS, GSM, and GPRS systems. The vast majority of modern automobiles are equipped with GSM-based vehicle theft control systems, which prevent thefts even when the vehicles are parked in a parking area. In the modern world, people strive to live sophisticated lives with cutting-edge technologies and first-rate services. Using the mobile network, they can simply track the trucks. This essay provides an example of an automotive security system. We have GPS, a GSM network, and an embedded chip thanks to this technology. The efficient car security system is created for anti-theft using an embedded system with a GPS and a global system of mobile devices (GSM). GSM technology sends the user a text message each time a car is accessed. The client can utilize Google Earth to locate and contact vehicles through this system and converse with them. Via a GSM programme that was developed and installed on a mobile phone implanted in the vehicle, the theft alert function communicates with the car owner's mobile phone. The effectiveness of the system and whether it can be used to track vehicles as they are driven inside or outside of its jurisdiction may be evaluated based on the findings. The system can therefore be used as a database of cars that have been reported as missing, found, or recovered by various security agencies.



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“ADVANCED PARKING SLOT SYSTEM FOR VECHILES USING IOT” is
being submitted by following students during academic year 2022-2023 in
partial fulfillment of the requirement for the award of the **B. Tech Degree** in
ELECTRONICS AND COMMUNICATION ENGINEERING
Specialization affiliated to JNTU, HYDERABAD.

VANGARA GOWTHAM ARYA (19T81A0408)

GANJI MOUNIKA (19T81A0418)

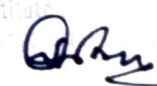
GADDIKOPPULA JAGADEESH KUMAR (19T81A0409)

PRANYA KOTLA (185T1A0424)

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Supervisor/Guide

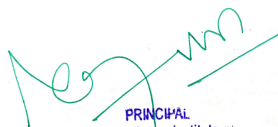

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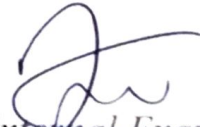
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Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (M), R.R. Dist., HYD-501 512.

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28/06/2023

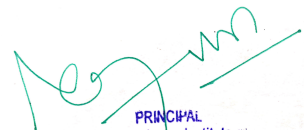

Internal Examiner


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External Examiner

ABSTRACT

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A
MAJOR PROJECT REPORT
ON
" SUN TRACKING SYSTEM FOR SOLAR ENERGY"
A REPORT SUBMITTED
IN PARTIAL FULFILMENT OF THE REQUIRMENT FOR THE AWARD
BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

G. SHIVA KUMAR (19T81A0203)
Y. AKANKSHA (20T85A0201)
Y. MANIKANTA (20T85A0207)
CH. UPENDER RAO (20T85A0218)

UNDER THE ESTEEMED GUIDANCE OF

Mr. V. PRAVEEN KUMAR, M.Tech .

Assistant Professor.



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Piglipur (V), Batasingaram (T),
Andhra Pradesh (M), R.R. Dist. N.

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ANNAMACHRAYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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with 'B' Grade)

Piglipur, batasingaram, hayathnagar (M), Ranga reddy district, Hyderabad – 501512
(2022 - 2023)



**A
MAJOR PROJECT REPORT**

ON

“ RFID AND PASSWORD BASED DOOR LOCK SYSTEM USING ARDUINO ”

A REPORT SUBMITTED

IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

- B. INDU PRIYA (19T81A0202)**
- A. RAKESH (20T85A0210)**
- P. SHIVA (20T85A0214)**
- G. VASANTH (20T85A0219)**

Under the esteemed guidance of

M.LALIYA, M. Tech

Assistant Professor, Dept. Of EEE



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**Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad - 501512
(2022- 2023)**

(15)

**A
MAJOR PROJECT REPORT
ON**

**"SMART AND SECURE SINGLE ATM CARD FOR MULTIPLE
BANK ACCOUNTS"**

**A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF
BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING**

SUBMITTED BY:

J. SWATHI	(Roll No. 19T85A0236)
D. LINGARAJU	(Roll No. 20T85A0205)
B.VIJAY	(Roll No. 20T85A0222)

**Under the esteemed guidance of
D. NARESH, M. Tech
Assistant Professor, Dept. Of EEE**



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Piglipur (V), Batasingaram
Abdullapurmet (M), R.R. Dist. N

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Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad - 501512**

**A
MAJOR PROJECT REPORT**

ON

“SOLAR WIRELESS EV CHARGING SYSTEM”

A REPORT SUBMITTED

IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

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B. RAVITEJA (Roll No. 20T85A0211)

D. UDAY KIRAN (Roll No. 20T85A0217)

S. VENKATESWARA REDDY (Roll No. 20T85A0221)

**Under the esteemed guidance of
UPPU. NARESH KUMAR, M. Tech, IAENG**

Assistant Professor, Dept. Of EEE



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Batas...
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**Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad - 501512
(2022– 2023)**

A
MAJOR PROJECT REPORT
ON
"VEHICLE THEFT DETECTION AND TRACING SYSTEM"
A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF
BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

JADAV ALEKYA	(Roll No.18T81A0201)
MANCHALA ANILA	(Roll No. 18T81A0202)
SRIPADA ASHWINI	(Roll No. 18T81A0203)
ANUMULAPURI BHARATH	(Roll No. 18T81A0204)

Under the esteemed guidance of

Dr. U.NARENDER,
M.Tech, Ph.D, IAENG.

Associate Professor.



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Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad - 501512

(2021–2022)

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A
MAJOR PROJECT REPORT
ON
RAILWAY TRACK FAULT DETECTION AND LOCATION
TRACING SYSTEM USING ROBOT

A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD
OF
BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED

BY:

M.JAGAN	(Roll No. 18T81A0205)
P.RANJITH	(Roll No. 18T81A0206)
V.AJAYKUMAR	(Roll No. 19T85A0201)

Under the esteemed guidance of

MR M CHANDRASEKHAR,

M.Tech + Phd

Assistant Professor



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post.
Andilur, R.R. Dist. Hyderabad 512

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Approved by AICTE, New Delhi & permanently Affiliated to JNTU, Hyderabad
Accredited by NAAC with 'A' Grade)
Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad - 501512
(2021-2022)

A
PROJECT REPORT ON
“Wind-Hydro Microgrid and Its Control for Rural Energy System”

A REPORT SUBMITTED

IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

B.HARRSHA	:-18T85A0208
K.SUDHEER KUMAR	:-18T85A0230
B.SUNIL	:-18T85A0231
D.VAMSHI KRISHNA	:-18T85A0232
S.VENKATESWARA RAO	:-18T85A0233

Under the esteemed guidance of
D.NARESH, M.Tech.

Assistant Professor, Dept. Of EEE



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Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad - 501512
(2020-2021)

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Ardullaourmet (M), R.R. Dist. HYD-20



(9)

A
MAJOR PROJECT REPORT
ON
"REAL TIME ENERGY MONITORING & DATA STORING IN
CLOUDS USING IOT"
A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF
BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

ERRY ARUN REDDY (Roll No. 19T85A0203)
P CHANDRA MANIKANTA (Roll No. 19T85A0204)
DODDIGARLA DILEEP KUMAR (Roll No. 19T85A0205)
BANOTH GANESH (Roll No. 19T85A0206)

Under the esteemed guidance of

MR.M. LALIYA,
M.Tech,
Assistant Professor.



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Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad – 501512.
(2021– 2022)

A

MAJOR PROJECT REPORT

ON

"ENVIRONMENTAL POLLUTION MONITORING SYSTEM
USING INTERNET OF THINGS"

A REPORT SUBMITTED

IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

A. HARISH KUMAR	(Roll No. 19185A0207)
P. LINGASWAMY	(Roll No. 19185A0209)
G. MADHAV GOUD	(Roll No. 19185A0210)
K. MAHESH	(Roll No. 19185A0211)

Under the esteemed guidance of

Mr P. PRANAV KUMAR,
M.Tech.

Assistant Professor,



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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Dist)
Andhra Pradesh (M), R.R. Dist. M.C.

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Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad 501512

(2021 – 2022)



A
MAJOR PROJECT REPORT
ON

ADVANCED FOOTSTEP POWER GENERATION SYSTEM USING REID
FOR CHARGING"

A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

- A. MOUNIKA (Roll No. 19T85A0212)
- T. NAVA KRISHNA (Roll No. 19T85A0213)
- M. NAVEEN (Roll No. 19T85A0214)
- N. NAVYA JYOTHI (Roll No. 19T85A0215)

Under the esteemed guidance of

Dr.U. NARENDER
M.Tech, Ph.D,IAENG

Associate Professor,



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 Technology & Sciences
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 Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad - 501512

(2021– 2022)

A
MAJOR PROJECT REPORT ON
"PREPAID ENERGY METER WITH AUTO CUT OFF SYSTEM"
A REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD
OF
BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

NIKHIL VANAMALA	(Roll No. 19T85A0216)
PRASHANTHB	(Roll No. 19T85A0217)
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PRIYANKA VADLAKONDA	(Roll No. 19T85A0219)

Under the esteemed guidance of

MR.D.NARESH,
M.Tech,

Assistant Professor,



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES**

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(2021- 2022)

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andhulapurmet (M), R.R. Dist. HYDRABAD

**A
MAJOR PROJECT REPORT
ON
“AUTOMATIC SOLAR IRRIGATION SYSTEM USING SOLAR
ENERGY WITH GSM”**

A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF
BACHELOR OF TECHNOLOGY
IN

ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

- | | |
|------------------|-----------------------|
| M.RAJESHWAR GOUD | (Roll No. 19T85A0221) |
| JAKKA RAKESH | (Roll No. 19T85A0223) |
| M.RAMESHWARI | (Roll No. 19T85A0224) |

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M.Tech.

Assistant Professor ,



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES**

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Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad - 501512
(2021– 2022)

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Technology & Sciences
Piglipur (V), Batasingaram (Post)

R.R. Dist. HYD-501512

13

A
MAJOR PROJECT REPORT
ON
"UNDERGROUND CABLE FAULT DETECTION
USING GSM"

A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF
BACHELOR OF TECHNOLOGY

IN
ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

B. RAVI KUMAR	Roll No. 19T85A0225
R. ROHITH CHARY	Roll No. 19T85A0226
T.SAI DEEPAK	Roll No. 19T85A0227
CH.SAI GANESH	Roll No. 19T85A0228

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Dr. U. NARENDER,
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Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad – 501512.
(2021– 2022)

A
MAJOR PROJECT REPORT
ON
“AUTO INTENSITY CONTROL OF STREET LIGHTS WITH
VEHICLE MOMENT DETECTION”
 A REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
 THE AWARD
 OF
BACHELOR OF TECHNOLOGY
 IN
ELECTRICAL AND ELECTRONICS ENGINEERING

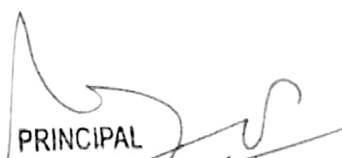
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Under the esteemed guidance of

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 M.Tech.
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(2021– 2022)

15

**A
MAJOR PROJECT
ON
"AUTO CUTOFF OF LOADS WITH HIGH VOLATGE DETECTION
USING GSM"**

**A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF
BACHELOR OF TECHNOLOGY**

**IN
ELECTRICAL AND ELECTRONICS ENGINEERING**

SUBMITTED

BY:

BONTHALA SRAVAN	(Roll No. 19T85A0234)
KAVALI SURESH	(Roll No. 19T85A0235)
SHELOJU SWETHARANI	(Roll No. 19T85A0237)
A.THARUN KUMAR GOUD	(Roll No. 19T85A0238)

Under the esteemed guidance of

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M.Tech

Assistant Professor,



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(2021-2022)

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Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512



**A
MAJOR PROJECT REPORT
ON
"ID AUTHENTICATION FOR SECURITY SYSTEM USING RFID
AND GSM TECHNOLOGY"**

A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

M. THIRUMALESH	(Roll No. 19T85A0239)
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CH. VAMSHI KRISHNA	(Roll No. 19T85A0243)

Under the esteemed guidance of

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M. Tech. (Ph.D)

Assistant Professor



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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(2021-2022)

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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andhulapurmet (M), R.R. Dist. HYD-501 512

(A7)

**A
MAJOR PROJECT
ON
EMBEDDED SYSTEM BASED VEHICLE SPEED CONTROL SYSTEM
USING WIRELESS RF TECHNOLOGY**

A REPORT SUBMITTED
IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF
BACHELOR OF TECHNOLOGY

IN
ELECTRICAL AND ELECTRONICS ENGINEERING
SUBMITTED
BY

B VENKANNA	(Roll No. 19T85A0244)
K VENKATA KRISHNA	(Roll No. 19T85A0245)
P VENKATESH	(Roll No. 19T85A0246)
CH YASHWANTH GOUD	(Roll No. 19T85A0248)

Under the esteemed guidance of

Mr.M.LALIYA,
MTech.
Assistant Professor,



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES**

(Approved by AICTE, New Delhi & permanently Affiliated to JNTU, Hyderabad
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Piglipur, Batasingaram, Hayat Nagar (M), Ranga Reddy District, Hyderabad-501512
(2021-2022)

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andulapurnet (M), R.R. Dist. HYD-501 512

**A
MAJOR PROJECT**

ON

"AUTOMATIC SOLAR TRACKING AND CLEANING SYSTEM"

A REPORT SUBMITTED

IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

SUBMITTED BY:

- B YELLAREDDY (Roll No. 19T85A0249)
- K GOPI (Roll No. 18T85A0207)
- G SHASHIRAJA VARDANREDDY (Roll No. 18T85A0226)
- J VISHWANATHAM (Roll No. 18T85A0236)

Under the esteemed guidance of

Dr.U.NARENDER

M.Tech,PH.D,IAENG

Associate Professor.



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES**

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Piglipur, Batasingaram, Hayathnagar (M), Ranga Reddy District, Hyderabad - 501512

(2021-2022)

[Handwritten Signature]

PRINCIPAL
Annamacharya Institute
Technology & Sciences
Piglipur (V), Batasingaram
Andullapurmet (M), R.R. Dist. n...

^

PROJECT REPORT
ON
DESIGN OF BLUETOOTH BASED DIGITAL NOTICE BOARD

A Thesis

Submitted in partial fulfillment of the requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

- | | |
|----------------------------------|---------------------|
| P. VAMSHI KRISHNA | I20P81A0206I |
| MOHAMMED SHIREEN TABASSUM | I20P81A0205I |
| ASMEERA PREM KUMAR | I20P81A0202I |
| VENULA AJAY | I21P85A0201I |

Under the esteemed guidance of

Mr. U.NARENDER M.Tech., Ph.D.

Assistant Professor EEE Dept



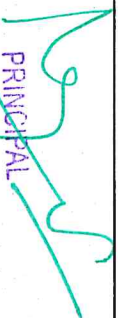
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Approved by AICTE & affiliated to JNTU, Hyderabad)
Piglipur Batasingaram Hayathnagar (Mandal) Ranga Reddy District
Hyderabad - 501 512

2023 - 2024

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Andulgarmet (M) R.R. Dist. HYD 501 512

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
DEPARTMENT OF BUSINESS ADMINISTRATION
LIST OF PROJECT WORKS - 2022-23

S.No	Hall Ticket No	Name of the Student	Project Title
1	21T81E0001	D.AJAYKUMAR	A STUDY ON CEDIT SCHEMES AT HDFC BANK LTD
2	21T81E0002	KADAKNCHI ANUSHA	A STUDY ON WOMEN IN CORPORATE WORLD AT MEGASOFT
3	21T81E0003	ARCHANA	A STUDY ON TRAINING AND DEVELOPMENT AT MAHINDRA & MAHINDRA
4	21T81E0009	T. HARIJEEVAN	A STUDY ON JOB SATISFACTION AT VISAKHAPATNAM STEEL PLANT
5	21T81E0010	K.INDIRA	A STUDY ON BUDGETARY CONTROL AT HDFC BANK LTD.
6	21T81E0011	B.JERUSHA	A STUDY ON INVENTORY MANAGEMENT AT COCA COLA
7	21T81E0012	G.LAXMI	A STUDY ON MUTUAL FUNDS AT KOTAK MAHINDRA BANK
8	21T81E0014	K.MALLESWARI	A STUDY ON E-BANKING SERVICES AT AXIS BANK
9	21T81E0015	D.MANASA	A STUDY ON ONLINE TRADING DERIVATIVES AT INDIA BULLS
10	21T81E0016	N.MEGHANA	A STUDY ON TEAM WORK AT BAJAJ AUTO
11	21T81E0018	D.MOUNIKA	A STUDY ON MICRO FINANCE AT ICICI PRUDENTIAL
12	21T81E0021	K.NARASIMHULU	A STUDY ON PAYROLL MANAGEMENT SYSTEM AT ICICI BANK
13	21T81E0022	DEVIREDDY PAVANI	A STUDY ON WORKERS PARTICIPATION IN MANAGEMENT AT KESORAM CEMENTS
14	21T81E0023	A.NIKHITHA	A STUDY ON QUALITY OF WORK LIFE AT KESORAM CEMENTS
15	21T81E0024	GUNDALA PRAVEEN	A STUDY ON MOTIVATION OF THE EMPLOYEES AT EDLOGIX SOFTWARE SOLUTIONS
16	21T81E0025	MALLOJU PRIYANKA	A STUDY ON CASH MANAGEMENT AT ULTRATECH CEMENTS
17	21T81E0027	J.SAIRAM	A STUDY ON FUNDS FLOW STATEMENT AT ASIAN PAINTS
18	21T81E0028	PAMBALA SHIRISHA	A STUDY ON INVENTORY MANAGEMENT AT ULTRATECH CEMENTS
19	21T81E0029	G.SHRIVANI	A STUDY ON STRESS MANAGEMENT AT TATA MOTORS
20	21T81E0030	CHIKKA SINDHUJA	A STUDY ON LIFE INSURANCE AT KOTAK LIFE INSURANCE
21	21T81E0031	VARUGU SIRESHA	A STUDY ON NON PERFORMING ASSETS AT HDFC BANK
22	21T81E0032	J.SOWJANYA	A STUDY ON ATTRITION LEVEL AT BSNL
23	21T81E0034	V.SREYA	A STUDY ON RECRUITMENT AND SELECTION AT HDFC STANDARD LIFE INSURANCE
24	21T81E0035	P.SRI LAKSHMI	A STUDY ON CASH MANAGEMENT AT VISAKHA INDUSTRIED PVT LTD
25	21T81E0037	PURMA SRILEKHA	A STUDY ON IMPACT ON INDIAN STOCK MARKET AT NET WORTH STOCK BROKING LTD
26	21T81E0038	SRUTHI	A STUDY ON FIXED ASSETS MANAGEMENT AT BAJAJ ELECTRICALS LTD
27	21T81E0039	M.SWARNALATHA	A STUDY ON COST ANALYSIS AND CONTROL AT SAGAR CEMENTS
28	21T81E0040	K.SWATHI	A STUDY ON FINANCIAL FORECASTING AND PLANNING AT INDIAN CEMENTS
29	21T81E0041	M.SWATHI	A STUDY ON EMPLOYEE RELATIONS AT CAPITAL IQ
30	21T81E0042	P.SWATHI	A STUDY ON QUALITY OF WORK LIFE AT VIRINCHI TECHNOLOGIES
31	21T81E0043	M.VIJAYALAXMI	A STUDY ON BUDGET AND BUDGETORY CONTROL AT HERITAGE FOODS LTD

PRINCIPAL


**Annamacharya Institute of
 Technology & Sciences**
 Pijilpur (V), Batasingaram (Post)
 Andulapurmet (M), R.R. Dist. HYD-501 512.

MEMORANDUM OF UNDERSTANDING

This Memorandum of Under standings between:

CAMPUS GURU TECHNOLOGIES

(Here after called the First Party)

And

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

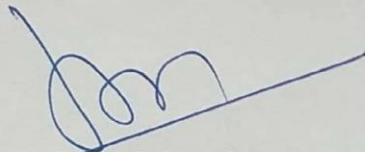
(Here after called the Second Party)

1. This MOU will enable:

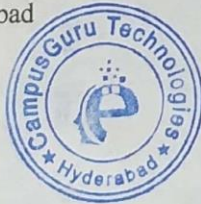
Student of DEPARTMENT OF BUSINESS ADMINISTRATION OF ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES to have the opportunity to under take Industry Training/Internship/Projects for MBA II year II semester with the help of the above company.

2. This agreement shall start from **June 2018** and shall be in force for upto **June 2024**.

Signed by



Dr. Mahesh Chandra
Chief Mentor
Campus Guru Technologies
Hyderabad



Dr. P. V. Krishna Murthy
Principal
Annamacharya Institute of
Technology and Sciences, Hyderabad

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Bataasingerem (Post)
Abdullapurmet (M), R.R. Dist. MYD-501 502

Schedule of Responsibilities for First Party and Second Party

The collaborative programme between ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, HYDERABAD and CAMPUS GURU TECHNOLOGIES, HYDERABAD shall be coordinated by Mutual understanding. Financial arrangements for each specific collaboration will be decided on a case to case basis and brought on record in each case after due approval from the heads of both the organizations.

This MOU shall be effective from the date of its approval by competent authorities at the both ends. The duration of the MOU shall be for a period of 5 years from the effective date. During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students who have been admitted to be benefited under the MOU. Any clause or article of the MOU may be modified or amended by mutual agreement of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES – HYDERABAD and CAMPUS GURU TECHNOLOGIES, HYDERABAD.

IN WITNESS WHERE OF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

Dr. Mahesh Chandra
For **CAMPUS GURU TECHNOLOGIES**



Dr. P.V. KrishnaMurthy
For ANNAMACHARYA INSTITUTE
OF TECHNOLOGY AND SCIENCES

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
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Abdullapurmet (M), R.R. Dist. HYD-50¹ 582

A
STUDY ON
CREDIT SCHEMES
AT
HDFC BANK LTD

**Project submitted in partial fulfillment of requirement for the award of the
degree Of**

MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
B. AJAY KUMAR
(H.NO: 21T81E0001)

Under the Guidance of
Mrs. K. SWAPNA

M. Com MBA

Asst. Prof.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE


This is certify that project report entitled "CREDIT SCHEMES" done at "HDFC BANK LTD" submitted by **B. AJAY KUMAR**, bearing the Roll No: **21T81E0001**, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE

Mrs. K. SWAPNA

M. Com MBA

Assistant Professor


HEAD OF DEPARTMENT
Dr. K.V.L. MANASA
Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor


EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

Certificate of Project Completion

This is to certify that **Mr. B. AJAY KUMAR**, bearing Hall ticket no: **21T81E0001**, **MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), has successfully completed his Project on "**CREDIT SCHEMES**", as part of the Academic course circular in our organization.

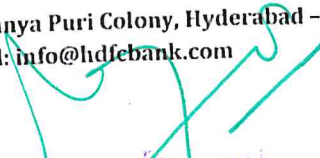
He has done the project during the period 45 days, under the guidance of **Ms. K.SUMA**, Asst. Manager. in **HDFC BANK LIMITED**, Hyderabad.

He has completed the assigned project well within the time frame. He is sincere, hard working and his conduct during the period is commendable.

HDFC Bank Limited.


Authorized Signatory

#-11-19/8/2/A & B, Chaitanya Chamber, Shop #2-41, Chaitanya Puri Colony, Hyderabad - 500036,
040 24055078 www.hdfcbank.com; E-mail: info@hdfcbank.com


Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

A
STUDY ON
WOMEN IN CORPORATE WORLD
AT
MEGASOFT

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
KADAKANCHI ANUSHA
(H.NO: 21T81E0002)

Under the Guidance of
Mr. P.L.S.P.RAJARAO

MBA

Assot. Prof.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY, HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.



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Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "WOMEN IN CORPORATE WORLD" done at "MEGASOFT" submitted by KADAKANCHI ANUSHA, bearing the Roll No: 21T81E0002, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE

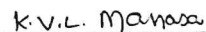
Mr. P.L.S.P. RAJARAO,

MBA.

Associate Professor




HEAD OF DEPARTMENT


Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor


EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD 501 512



TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. KADAKANCHI ANUSHA**, (H.T. No.: **21T81E0002**), a student of M.B.A. of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has done her project work on the subject name of "**WOMEN IN CORPORATE WORLD**".

She has done the project during the period of 45 days, under the guidance of **Mr. PAVAN KUMAR**, Asst. Manager, in **MEGASOFT LIMITED**, Hyderabad.

During the period of her project work with us, we found her conduct and character are Good.

We wish good luck and all the best in her Career.


(PAVAN KUMAR)
Asst. Manager HR



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501512.

Megasoft Limited, Block 'A' Wing 1, Level 5 & 6, Cyber Gateway, Madhapur, Hyderabad – 500081

Mobile: 9849 4022 0000 Fax: +91 40 4012 2555 Email: contact@megasoft.com

A
STUDY ON
TRAINING AND DEVELOPMENT
AT
MAHINDRA & MAHINDRA

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
ARCHANA
(H.NO: 21T81E0003)

Under the Guidance of
Mr. P.L.S.P.RAJARAO

MBA

Assot. Prof.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY, HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

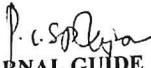



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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "TRAINING AND DEVELOPMENT" done at "MAHINDRA & MAHINDRA" submitted by ARCHANA, bearing the Roll No: 21T81E0003, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE
Mr. P.L.S.P. RAJARAO,
MBA.
Associate Professor


HEAD OF DEPARTMENT
Dr. K.V.L. Manasa
~~Dr. KATTAMURI SATISH,~~
MBA, Ph. D
Assistant Professor


EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Ardullapurmet (M), R.R. Dist. HYD-501 512.



TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. ARCHANA**, bearing Hall ticket no: **21T81E0003**, **MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has successfully completed her project on "**TRAINING AND DEVELOPMENT**" as part of the Academic course circular in our organization.

She has done the project during the period of 45 days, under the guidance of **Mr. G. CHAND**, Asst. Manager, in **MAHINDRA & MAHINDRA**, Hyderabad.

She has completed the assigned project well within the time frame. She is sincere, hard working and her conduct during the period is commendable.

We wish all the best in her future endeavors.



PRINCIPAL

MAHINDRA AUTOMOTIVE

No. 1-12-75, Big Bazar Lane, beside Andhra Bank, road, L.B Nagar, Ph : 040 2493 0099, Email: info@mahindra.co.in

**Annacharya Institute of
Technology & Sciences**
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

A
STUDY ON
JOB SATISFACTION
AT

VISAKHAPATNAM STEEL PLANT

Project submitted in partial fulfillment of requirement for the award of the
degree of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY

T. HARIJEEVAN

(H.NO: 21TSE0009)

Under the Guidance of
Mr. P.L.S.P.RAJARAO

MBA

Assot. Prof.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY, HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
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Abdullapurmei (M), R.R. Dist. HYD-501 512.



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Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “**JOB SATISFACTION**” done at “**VISAKHPATNAM STEEL PLANT**” submitted by **T. HARIJEEVAN**, bearing the Roll No: **21T8E0009**, for the award of “**MASTER OF BUSINESS ADMINISTRATION**” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

P.L.S.P.Rajarao
INTERNAL GUIDE
Mr. P.L.S.P.RAJARAO,
MBA.
Associate Professor

Manasa
HEAD OF DEPARTMENT
K.V.L Manasa
Dr. ~~KATTAMURI SATISH~~,
MBA, Ph. D
Assistant Professor

Devi
EXTERNAL EXAMINER

[Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.


TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. T. HARIJEEVAN** , Hall Ticket No: **21T8E0009**, MBA Final year from **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has successfully completed his project work on **“JOB SATISFACTION”** with special reference **“VISAKHAPATNAM STEEL PLANT (RINL).”**

During the project duration period of 45 days.

He has shown keen interest in learning the concepts of the project and worked hard towards its completion.

We wish him all the best in his future endeavors.


(**Mr. N. VEEN KUMAR**)
Manager – (FINANCE)


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

A
STUDY ON
BUDGETARY CONTROL
AT
HDFC BANK LTD

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD


BY
K. INDIRA
(H.NO: 21T81E0010)

Under the Guidance of
Mrs. K. SWAPNA

M. Com MBA

Asst. Prof.




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)



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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “**BUDGETARY CONTROL**” done at “**HDFC BANK LTD**” submitted by **K. INDIRA**, bearing the **Roll No: 21T81E0010**, for the award of “**MASTER OF BUSINESS ADMINISTRATION**” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mrs. K. SWAPNA

M. Com MBA

Assistant Professor

HEAD OF DEPARTMENT

Dr. K.V.L. MANASA
~~**Dr. KATTAMURI SATISH**~~

MBA, Ph. D

Assistant Professor

EXTERNAL EXAMINER

PRINCIPAL

**Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.**

Certificate of Project Completion

This is to certify that **Ms. K. INDIRA**, bearing Hall ticket no: **21T81E0010**, **MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), has successfully completed her project on **"BUDGETARY CONTROL"** as part of the Academic course circular in our organization.

She has done the project during the period of 45 days under the guidance of **Ms. K.SUMA**, in **HDFC BANK LTD**, Hyderabad.

HDFC Bank Ltd,



Authorized Signatory



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-50 : 512

A
STUDY ON
INVENTORY MANAGEMENT
AT
COCA COLA

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
B. JERUSHA
(H.NO: 21T81E0011)

Under the Guidance of
Mrs. K. SWAPNA

M. Com MBA

Asst. Prof.



Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Addilapurmet (M), R.R. Dist, HYD 501512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY, HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)





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Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "INVENTORY MANAGEMENT" done at "COCA COLA" submitted by B. JERUSHA, bearing the Roll No: 21T81E0011, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mrs. K. SWAPNA

M. Com MBA

Assistant Professor

HEAD OF DEPARTMENT

Dr. K.V.L. Manasa
Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor

EXTERNAL EXAMINER

(C.D. Srisailem)

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Ardullapurmet (M), R.R. Dist. HYD-501 512.



Hindustan Coca-Cola Beverages Private Ltd

Address: 44-69, Moula Ali Road, Moula Ali, Secunderabad, 500040

Phone: 040 2724 2929


Certificate of Project Completion

This is certified that **Ms. B. JERUSHA**, with **Regd. No:- 21T81E0011**, is the Bonafide student of department of Management, **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), has successfully completed her project entitled "**INVENTORY MANAGEMENT**" in and under the external guidance **Mr. VISHNU SADAN**, Branch Manager, **Hindustan Coca-Cola Beverages Private Ltd**, Hyderabad.

Her performance during the project period was good.

The project was developed during the period of 45 days, and under the live knowledge at **Hindustan Coca-Cola Beverages Private Ltd**, Hyderabad.

For Hindustan Coca-Cola Beverages Private Ltd.



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

A
STUDY ON
MUTUAL FUNDS
AT
KOTAK MAHINDRA BANK

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
G. LAXMI
(H.NO: 21T81E0012)

Under the Guidance of
Mrs. K. SWAPNA

M. Com MBA

Asst. Prof.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)

PRINCIPAL
Annamacharya Institute of
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Abdullapurmet (M), R.R. Dist. HYD-501 512.



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Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "MUTUAL FUNDS" done at "KOTAK MAHINDRA BANK" submitted by G. LAXMI, bearing the Roll No: 21T81E0012, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE

Mrs. K. SWAPNA

M. Com MBA

Assistant Professor


HEAD OF DEPARTMENT


K.V.L. Manasa
Dr. ~~KATTAMURI SATISH~~,

MBA, Ph. D

Assistant Professor


EXTERNAL EXAMINER

(C.D. Srisailem)


Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

CERTIFICATE

This is to certify that the project entitled "**MUTUAL FUNDS**" submitted by **Ms. G. LAXMI** (Roll No.: **21T81E0012**), in partial fulfillment for the award of the degree of **MBA** from **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), is a bonafide work carried out by her in **KOTAK**, Hyderabad, during the period of 45 days, under our guidance and supervision.

She has completed the assigned project as per requirement within the time frame, her performance during the period was found to be excellent.

We wish all the best in her future endeavors.

For Kotak Mahindra Bank,



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

Project Incharge



Asst. Manager Finance.

A
STUDY ON
E-BANKING SERVICES
AT
AXIS BANK

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

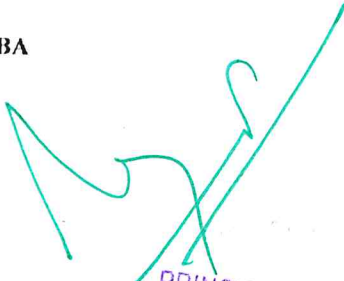
BY
K. MALLESHWARI
(H.NO: 21T81E0014)

Under the Guidance of
Mrs. P. BHARGAVI

Asst. Prof.



MBA


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Fest)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)



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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "E-BANKING SERVICES" done at "AXIS BANK" submitted by **K. MALLESHWARI**, bearing the **Roll No: 21T81E0014**, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mrs. P. BHARGAVI,

MBA.

Assistant Professor

HEAD OF DEPARTMENT

K.V.L. Manasa.

Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor

EXTERNAL EXAMINER

(D. Sriram)

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. K. MALLESHWARI**, bearing Hall ticket no: **21T81E0014**, **MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has successfully completed her project on "**E-BANKING SERVICES**" as part of the Academic course circular in our organization.

She has done the project during the period of 45 days, under the guidance of **Mr. KIRAN KUMAR**, Asst. Manager, in **AXIS BANK**, Hyderabad.

We wish all the best in her future endeavors.

Thanking You,

Thanking You,



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (M), Batasingaram (Post)
Addullapurmet (M), R.R. Dist. HYD-501 512.

A
STUDY ON
ONLINE TRADING DERIVATIVES
AT
INDIABULLS

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

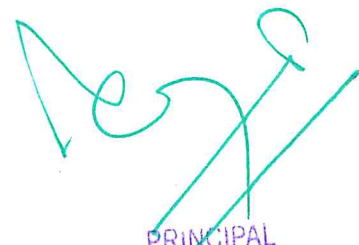
BY
D. MANASA
(H.NO: 21T81E0015)

Under the Guidance of
Mrs. P. BHARGAVI

MBA

Asst. Prof.




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Addalapurmet (M), B.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)



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Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE


This is certify that project report entitled "ONLINE TRADING DERIVATIVES" done at "INDIABULLS" submitted by D. MANASA, bearing the Roll No: 21T81E0015, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE

 Mrs. P. BHARGAVI,

MBA.

Assistant Professor



HEAD OF DEPARTMENT
K. U. L. Manada.
Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor


EXTERNAL EXAMINER

(D. Srisailem)


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Doddalapurmet (M), R.R. Dist. HYD-501 512.

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. D. MANASA**, (H.T. No.: 21T81E0015), a student of MBA, of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has done her project work on the subject name of **"ONLINE TRADING DERIVATIVES"** of our organization of 45 days, At Hyderabad.

During the period of project work with us, we found her conduct and character are Good.



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
For Indiabulls Securities Limited.
Piglipur (V), Batasingaram (Post)
Ardullapurmet (M), R.R. Dist. HYD-501 512.



A
STUDY ON
TEAM WORK
AT
BAJAJ AUTO

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
N. MEGHANA
(H.NO: 21T81E0016)

Under the Guidance of
Mr. P.L.S.P.RAJARAO

MBA

Assot. Prof.



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andulapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No -91 88415-281689

Fax No -91 88415-281688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R R Dist. HYD-501 512

CERTIFICATE

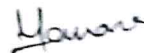
This is certify that project report entitled "TEAM WORK" done at "BAJAJ AUTO" submitted by N. MEGHANA, bearing the Roll No: 21T81E0016, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE

Mr. P.L.S.P.RAJARAO,

MBA.

Associate Professor


HEAD OF DEPARTMENT
K. V. L. Manada
~~DR. K. V. L. MANADA~~

MBA, Ph. D

Assistant Professor


EXTERNAL EXAMINER

(D. Sai Srilam)


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.



TO WHOM SO EVER IT MAY CONCERN


This is to certify that **Ms. N. MEGHANA**, bearing Hall ticket no: **21T81E0016**, **MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has successfully completed her project on "**TEAM WORK**" as part of the Academic course circular in our organization.

She has done the project during the period of 45 days, under the guidance of **Mr. MAHESH**, Manager, in **BAJAJ AUTO**, Hyderabad.

She has completed the assigned project well within the time frame. She is sincere, hard working and her conduct during the period is commendable.

We wish all the best in her future endeavors.




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Addullapurmet (M), R.R. Dist. HYD-501 512.

Address: 2-26/2, Hydernagar, Kukatpally, Near J N T U, Kukatpally, Hyderabad,
Telangana 500072. Phone: 040 2305 8040

A
STUDY ON
MICRO FINANCE
AT
ICICI PRUDENTIAL

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
D. MOUNIKA
(H.NO: 21T81E0018)

Under the Guidance of
Mrs. P. BHARGAVI

Asst. Prof.



MBA

Mrs. P. Bhargavi
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Acdullapur (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No :+91 08415-201689

Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “MICRO FINANCE” done at “ICICI PRUDENTIAL” submitted by **D. MOUNIKA**, bearing the Roll No: **21T81E0018**, for the award of “MASTER OF BUSINESS ADMINISTRATION” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mrs. P. BHARGAVI,

MBA.

Assistant Professor

HEAD OF DEPARTMENT

Dr. K.V.L. Manasa

Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor

PRINCIPAL

**Annamacharya Institute of
Technology & Sciences**

Piglipur (V), Batasingaram (Post)

Abdullapurmet (M), R.R. Dist. HYD-501 512.

EXTERNAL EXAMINER

CERTIFICATE

This is to certify that the project entitled "**MICRO FINANCE**" submitted by **Ms. D. MOUNIKA**, (Roll No.: **21T81E0018**), in partial fulfillment for the award of the degree of **MBA** from **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), is a bonafide work carried out by her in **ICICI PRUDENTIAL**, Hyderabad, period of 45 days, under our guidance and supervision.

She has completed the assigned project as per requirement within the time frame, Her performance during the period work was found to be excellent.

We wish all the best in her future endeavors.

ICICI Prudential Life Insurance.


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), B.T. Road, HYD-501 512.
Project Incharge

HEMACHANDRA
Asst. Manager Finance.

A
STUDY ON
PAY ROLL MANAGEMENT SYSTEM
AT
ICICI BANK

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
K. NARASIMHULU
(H.NO: 21T81E0021)

Under the Guidance of
Dr. K. V. L. MANASA

MBA, Ph.D



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY, HYDERABAD)
Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)

[Handwritten signature in blue ink]
Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andhra Pradesh, R.R. Dist. HYD-501 512





Phone No. -08 8641 20409
Fax No. -08 86415-20408


ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES


... ..
... ..

CERTIFICATE

This is to certify that project report entitled "R&D ROLE MANAGEMENT SYSTEM" done at "DCICI BANK" submitted by K. VARASDHILLU, bearing the Roll No: 27880022, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawahar's North Technological University, Hyderabad is a record of independent project work undertaken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.



INTERNAL GUIDE
Dr. K. V. L. MANASA
MBA, Ph.D.


HEAD OF DEPARTMENT
Dr. K. V. L. MANASA
MBA, Ph.D.
Assistant Professor


EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

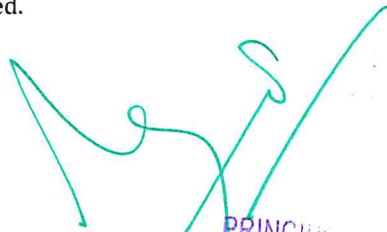
CERTIFICATE

This is to certify that the project entitled "PAY ROLL MANAGEMENT SYSTEM" submitted by Mr. K. NARASIMHULU (Roll No.: 21T81E0021), in partial fulfillment for the award of the degree of MBA from ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, Piglipur, Batasingaram, Hayath Nagar(M), is a bonafide work carried out by him in ICICI BANK LIMITED, Hyderabad, during the period of 45 days, under our guidance and supervision.

He has completed the assigned project as per requirement within the time frame, his performance during the period work was found to be excellent.

We wish all the best in his future endeavors.

ICICI Bank Limited.



Project Incharge



PRINCIPAL
Annamacharya Institute
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.
Authorized Signatory.

A
STUDY ON
WORKERS PARTICIPATION IN MANAGEMENT
AT
KESORAM CEMENT

Project submitted in partial fulfillment of requirement for the award of the degree

Of

MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY

DEVIREDDY PAVANI

(H.NO: 20T81E0022)

Under the Guidance of

Mr. P.L.S.P RAJA RAO

Associate Prof



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY, HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist. Telangana, 501512

(2020-2022)

Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.



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Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “**WORKERS PARTICIPATION IN MANAGEMENT**” done at “**KESORAM CEMENT**” submitted by **DEVIREDDY PAVANI** bearing the Roll No: **20T81E0022**, for the award of “**MASTER OF BUSINESS ADMINISTRATION**” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by her, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mr. P.L S..P RAJA RAO

Associate Prof

HEAD OF DEPARTMENT

Mrs. K. SWAPNA

INCHARGE

EXTERNAL EXAMINER


Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.



Kesoram Cement

Prop. Kesoram Industries Limited



Factory Post Basanthnagar - 505 187 Kanmnagar Dist
Phone : (STD) 08728-228152 Fax : 08728-228160 E-mail : kesoramcement.com (or) kaa_kesoram3@sanchamnet.in

FM/PERS-III

CERTIFICATE OF COMPLETION LETTER

This is to certify that Ms. DEVIREDDY PAVANI, (H.T. No.: 20T81E0022), a student of M.B.A, (H.R.) of ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, Piglipur, Batasingaram, Hayath Nagar, has done her project work on the subject name of "WORKERS PARTICIPATION IN MANAGEMENT" of our organization Period of 45 days, At Hyderabad.

During the period of her project work with us, we found her conduct and character are Good.

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram,
Abdullapurmel (M), R.R. Dist. HYD-501 512

For Kesoram Cement,

For Kesoram Inds. Ltd.

KESHURAM REDDY
Asst. Gen. Manager (IR & IIR).

A
STUDY ON
QUALITY OF WORK LIFE
AT
KESORAM CEMENT

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)


JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
A. NIKHITHA
(H.NO: 21T81E0023)

Under the Guidance of
Dr. K. V. L. MANASA

MBA, Ph.D




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No :+91 08415-201689

Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "QUALITY OF WORK LIFE" done at "KESORAM CEMENT" submitted by A. NIKHITHA, bearing the Roll No: 21T81E0023, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

Manasa
INTERNAL GUIDE
Dr. K. V. L. MANASA,
MBA ,Ph.D.

Manasa
HEAD OF DEPARTMENT
K. V. L. Manasa.
Dr. KATTAMURI SATISH,
MBA, Ph. D
Assistant Professor

mm
20/8/23
EXTERNAL EXAMINER

[Signature]
Professor
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.



Kesoram Cement

Prop. Kesoram Industries Limited



B.K. BIRLA GROUP OF COMPANIES

Factory Post Basanthnagar - 505 187, Karimnagar Dist

Phone : (STD) 08728-228152 Fax : 08728-228160 E-mail : kesoramcement.com (or) kaa_kesoram3@sancham.net.in

COMPLETION CERTIFICATE

This is to certify that **Ms. A. NIKHITHA (H.T. No.: 21T81E0023)**, a student of MBA, **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), has done her project work on the subject name of "**QUALITY OF WORK LIFE**" of our organization during the period of 45 days, At Hyderabad..

During the period of her project work with us, we found her conduct and character are Good.

For Kesoram Cement,

For Kesoram Inds. Ltd.

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-001 512.



RAGHU RAM REDDY
Asst. Genl Manager (IR & HR).

Hyderabad Office : 6-3-1192/1/2, Office No. 613-616, White House, Block-3, Kundanbagh, Begumpet, Hyderabad,

Telangana 500016, Phones : 040 4334 4555

A
STUDY ON
MOTIVATION OF THE EMPLOYEES
AT
EDLOGIX SOFTWARE SOLUTIONS

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
GUNDALA PRAVEEN
(H.NO: 21T81E0024)

Under the Guidance of
Dr. K. V. L. MANASA

MBA, Ph.D



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (P.S.)
Aadulapuram (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)



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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “**MOTIVATION OF THE EMPLOYEES**” done at “**EDLOGIX SOFTWARE SOLUTIONS**” submitted by **GUNDALA PRAVEEN**, bearing the Roll No: **21T81E0024**, for the award of “**MASTER OF BUSINESS ADMINISTRATION**” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

Manasa

INTERNAL GUIDE

Dr. K. V. L. MANASA,

MBA ,Ph.D.

Manasa

HEAD OF DEPARTMENT

K.V.L - Manasa
Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andulapurmet (M), R.R. Dist. HYD-501 512.

Manasa
10/19/23

EXTERNAL EXAMINER




PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr. GUNDALA PRAVEEN**, bearing Hall ticket no: **21T81E0024**, **MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), Has successfully completed his project on "**MOTIVATION OF THE EMPLOYEES**" as part of the Academic course circular in our organization.

He has done the project during the period of 45 days, under the guidance of **Mr. KRISHNA KUMAR**, Asst. Manager, in **ELOGIX SOFTWARE SOLUTIONS PRIVATE LIMITED**, Hyderabad.

He has completed the assigned project well within the time frame. He is sincere, hard working and his conduct during the period is commendable.




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmel (M), R.R. Dist. HYD-501 512.

Address : 5th Floor, Chaitanya Chambers, Chaitanyapuri, Dilsukhnagar,
Hyderabad – 500 060, Phone . 040 48598988

A
STUDY ON
CASH MANAGEMENT
AT
ULTRATECH CEMENT

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
MALLOJU PRIYANKA
(H.NO: 21T81E0025)

Under the Guidance of
Mr. CH. RAJAK

Asst. Prof.



MBA

[Handwritten signature in blue ink]

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 912

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)



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Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “CASH MANAGEMENT” done at “ULTRATECH CEMENT” submitted by MALLOJU PRIYANKA, bearing the Roll No: 21T81E0025, for the award of “MASTER OF BUSINESS ADMINISTRATION” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mr. CH. RAJAK,

MBA.

Assistant Professor

HEAD OF DEPARTMENT

Dr. K.V.L. Manada

Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor

EXTERNAL EXAMINER

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. MALLOJU PRIYANKA**, (H.T. No.: **21T81E0025**), a student of M.B.A. of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has done her project work on the subject name of **“CASH MANAGEMENT”**.

She has done the project during the period of 45 days, under the guidance of **Mr. RAVIKRISHNA**, Asst. Manager Finance, in **ULTRATECH CEMENT LTD**, Hyderabad.

During the period of her project work with us, we found her conduct and character are Good.

We wish her good luck and all the best in her Career.

UltraTech Cement Ltd.




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

ADITYA BIRLA GROUP LIMITED

Branch Office : 503, Aditya Trade Centre, 5th Floor, Aditya Enclave Road, Ameerpet, Hyderabad 515 002, Tel: 040-6643 0430
Registered Office : "B" Wing, 2nd floor, Ahura Centre, Mahakali Caves Road, Andheri (East), Mumbai 400 093, India

A
STUDY ON
FUNDS FLOW STATEMENT
AT
ASIAN PAINTS

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
J. SAIRAM
(H.NO: 21T81E0027)

Under the Guidance of
Mr. CH. RAJAK

MBA

Asst. Prof.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullaourmet (M), R.R. Dist. HYD-501 512.



Phone No :+91 08415-201689

Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “FUNDS FLOW STATEMENT” done at “ASIAN PAINTS” submitted by J. SAIRAM, bearing the Roll No: 21T81E0027, for the award of “MASTER OF BUSINESS ADMINISTRATION” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mr. CH. RAJAK,

MBA.

Assistant Professor

HEAD OF DEPARTMENT

K.V.L. narala

Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor

EXTERNAL EXAMINER

PRINCIPAL

**Annamacharya Institute of
Technology & Sciences**

**Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.**

Certificate of Project Completion

This is certified that **Mr. J. SAIRAM**, with **Regd. No: 21T81E0027**, is the Bonafide student of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has successfully completed his project entitled "**FUNDS FLOW STATEMENT**" in **Finance**, and under the external guidance of **Mr. VMK PRASAD**, Asst. Manager, **Asian Paints Limited**, Hyderabad.

His performance during the project period was good.

The project was developed during the period of 45 days and under the live knowledge at **ASIAN PAINTS LIMITED**, Hyderabad.



Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

A
STUDY ON
INVENTORY MANAGEMENT
AT
ULTRATECH CEMENT

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD


BY
PAMBALA SHIRISHA
(H.NO: 21T81E0028)

Under the Guidance of
Mr. CH. RAJAK

MBA

Asst. Prof.




Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Ardullapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No :+91 08415-201689

Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “INVENTORY MANAGEMENT” done at “ULTRATECH CEMENT” submitted by PAMBALA SHIRISHA, bearing the Roll No: 21T81E0028, for the award of “MASTER OF BUSINESS ADMINISTRATION” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mr. CH. RAJAK,

MBA.

Assistant Professor

HEAD OF DEPARTMENT

Dr. K. V. L. MANASA,

MBA, Ph. D

Assistant Professor

EXTERNAL EXAMINER

**Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512**

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. PAMBALA SHIRISHA**, (H.T. No.: 21T81E0028), a student of M.B.A. of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has done her project work on the subject name of **“INVENTORY MANAGEMENT”**.

She has done the project during the period of 45 days, under the guidance of **Mr. RAVIKRISHNA**, Asst. Manager Finance, in **ULTRATECH CEMENT LTD**, Hyderabad.

During the period of her project work with us, we found her conduct and character are Good.

We wish her good luck and all the best in her Career.



UltraTech Cement Ltd.

(RAVIKRISHNA)

Asst. Manager HR


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512

ADITYA BIRLA GROUP LIMITED

Branch Office : 503, Aditya Trade Centre, 5th Floor, Aditya Enclave Road, Ameerpet, Hyderabad 515 002. Tel. 040-6643 0430
Registered Office : "B" Wing, 2nd floor, Ahura Centre, Mahakali Caves Road, Andheri (East), Mumbai 400 093, India

A
STUDY ON
STRESS MANAGEMENT
AT
TATA MOTORS

**Project submitted in partial fulfillment of requirement for the award of the
degree Of**

MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
G. SHRIVANI
(H.NO: 21T81E0029)

Under the Guidance of
Dr. K. V. L. MANASA

MBA, Ph.D



(Handwritten signature in blue ink)
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No : +91 0841 5-201689

Fax No : +91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “**STRESS MANAGEMENT**” done at “**TATA MOTORS**” submitted by **G. SHRIVANI**, bearing the **Roll No: 21T81E0029**, for the award of “**MASTER OF BUSINESS ADMINISTRATION**” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

Manasa

INTERNAL GUIDE

Dr. K. V. L. MANASA,

MBA ,Ph.D.

Manasa

HEAD OF DEPARTMENT

Dr. K. V. L. MANASA,

MBA, Ph. D

Assistant Professor

M. H. W.

EXTERNAL EXAMINER

[Signature]

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Ardulapurmet (M), R.R. Dist. HYD-501512



TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. G. SHRIVANI (H.T. No.: 21T81E0029)**, a student of MBA, of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), has done her project work on the subject name of **"STRESS MANAGEMENT"** of our organization of 45 days, At Hyderabad,

During the period of her project work with us, we found her conduct and character are Good.

We wish good luck and all the best in her Career.

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andhulapurmet (M), R.R. Dist. HYD-501 512.



Sr. Asst. Manager (IR & HR).

A
STUDY ON
LIFE INSURANCE
AT
KOTAK LIFE INSURANCE

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
CHIKKA SINDHUJA
(H.NO: 21T81E0030)

Under the Guidance of
Mr. CH. RAJAK

Asst. Prof.



MBA

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Ardulapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY, HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)

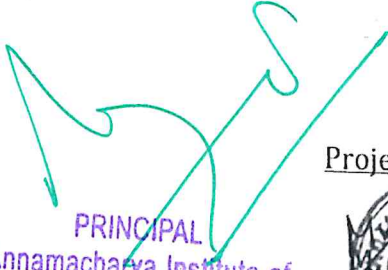
CERTIFICATE


This is to certify that the project entitled "LIFE INSURANCE" submitted by **Ms. CHIKKA SINDHUJA** (Roll No.: 21T81E0030), in partial fulfillment for the award of the degree of **MBA** from **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), is a bonafide work carried out by her in **Kotak**, Hyderabad, period of 60 days under our guidance and supervision.

She has completed the assigned project as per requirement within the time frame, her performance during the period was found to be excellent.

We wish all the best in her future endeavors.

For Kotak Securities Limited,


PRINCIPAL
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andalapurmet (M), R.R. Dist. HYD-501 512

Project Incharge

W. RAKESH
Authorized Signatory.

CERTIFICATE

This is to certify that the project entitled "LIFE INSURANCE" submitted by **Ms. CHIKKA SINDHUJA** (Roll No.: 21T81E0030), in partial fulfillment for the award of the degree of **MBA** from **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), is a bonafide work carried out by her in **Kotak**, Hyderabad, period of 60 days under our guidance and supervision.

She has completed the assigned project as per requirement within the time frame, her performance during the period was found to be excellent.

We wish all the best in her future endeavors.

For Kotak Securities Limited,


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

Project Incharge

Authorized Signatory.

**STUDY ON
NON PERFORMING ASSETS
AT
HDFC BANK**

**is submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)**


AHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

**BY
VARUGU SIREESHA
(H.NO: 21T81E0031)**

**Under the Guidance of
Mrs. M. KALPANA**

MBA

Asst. Prof.


PRINCIPAL
**Annamacharya Institute of
Technology & Sciences**
Piglipur (V), Batasingaram (Post)
Mandamra (M), R.R. Dist. HYD-501 512



**IACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)**

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)



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Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "NON PERFORMING ASSETS" done at "HDFC BANK" submitted by VARUGU SIREESHA, bearing the Roll No: 21T81E0031, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE
Mrs. M. KALPANA,
MBA

Assistant Professor

KJ 12/8/23

Manasa
HEAD OF DEPARTMENT

Dr. K. V. L. MANASA,

MBA, Ph. D

Assistant Professor

SD
EXTERNAL EXAMINER
(D. Srisailem)

[Signature]
PRINCIPAL

Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Ardulapurmet (M), R.R. Dist. HYD-501 512.




Certificate of Project Completion

This is to certify that **Ms. VARUGU SIREESHA**, bearing Hall ticket no: **21T81E0031**, **MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), has successfully completed her project on **"NON PERFORMING ASSETS"** as part of the Academic course circular in our organization.

She has done the project during the period of 45 days under the guidance of **Ms. K.SUMA**, in **HDFC BANK LTD**, Hyderabad.

HDFC Bank Ltd,




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

A
STUDY ON
ATTRITION LEVEL
AT
BSNL

Project submitted in partial fulfillment of requirement for the award of the
degree Of

MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
J. SOWJANYA
(H.NO: 21T81E0032)

Under the Guidance of
Dr. K. V. L. MANASA

MBA, Ph.D



PRINCIPAL

Annamacharya Institute of
Technology & Sciences

Piglipur, (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

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Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “ATTRITION LEVEL” done at “BSNL” submitted by **J. SOWJANYA**, bearing the Roll No: **21T81E0032**, for the award of “**MASTER OF BUSINESS ADMINISTRATION**” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

Manasa

INTERNAL GUIDE

Dr. K. V. L. MANASA,

MBA, Ph.D.

Manasa

HEAD OF DEPARTMENT

Dr. K. V. L. MANASA,

MBA, Ph. D

Assistant Professor

[Handwritten Signature]

PRINCIPAL

**Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.**

[Handwritten Signature]

EXTERNAL EXAMINER

(D. Srisaïlam)



Connecting India

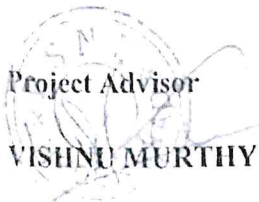
CERTIFICATE

This is to certify that **Ms. J. SOWJANYA**, Roll No: **21T81E0032**, a student of Masters of Business Administration, **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), worked under my supervision during her Project titled is "**A STUDY ON ATTRITION LEVEL**" as part of the Academic course circular in our organization.

She has done the project during the period of 45 days in the guidance of **Mr. VISHNU MURTHY**, in BSNL.

I wish her all Success.

Thanking You,




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullaapurmet (M), R.R. Dist. HYD-501 512.

Address : Door Sanchar Bhavan, Nampally Station Road, Abids, Hyderabad - 500001

Tele Phone : 040 2323 3855

A
STUDY ON
RECRUITMENT AND SELECTION
AT
HDFC STANDARD LIFE INSURANCE
Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
V. SREYA
(H.NO: 21T81E0034)

Under the Guidance of
Mrs. P. BHARGAVI

MBA

Assot. Prof.



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No :+91 08415-201688
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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “**RECRUITMENT AND SELECTION**” done at “**HDFC STANDARD LIFE INSURANCE**” submitted by **V. SREYA**, bearing the Roll No: 21T81E0034, for the award of “**MASTER OF BUSINESS ADMINISTRATION**” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mr. P. BHARGAVI,

MBA.

Associate Professor

HEAD OF DEPARTMENT

Dr. K. V. L. MANASA,

MBA, Ph. D

Assistant Professor

EXTERNAL EXAMINER
(D. Srisailem)

Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

Certificate of Project Completion


This is to certify that **Ms. V. SREYA**, bearing Hall ticket no: **21T81E0034**,
MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, Piglipur,
Batasingaram, Hayath Nagar (M), has successfully completed her project on
"RECRUITMENT AND SELECTION" as part of the Academic course circular in
our organization.

She has done the project during the period of 45 days, under the guidance
of **Mr. RAVI K**, Branch Manager, in **HDFC STANDARD LIFE INSURANCE Co. LTD**,
Hyderabad.

For HDFC Standard Life Insurance Co. Ltd,



Branch Manager.


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

HDFC Standard Life Insurance Co. Ltd

Branch Office: # 8-2-293/82/A/1103, Above Food World, Road No. 36, Jubilee Hills, Hyderabad-500033
Tel : +91-040-2354 1892, 6674 3451/52, Fax : +91-040-6674 3453, www.hdfclife.com

A
STUDY ON
CASH MANAGEMENT
AT
VISAKA INDUSTRIES PRIVATE LIMITED
Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
P. SRILAKSHMI
(H.NO: 21T81E0035)

Under the Guidance of
Mrs. M. KALPANA

MBA

Asst. Prof.



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No :+91 08415-201689
Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "CASH MANAGEMENT" done at "VISAKA INDUSTRIES PVT. LIMITED" submitted by P. SRILAKSHMI, bearing the Roll No: 2IT81E0035, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mrs. M. KALPANA,

MBA

Assistant Professor

KJ 10/8/23

EXTERNAL EXAMINER

[Handwritten Signature]

Manasa
HEAD OF DEPARTMENT

DR. K.V.L MANASA
DR. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor

[Handwritten Signature]

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.



PROJECT COMPLETION LETTER

We are glad to inform you that **Ms. P. SRILAKSHMI**, Ht. No: **21T81E0035** from **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), has successfully completed her project at **VISAKA INDUSTRIES** period of 45 days. The project titled was **“CASH MANAGEMENT”** at Hyderabad.

During her project, She was exposed to the various activities in Automation Fiber in industries.

We found her extremely inquisitive and hard working. She was very much interested to learn the functions of our core division and also willing to put her best efforts and get in to the depth of the subject to understand it better.

Her association with us was very fruitful and we wish her all the best in her future endeavors.



FROM VISAKA INDUSTRIES.

USHAN PRASAD.


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Addullapurmet (M), R.R. Dist. HYD-601 512.

Address: E-8-303/69/3, Visaka Tower, S P Road, Secunderabad, Telangana 500003,
Phone: 010 2781 3833

A
STUDY ON
IMPACT ON INDIAN STOCK MARKET
AT
NETWORTH STOCK BROKING LTD
Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
PURMA SRILEKHA
(H.NO: 21T81E0037)

Under the Guidance of
Mrs. ANNAPURNA

MBA

Asst. Prof.




Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No :+91 08415-201689
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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "IMPACT ON INDIAN STOCK MARKET" done at "NETWORTH STOCK BROKING LTD" submitted by PURMA SRILEKHA, bearing the Roll No: 21T81E0037, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

Annapurna
10/8

INTERNAL GUIDE

Mrs. ANNAPURNA,

MBA

Assistant Professor

Manasa

HEAD OF DEPARTMENT

K.VL MANASA

Dr. ~~KATTAMURI SATISH~~,

MBA, Ph. D

Assistant Professor

[Signature]
EXTERNAL EXAMINER

[Signature]

**Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.**


TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. PURMA SRILEKHA**, bearing Hall ticket no: **21T81E0037**, **MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), has successfully completed her project work on **"IMPACT ON INDIAN STOCK MARKET"** as part of the Academic course circular in our organization.

She has done the project during the period of 45 days under the guidance of **Mr. A VENKAT REDDY**, Branch Manager, in **NETWORTH STOCK BROKING LTD**, Hyderabad.

We wish all the best in her future endeavors.

For Networkth Stock Broking Ltd,



Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

Networkth Capital Ltd. (SEBI Regi. No. : INZ000008037)

(Known as Networkth Stock Broking Ltd.)

Office : # 205, Chaitanya Chambers, Chaitanyapuri, Dilsukhnagar, Hyderabad - 500 060, India.
040-6614 7920/21/22/23

Office : 901/902, 9th Floor, Atlanta Centre, Opp. Udyog Bhawan, Sonawala Road,
Mumbai - 400063. Phone Nos. : +91-22-30641600

A
STUDY ON
FIXED ASSETS MANAGEMENT
AT
BAJAJ ELECTRICALS LIMITED
Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
SRUTHI
(H.NO: 21T81E0038)

Under the Guidance of
Mrs. ANNAPURNA

MBA

Asst. Prof.

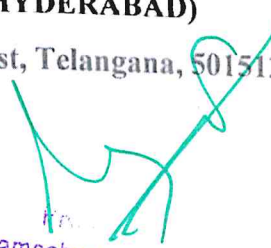


ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)


Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Addullapurmet (M), R.R. Dist. HYD-501 512.



Phone No :+91 08415-201689

Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled "**FIXED ASSETS MANAGEMENT**" done at "**BAJAJ ELECTRICALS LIMITED**" submitted by **SRUTHI**, bearing the Roll No: 21T81E0038, for the award of "**MASTER OF BUSINESS ADMINISTRATION**" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

INTERNAL GUIDE

Mrs. ANNAPURNA,

MBA

Assistant Professor

HEAD OF DEPARTMENT

Dr. K.V.L. MANASA
Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor

EXTERNAL EXAMINER

ANNAMACHARYA
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

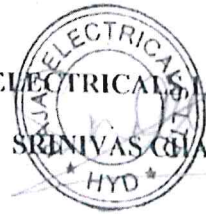
CERTIFICATION

This is to certify that the Project report on “A STUDY ON FIXED ASSETS MANAGEMENT” is done by Ms. SRUTHI, Hall Ticket No:- 21T81E0038, as a partial fulfillment of the requirement of “Master of Business Administration (MBA)” degree from “ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES” Piglipur, Batasingaram, Hayath Nagar(M), The report has been carried out under my guidance and is a record of the bonafide work that has been carried out successfully for 45 Days.



PRINCIPAL
Annamacharya Institute
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

FROM BAJAJ ELECTRICALS LIMITED,
SRINIVAS CHARY.



A
STUDY ON
COST ANALYSIS AND CONTROL
AT
SAGAR CEMENT

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
M. SWARNALATHA
(H.NO: 21T81E0039)

Under the Guidance of
Mrs. NAVANEETHA

MBA

Asst. Prof.



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (M), Batasingaram (M),
Andulapumet (M), R.R. Dist. HYD-501 512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No :+91 08415-201689
Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

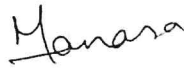
This is certify that project report entitled "COST ANALYSIS AND CONTROL" done at "SAGAR CEMENT" submitted by M. SWARNALATHA, bearing the Roll No: 21T81E0039, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE

for
Mrs. NAVANEETHA,

MBA

Assistant Professor


HEAD OF DEPARTMENT
Dr. K.V.L MAJASA
Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor


EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aundallapurmet (M), R.R. Dist. HYD-501 512.



TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. M. SWARNALATHA**, bearing Hall ticket no: **21T81E0039**, **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), has done her project work on the subject name of **"COST ANALYSIS AND CONTROL"**.

She has done the project during the period of 45 days, under the guidance of **Mr. RAMBABU BANALA**, Asst. General Manager, in **SAGAR CEMENT LTD**, Hyderabad. During the period of her project work with us, we found her conduct and character are Good.

For Sagar Cement Limited.


(**RAMBABU BANALA**)
Asst. General Manager

Address

Plot No. 111 , Road No. 10
Jubilee Hills,
Hyderabad - 500 033
Phone , +91 40 23351571
Fax: +91 40 23356573


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Amdullapurmet (M), R.R. Dist. HYD-601 512.

A
STUDY ON
"FINANCIAL FORECASTING AND PLANNING"
AT
"INIDA CEMENTS"

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
K. SWATHI
(H.NO: 21T81E0040)

Under the Guidance of
Mrs. NAVANEETHA

MBA

Asst. Prof.




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)




Phone No. -91 48415-201609
Fax No. -91 48415-201609

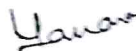
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar (M), R.R. Dist. HYD-501512

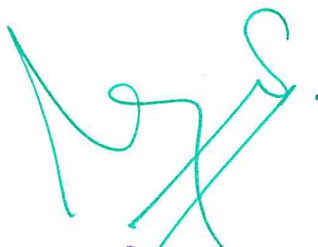
CERTIFICATE

This is certify that project report entitled "FINANCIAL FORECATING AND PLANNING" done at "INIDA CEMENTS" submitted by K. SWATHL bearing the Roll No: 21T81E0040, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE
Mrs. NAVANEETHA,
MBA
Assistant Professor


HEAD OF DEPARTMENT
K.V.L. Manasa
Dr. KATTAMURI SATISH,
MBA. Ph. D
Assistant Professor


EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullaourmet (M), R.R. Dist. HYD-501 512.



THE INDIA CEMENTS LIMITED

WORKS : VISHNUPURAM, WADAPALLY (POST), NAI GONDA DIST - 508 355 (A.P.)
PHONE : 08689 - 228580, 228427. * FAX : 08689-228447 * GRAMS : RAASI, MIRYALGUDA
E-mail : iclvm@rediffmail.com



No.: 28220189434 *APGST No.: PJT/02/12453/90-91 *CST No.:PJT.02/2324/90-91 *FCC No.: AAAC 1728PX/M001

TO WHOM SO EVER IT MAY CONCERN


This is to certify that **Ms. K. SWATHI, (H.T. No.: 21T81E0040)**, of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar(M), Has successfully completed the project titled **"FINANCIAL FORECATING AND PLANNING"** at **INDIA CEMENTS LIMITED**, Hyderabad, for partial fulfillment of her MBA project period of 45 days.

Her conduct is good.

We wish her good luck and all the best in her future endeavours.

The India Cements Limited.


DR. BHARATH KUMAR
INDIA CEMENT LIMITED
Asst. Manager


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

A
STUDY ON
EMPLOYEE RELATIONS
AT
CAPITAL IQ

Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
M. SWATHI
(H.NO: 21T81E0041)

Under the Guidance of
Mrs. P. BHARGAVI

MBA

Assot. Prof.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.



Phone No :+91 08415-201689
Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE


This is certify that project report entitled “EMPLOYEE RELATIONS” done at “CAPITAL IQ” submitted by M. SWATHI, bearing the Roll No: 21T81E0041, for the award of “MASTER OF BUSINESS ADMINISTRATION” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE

Mr. P. BHARGAVI,

MBA.

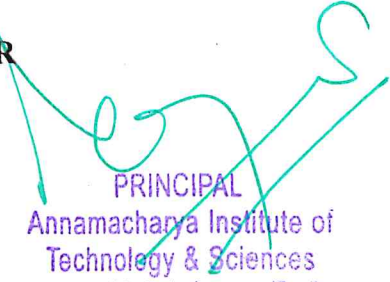
Associate Professor


HEAD OF DEPARTMENT
K.V.L. MANASA
Dr. KATTAMURI SATISH,

MBA, Ph. D

Assistant Professor


EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. M. SWATHI**, bearing Hall ticket no: **21T81E0041**
MBA. **ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur,
Batasingaram, Hayath Nagar (M), Has successfully completed her project on
"EMPLOYEE RELATIONS" as part of the Academic course circular in our
organization.

She has done the project during the period of 45 days, under the guidance
of **Mr. KRISHNA KUMAR**, Asst. Manager, in **S&P CAPITAL IQ**, Hyderabad.

She has completed the assigned project well within the time frame. She is
sincere, hard working and her conduct during the period is commendable.

Thanking You,


KRISHNA KUMAR
Asst. Manager HR.



Principal
Annamacharya Institute -
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andhulapurmet (M), R.R. Dist. HYD-501 512.

A
STUDY ON
QUALITY OF WORK LIFE
AT
VIRNACHI TECHNOLOGIES

project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
P. SWATHI
(H.NO: 21T81E0042)

Under the Guidance of
Mr. CH. RAJAK

MBA

Asst. Prof.



PRINCIPAL

Annamacharya Institute of
Technology & Sciences

Piglipur (V), Batasingaram (Post)

Addullapurmet (M), R.R. Dist. HYD-501512.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AFFILIATED TO JNTU UNIVERSITY, HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar (M), RR Dist, Telangana, 501512

(2021 - 2023)





Phone No :+91 08415-201689
Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512


CERTIFICATE

This is certify that project report entitled "QUALITY OF WORK LIFE" done at "VIRNACHI TECHNOLOGIES" submitted by P. SWATHI, bearing the Roll No: 21T81E0042, for the award of "MASTER OF BUSINESS ADMINISTRATION" of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.


INTERNAL GUIDE
Mr. CH. RAJAK,
MBA.
Assistant Professor


HEAD OF DEPARTMENT
Dr. K. V. L. MANASA,
MBA, Ph. D
Assistant Professor


EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.

Virinchi Technologies Limited

PROJECT COMPLETION CERTIFICATE


This is to certify that **Ms. P. SWATHI**, bearing Hall ticket no: **21T81E0042**, **MBA. ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES**, Piglipur, Batasingaram, Hayath Nagar (M), has successfully completed her project on "**QUALITY OF WORK LIFE**" as part of the Academic course circular in our organization.

She has done the project during the period of 45 days, under the guidance of **Mr. KRISHNA KUMAR**, Asst. Manager HR, in **VIRINCHI TECHNOLOGIES LIMITED**, Hyderabad.

She has completed the assigned project well within the time frame. She is sincere, hard working and her conduct during the period is commendable.

Thanking You,


KRISHNA KUMAR
Asst. Manager HR.


Principal
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andullapurmet (M), R.R. Dist. HYD-501 512.

Address: Mithila Nagar, Banjara Hills, Hyderabad, Telangana - 500034
Phone: 040 2789 0669, Email : Info@virinchi.com

A
STUDY ON
BUDGET AND BUDGETARY CONTROL
AT
HERITAGE FOOD'S (INIDA) LIMITED
Project submitted in partial fulfillment of requirement for the award of the
degree Of
MASTER OF BUSINESS ADMINISTRATION (MBA)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

BY
M. VIJAYA LAXMI
(H.NO: 21T81E0043)

Under the Guidance of
Mrs. V. MOUNIKA

MBA

Asst. Prof.



[Handwritten signature in green ink]

Annamacharya Institute
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Andhlapet (M), R.R. Dist. HYD-501 512

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AFFILIATED TO JNTU UNIVERSITY. HYDERABAD)

Piglipur, Batasingaram, Hayath Nagar(M), RR Dist, Telangana, 501512

(2021 - 2023)



Phone No :+91 08415-201689
Fax No :+91 08415-201688

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Piglipur, Batasingaram, Hayathnagar(M), R.R.Dist. HYD-501512

CERTIFICATE

This is certify that project report entitled “**BUDGET AND BUDGETARY CONTROL**” done at “**HERITAGE FOOD'S (INIDA) LIMITED**” submitted by **M. VIJAYA LAXMI**, bearing the Roll No: **21T81E0043**, for the award of “**MASTER OF BUSINESS ADMINISTRATION**” of Jawaharlal Nehru Technological University, Hyderabad is a record of independent project work under taken by him, under my supervision and guidance & the project has not been submitted either in part or whole for the award of any other degree or diploma of any university.

P. L. S. Rajan
INTERNAL GUIDE

3
Mrs. V. MOUNIKA,

MBA

Assistant Professor

Yamara
HEAD OF DEPARTMENT

Dr. ~~KATTAMURI SATISH~~
K.V.L. MANASA
MBA, Ph. D

Assistant Professor

[Signature]
EXTERNAL EXAMINER

[Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.



Heritage
FOODS (INDIA) LIMITED

PROJECT COMPLETION LETTER

This is to certify that **Ms. M. VIJAYA LAXMI**, bearing Hall ticket no: **21T81E0043**, MBA ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, Piglipur, Batasingaram, Hayath Nagar(M), has successfully completed her project on "**BUDGET AND BUDGETARY CONTROL**" as part of the Academic course circular in our organization.

She has done the project during the period of 45 days, under the guidance of **Mr. K.KISHAN**, Asst. Manager Finance, in **HERITAGE FOODS (INDIA) LIMITED**, Hyderabad.

Heritage Foods (India) Limited,



Asst. Manager Finance


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Aodullapurmet (M), R.R. Dist. HYD-501 512.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur, Batasingaram Panchayath, Hayath Nagar Mandal, Hyderabad, R.R. Dist. 501 512.

(Approved by AICTE, Recognized by the GOVT. of T.S., Permanent Affiliation from JNTUH, Hyderabad.)

Accredited by "NAAC" with "A" Grade, Recognized by UGC Under Section 2(f) and 12(B).

Phone : 08415-201689 (O)
Mobile : 9848924705

Website : aits-hyd.org
E-mail : principalath@gmail.com
Fax : 08415-201688

DEPARTMENT OF MECHANICAL ENGINEERING ROLL LIST (AY 2018-19) PROJECT WORK

S.No	PROJECT TITLE	STUDENT ROLL NUMBER AND NAME
1	INTILLEGENT UNMANNED ARMY TANK (ROBOTICS)	16T85A0319-MAHESHUNI SHIVA PRASAD
		16T85A0309-KUMMARI MADHAVI
		15T81A0312-JEEDINADLA RAVI
2	FABRICATION OF POWER GENERATION USING RAILWAY TRACK(Production of technology PT)	16T85A0308-CH HARIPRAKASH
		16T85A0305-P CHANDRASHEKHAR
		16T85A0315-C ROJA
3	FABRICATION OF BUTTON OPERATED ELETROMAGNETIC GEAR SHIFTING AND SIDESTAND LIFTING FOR TWO WHEELER(Production of technology PT)	16T85A0316-GUNDU SAI PRAKASH
		16T85A0303-N ARUNA
		16T85A0318-BANOTH SHANKAR
4	DESIGN AND FABRICATION OF HIGHWAY WIND TURBINE(Design of Machine members-2 DMM-II)	15T81A0301-MANIR AHMAD KHAN
		14T81A0301-MOHD ABDUL MUQEED
		15T81A0309- MOHD RAFEEQ
5	FABRICATION OF MULTI OPERATING MACHINE (CUTTING, GRINDING AND DRILLING) (MACHINE TOOLS)	15T81A0307-BURRI MURALI
		15T81A0308-DASAROJU POORNA CHARY
		15T81A0313-PADIGAPATI RAVINDAR REDDY
6	INTELLIGENT BRAKING SYSTEM USING OBSTACLE SENSOR(ROBOTICS)	15T81A0316-A VINOD KUMAR
		16T85A0302-M ANVESH
		16T85A0324-B VIKRAM
7	DESIGN AND FABRICATION OF RAILWAY TRACK CRACK DETECTION VEHICLE (Design of Machine members-1 DMM-I)	16T85A0320-TUMULURI SRIKANTH
		16T85A0306-DHILEEP KUMAR REDDY NUKALA
		16T85A0311-DANTHURI NIKHIL KUMAR GOUD
8	FABRICATION OF AUTOMATIC TRACK GUIDED VEHICLE(ROBOTICS)	15T81A0304-T B N V KISHORE
		15T81A0305-MOHD FOUZAN AHMED
		15T81A0302-VUTHIPALLY ANIL KUMAR
9	FABRICATION OF BATTERY OPERATED POWER WEEDER(MACHINE TOOLS)	15T81A0314-GUMMALLA SAI KUMAR
		15T81A0315-DORNALA VIJAY KUMAR
		16T85A0310-VANKUDOTHU NAVEEN
		16T85A0314-KADIYALA RAVI KIRAN
		16T85A0321-GUDLA SRINIVAS

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Accredited by NACC with A Grade, Recognized by UGC with

2(f)&12(b)&Permanent Affiliation to JNTUH)

PIGLIPUR, BATASINGARAM (V), HAYATH NAGAR (M), R.R.DIST,
HYDERABAD

DEPARTMENT OF MECHANICAL ENGINEERING



[Handwritten Signature]

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 502

CERTIFICATE

This is to certify that the project report entitled

“FABRICATION OF MULTI OPERATING MACHINE
(CUTTING,GRINDING AND DRILLING)”

being submitted by

BURRI MURALI
DASAROJU POORNA CHARY
PADIGAPATI RAVINDAR REDDY

ROLL NO:15T81A0307
ROLL NO:15T81A0308
ROLL NO:15T81A0313

In a partial fulfillment for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them during the academic year **2018-19** under our guidance and supervision.

[Handwritten Signature]
INTERNAL GUIDE

Mr. MD JAVEED
ASST.PROFESSOR
MECHANICAL ENGG.
AITS,HYD

[Handwritten Signature]
HEAD OF THE DEPARTMENT
HOD
Piglipur (V), Batasingaram (Post), R.R. Dist-501 512

Mr. B JEEVAN KUMAR
ASST.PROFESSOR
MECHANICAL ENGG.
AITS,HYD

[Handwritten Signature]
EXTERNAL EXAMINER

[Handwritten Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist-501 502

A
MAJOR PROJECT REPORT
ON
DESIGN AND FABRICATION OF HIGHWAY WIND TURBINE

Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF TECHNOLOGY

IN
MECHANICAL ENGINEERING

Submitted by

- | | |
|----------------------|---------------------|
| 1. MANIR AHMAD KHAN | ROLL NO.15T 81A0301 |
| 2. MOHD ABDUL MUQEED | ROLL NO.14T81A0301 |
| 3. MOHD RAFEEQ | ROLL NO.15T81A0309 |

Under of the esteemed guidance of

Mr. M.BHASKAR

Assistant Professor

Dept. of Mechanical Engineering

AITH, Hyderabad.



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE
PIGLIPUR, BATA SINGARAM (V) HAYATHNAGAR (M), R.R. DIST, HYDERABAD

2015-2019


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdulapurmet (M), R.R. Dist. HYD-50* 523

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Scanned with CamScanner

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled
DESIGN AND FABRICATION OF HIGHWAY WIND TURBINE

being submitted by

- | | |
|---------------------|----------------------|
| 1. MANIR AHMAD KHAN | (ROLLNO:15T81A0301) |
| 2.MOHD ABDUL MUQEED | (ROLL NO:14T81A0301) |
| 3.MOHD RAFEEQ | (ROLL NO:15T81A0309) |

in a partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING, is a record
of bonafide work carried out by them during 1st JAN 2019 to 25TH APRIL under our
guidance and supervision.

HEAD OF DEPARTMENT

B.JEEVAN KUMAR

DEPARTMENT OF MECHANICAL

AIITS-HYDERABAD

GUIDE SIGN

M.BHASKAR

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 502

EXTERNAL EXAMINER

A
MAJOR PROJECT REPORT
ON
"REPLICATION OF BUTTON OPERATED ELECTROMAGNETIC GEAR SHIFTING & SIDE
STAND LIFTING FOR TWO WHEELER"

Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Submitted by

GUNDU SAI PRAKASH	16T85A0316
N.ARUNA	16T85A0303
BANOTH SHANKAR	16T85A0318

Under the esteemed guidance of

P. SRINIVASULU

Assistant Professor,

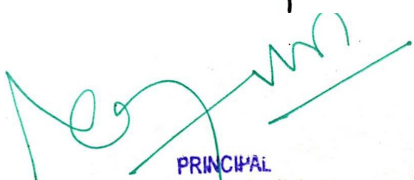
Dept. of Mechanical Engineering,

AITH, Hyderabad.



— **Submitted to**

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Accredited by NACC with A Grade, Recognized by UGC with
2(f) & 12(b) & Permanent Affiliation to JNTUH)
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PIGLIPUR, BATASINGARAM (V), HAYAT NAGAR (M), R.R.DIST, HYDERABAD
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

**"FABRICATION OF BUTTON OPERATED ELECTROMAGNETIC GEAR SHIFTING & SIDE
STAND LIFTING FOR TWO WHEELER"**

Being submitted by

GUNDU SAI PRAKASH

16T85A0316

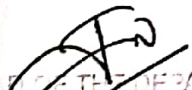
N.ARUNA

16T85A0303

BANOTH SHANKAR

16T85A0318

In a partial fulfillment of the requirements for the award of the degree of **BACHELORE OF
TECHNOLOGY in MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them
during 1st January 2019 to 20th APRIL 2019 under our guidance and supervision.


DEPARTMENT
JEEVAN KUMAR
Assistant Professor, HOD


GUIDE NAME WITH SIGNATURE

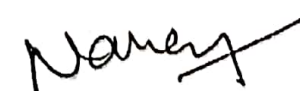
Assistant Professor, HOD

DEPARTMENT OF MECHANICAL

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EXTERNAL EXAMINER

II

**A
MAJOR PROJECT REPORT
ON
"FABRICATION OF POWER GENERATION USING
RAILWAY TRACK"**

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Submitted by

**CH.HARIPRAKASH
P.CHANDRASHEKHAR
C.ROJA**

**ROLL.NO: 16T85A0308
ROLL.NO: 16T85A0305
ROLL.NO: 16T85A0315**

Under the esteemed guidance of

Ms. T. SRIKANTHI

Assistant Professor,

Department. of Mechanical Engineering,

AITS, Hyderabad.



Submitted to

**DEPARTMENT OF MECHANICAL ENGINEERING
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[Handwritten signature in green ink]

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SCIENCES**

PIGLIPUR, BATASINGARAM (V), HAYAT NAGAR (M), R.R.DIST, HYDERABAD

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

**“FABRICATION OF POWER GENERATION USING
RAILWAY TRACK”**

Being submitted by

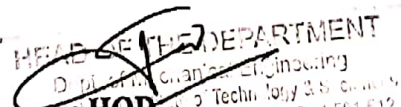
**CH.HARIPRAKASH
P.CHANDRASHEKHAR
C.ROJA**

**ROLL.NO: 16T85A0308
ROLL.NO: 16T85A0305
ROLL.NO: 16T85A0315**

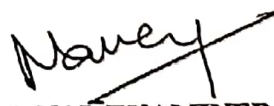
In a partial fulfillment of the requirements for the award of the degree of the **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING**, JNTUH. Is a record of bonafide work carried out during the academic year **2018-19** under our guidance and supervision.

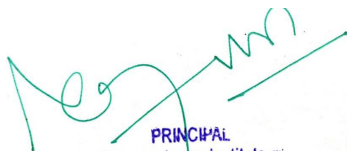

INTERNAL GUIDE


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**PRINCIPAL
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A
MAJOR PROJECT REPORT
ON
"INTILLEGENT UNMANNED ARMY TANK"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Submitted by

- | | |
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| 1. MAHESHUNI SHIVA PRASAD | (ROLL NO:16T85A0319) |
| 2. KUMMARI MADHAVI | (ROLL NO:16T85A0309) |
| 3. JEEDIMADLA RAVI | (ROLL NO:15T81A0312) |

Under the esteemed guidance of

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Dept. of Mechanical Engineering,

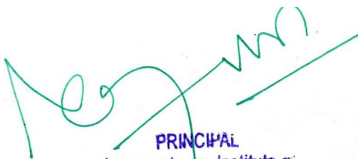
AITH, Hyderabad.



Submitted to

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“INTILLEGENT UNMANNED ARMY TANK”

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in a partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them during **1st june 2018 to 7th july 2018** under our guidance and supervision.



HEAD OF THE DEPARTMENT

B.JEEVAN KUMAR

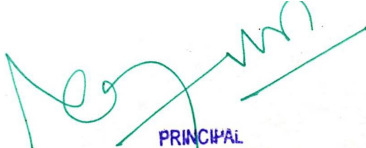
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||

**A
MAJOR PROJECT REPORT
ON
"FABRICATION OF BATTERY OPERATED POWER WEEDER"**

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Submitted by

- | | |
|------------------------|----------------------|
| 1. VANKUDOTHU NAVEEN | (ROLL NO:16T85A0310) |
| 2. KADIYALA RAVI KIRAN | (ROLL NO:16T85A0314) |
| 3. GUDLA SRINTVAS | (ROLL NO:16T85A0321) |

Under the esteemed guidance of

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Assistant Professor,

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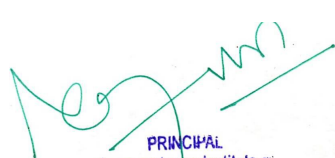


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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

"FABRICATON OF BATTERY OPERATED POWER WEEDER"

being submitted by

1. VANKUDOTHU NAVEEN
2. KADIYALA RAVI KIRAN
3. GUDLA SRINIVAS

(ROLL NO: 16T85A0310)

(ROLL NO: 16T85A0314)

(ROLL NO:16T85A0321)

in a partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them during to under our guidance and supervision.

BJEEVAN KUMAR

HEAD OF DEPARTMENT

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GUIDE : BHARAT KUMAR

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||

**MAJOR PROJECT REPORT
ON
"FABRICATION OF AUTOMATIC TRACK GUIDED VEHICLE"**

Submitted in partial fulfillment of the requirement for the award of the degree of

**BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING**

Submitted by

- | | |
|--------------------------|----------------------|
| 1. MOHD FOUZAN AHMED | (ROLL NO:15T81A0305) |
| 2. VUTHIPALLY ANIL KUMAR | (ROLL NO:15T81A0302) |
| 3. GUMMALLA SAI KUMAR | (ROLL NO:15T81A0314) |
| 4. DORNALA VIJAY KUMAR | (ROLL NO:15T81A0315) |

Under the esteemed guidance of

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PIGLIPUR, BATASINGARAM (V), HAYAT NAGAR (M), R.R.DIST, HYDERABAD
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a partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them during the academic year 2018-19 under our guidance and supervision.


B. JEEVAN KUMAR
HEAD OF MECHANICAL DEPARTMENT

GUIDE NAME WITH SIGNATURE

Kotresh.M.C 



PIGLIPUR, HYDERABAD
HEAD OF THE DEPARTMENT
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A
MAJOR PROJECT REPORT
ON
"DESIGN AND FABRICATION OF RAILWAY TRACK CRACK
DETECTION VEHICLE"

Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Submitted by

TUMULURI SRIKANTH
T.B.N.V KISHORE
DHILEEP KUMAR REDDY NUKALA
DANTHURI NIKHIL KUMAR GOUD

(ROLL.NO: 16T85A0320)
(ROLL.NO: 15T81A0304)
(ROLL.NO: 16T85A0306)
(ROLL.NO: 16T85A0311)

Under the esteemed guidance of

MR.B.PRAKASH

Assistant Professor,

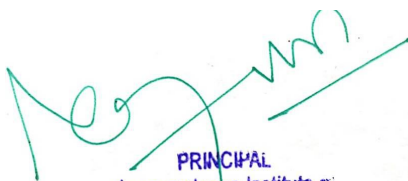
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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

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**“DESIGN AND FABRICATION OF RAILWAY TRACK CRACK
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being submitted by

TUMULURI SRIKANTH	(ROLL.NO: 16T85A0320)
T.B.N.V KISHORE	(ROLL.NO: 15T81A0304)
DHILEEP KUMAR REDDY NUKALA	(ROLL.NO: 16T85A0306)
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in a partial fulfillment of the requirements for the award of the degree of the **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING, JNTUH** is a record of bonafide work carried out during the academic year **2018-19** under our guidance and supervision

PROJECT GUIDE

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ASST.PROF.

MECHANICAL ENGG.

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Mr.B. JEEVAN KUMAR

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Abdullapurmet (M), R.R. Dist. HYD-501 512

A
Major Project Report
On
"INTELLIGENT BRAKING SYSTEM USING OBSTACLE SENSOR"

Submitted in partial fulfillment of the requirement
For the award of the BACHELOR DEGREE

In
MECHANICAL ENGINEERING

Submitted by

A.VINOD KUMAR -15T81A0316

M.ANVESH-16T85A0302

B.VIKRAM-16T85A0324

Under the esteemed guidance of

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Submitted to

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2015-2019

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A.VINOD KUMAR -15T81A0316

M.ANVESH-16T85A0302

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Under Guidance

Mr.B.JEEVAN KUMAR



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A
MAJOR PROJECT REPORT
ON
"FABRICATION OF MULTI OPERATING MACHINE
(CUTTING,GRINDING AND DRILLING)"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Submitted by

BURRI MURALI

DASAROJU POORNA CHARY

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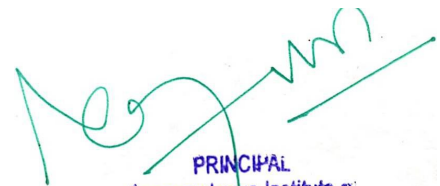
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College Code : T8
ESTD: 2005

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur, Batasingaram Panchayath, Hayath Nagar Mandal, Hyderabad, R.R. Dist. 501 512.

(Approved by AICTE, Recognized by the GOVT. of T.S., Permanent Affiliation from JNTUH, Hyderabad.)

Accredited by "NAAC" with "A" Grade, Recognized by UGC Under Section 2(f) and 12(B).

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2	16T81A0303-ALOK KUMAR JHA
3	16T81A0305-D ARAVIND KUMAR
4	16T81A0308-SHAIK HAFEEZ
5	16T81A0312-K NARSIMHA REDDY
6	16T81A0315-KOLLI PRADEEP KUMAR
7	16T81A0316-ANUPA RAMKUMAR
8	16T81A0318-PESHETTI SAIROHITH
9	16T81A0319-BANDHAM SAITEJA
10	16T81A0320-GUNDLAPALLY SANDEEP
11	16T81A0324-S SRIDHAR REDDY
12	16T81A0325-NALAJALA UDAY KIRAN
13	16T81A0326-S VENKATESH
14	16T81A0327-PUSHKAR DEV
15	16T85A0317-A SATISH KUMAR
16	17T85A0301-NADIM DODDI BHEEMAI AH
17	17T85A0302-ESARI MALLESH
18	17T85A0303-BUTTA NAGARAJU
19	17T85A0304-ENUMULA NAGARAJU
20	17T85A0305-N NAGARAJU
21	17T85A0306-UDEM NIKIL REDDY
22	17T85A0307-PANJAGULA PRASAD
23	17T85A0308-MANTRALA PRASHANTH
24	17T85A0309-J RAMESH
25	17T85A0310-YARRA RAMYA
26	17T85A0311-RAGULA RAVITEJA
27	17T85A0312-MANDAVA SAI TEJ
28	17T85A0313-VEMULA SAIDA RAO
29	17T85A0314-MUDOJI SRINIVAS
30	17T85A0315-BAJAM VIJAY
31	17T85A0316-KOTI VIJAY KUMAR

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Abdullapurmet (M), R.R. Dist. HYD 501 512.

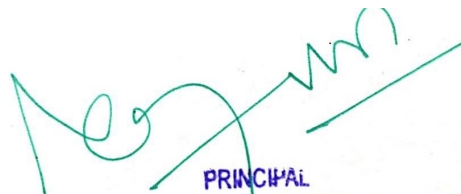
A
MAJOR Project Report on
"HYBRID POWER GENERATION USING SOLAR, WIND AND
PIEZOELECTRIC ENERGY SOURCE"
Submitted to
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD
In Partial fulfillment of the Requirement for the Award of the degree of
BACHELOR OF TECHNOLOGY
In
MECHANICAL ENGINEERING
Submitted

By
ALOK KUMAR JHA 16T81A0303
P. SAI ROHITH 16T81A0318
MUDOJI SRINIVAS 17T85A0314

Under The Esteemed Guidance Of
MR. B . PRAKASH(M.TECH)
ASSISTANT PROFESSOR
MECHANICAL DEPARTMENT



Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE
Hayathnagar (M), R.R(D), Hyderabad-501512
(Affiliated to JNTU, Hyderabad)
2016-2020



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Technology & Sciences
Pitapur (V), Betavengeram (Post)
Abdullapurmet (M), R.R. Dist. HYD-50th 50%



Department of Mechanical Engineering
Annamacharya Institute Of Technology and Sciences-Hyderabad
(Accredited By NAAC With A Grade, recognized by UGC With 2(f)& 12(b)& permanent
Affiliated to JNTUH)
08415-201689, website:aits-hyd.org, E-mail:principalaith@gmail.com

Date:

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This is to certify that the major project report entitled “HYBRID POWER GENERATION USING SOLAR, WIND AND PIEZOELECTRIC ENERGY SOURCE”

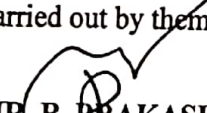
submitted by


ALOK KUMAR JHA(16T81A0303) ,


P. SAI ROHITH (16T81A0318),

MOUDOJI SRINIVAS(17T81A0314)

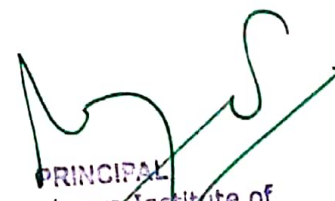
in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.


MR. B. PRAKASH
Assistant Professor
(Project Guide)


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512


MR. B. JEEVAN KUMAR
Head of the Department
HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
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EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

MAJOR PROJECT REPORT
ON
"PIPE LINE INSPECTION ROBOT"

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted

By

K.PRADEEP KUMAR	16T81A0315
A.RAM KUMAR	16T81A0316
B.SAI TEJA	16T81A0319

Under The Esteemed Guidance Of

Mr.MD JAVEED

ASST.PROFESSOR

MECHANICAL DEPARTMENT



Department of Mechanical Engineering


ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

(Affiliated to JNTU, Hyderabad & NAAC "A" GRADE)

Hayathnagar (M), R.R(D), Hyderabad-501512

2016-2020

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Date:

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This is to certify that the project report entitled

“PIPE LINE INSPECTION ROBOT”

submitted by

K.PRADEEP KUMAR	16T81A0315
A.RAM KUMAR	16T81A0316
B.SAI TEJA	16T81A0319

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** under **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them during the academic year 2016-2020 under my guidance and supervision.

by Javed
PROJECT GUIDE
Mr.MD JAVEED

JW
HEAD OF THE DEPARTMENT
Mr.B.JEEVAN KUMAR
M.E. in Mechanical Engineering
D. Ph. in Mechanical Engineering
Annamacharya Institute of Technology and Sciences
Piglipur (V), Batasingaram (Post),
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Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

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[Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512

A
Major Project Report
on
“DESIGN AND FABRICATION OF SHAFT DRIVEN
BICYCLE
”

Submitted in the Partial Fulfillment of the Requirements

For the Award of the Degree of
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

Submitted

By

UDEM NIKHIL REDDY	(17T85A0306)
PANJUGULA PRASAD	(17T85A0307)
ENUMULA NAGARAJU	(17T85A0304)

Under The Esteemed Guidance Of

MR. BHARATH KUMAR

M.TECH

ASST. PROFESSOR

MECHANICAL DEPARTMENT

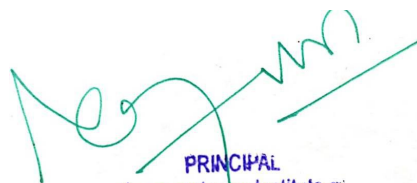


Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

Hayathnagar (M), R.R(D), Hyderabad-5015

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08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date:.....

CERTIFICATE

This is to certify that project title **“DESIGN AND FABRICATION OF SHAFT DRIVEN BICYCLE”** is a bonafide work carried over by

UDEM NIKHIL REDDY (17T85A0306)

PANJUGULA PRASAD (17T85A0307)

ENUMULA NAGARAJU (17T85A0304)

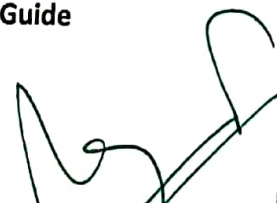
In partial fulfillment of the requirements for the award of the degree Bachelor of Technology in Mechanical Engineering from Jawaharlal Technology University, Hyderabad (academic year 2016-2020).


Mr. BHARATH KUMAR


Internal Guide


Mr. B. JEEVAN KUMAR

Head of Department of ME
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External-Examiner


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

**A
MAJOR PROJECT REPORT
ON
"FABRICATION OF ELECTRICAL POWER GENERATION FROM SPEED
BREAKER USING RACK AND PINION MECHANISM"
Submitted to**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted

By

VEMULA SAIDARAO	17T85A0313
BAJAM VIJAY	17T85A0315
GUNDLAPALLY SANDEEP REDDY	16T81A0320

Under The Esteemed Guidance Of

MR. R.UPENDAR

ASST.PROFESSOR

MECHANICAL DEPARTMENT



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

(Affiliated to JNTU, Hyderabad & NAAC "A" GRADE)

Hayathnagar (M), R.R(D), Hyderabad-501512

2016-2020


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Department of Mechanical Engineering

Annamacharya Institute of Technology and Sciences-Hyderabad

(Accredited by NAAC with 'A' Grade, recognized by UGC with 2(f) & 12(b) & permanent Affiliation to JNTUH)

08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date:

CERTIFICATE

This is to certify that the project report entitled


“FABRICATION OF ELECTRICAL POWER GENERATION FROM SPEED BREAKER USING RACK AND PINION MECHANISM”

submitted by

VEMULA SAIDARAO	17T85A0313
BAJAM VIJAY	17T85A0315
GUNDLAPALLY SANDEEP REDDY	16T81A0320


In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** under **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them during the academic year **2016-2020** under my guidance and supervision.


MR. R. UPENDAR
PROJECT GUIDE


MR. B. JEEVAN KUMAR
HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER


PRINCIPAL
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Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

**A Major Project Report
On
“Automatic Gear Shifting”**

Submitted in the Partial Fulfillment of the Requirements

**For the Award of the Degree of
BACHELOR OF TECHNOLOGY**

**In
MECHANICAL ENGINEERING**

Submitted

By

S. SRIDHAR REDDY	16T81A0324
N. NAGARAJU	17T85A0305
KOTI VIJAY KUMAR	17T85A0316

Under The Esteemed Internal Supervisor Of

**MR. SAYANNA
M.TECH.(PH.D),LLB.
ASST.PROFESSOR**

**IN
MECHANICAL DEPARTMENT**



**Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE
Hayathnagar (M), R.R (D), Hyderabad-501512**

1

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CERTIFICATE

This is to certify that project title "AUTOMATIC GEAR TRANSMISSION" is a bonafide work carried over by

S. SRIDHAR REDDY

16T81A0324

N. NAGARAJU

17T85A0305

KOTI VIJAY KUMAR

17T85A0316

In partial fulfillment of the requirements for the award of the degree Bachelor of Technology in Mechanical Engineering from Jawaharlal Technology University, Hyderabad (academic year 2019-2020).

HEAD OF THE DEPARTMENT
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Piglipur (V), Batasingaram (P), R.R. Dist-501 512

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Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

**A Major Project Report
On
SOLAR POWERED AUTOMATED IRRIGATION WATER PUMP CONTROLLER WITH VOLTAGE PLOT ON MATLAB "**

Submitted in the Partial Fulfillment of the Requirements

**For the Award of the Degree of
BACHELOR OF TECHNOLOGY**

**In
MECHANICAL ENGINEERING**

Submitted

By

SANDAPUR VENKATESH	16T81A0326
RAGULA RAVITEJA	17T85A0311
MANDAVA SAITEJA	17T85A0312

Under The Esteemed Guidance Of

MR JAVEED

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

Hayathnagar (M), R.R(D), Hyderabad-501512

(Affiliated to JNTU, Hyderabad)

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08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

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This is to certify that project title "Design And Analysis Of V6 Engine Piston" is a bonafide work carried over by

SANDAPUR VENKATESH	16T81A0326
RAGULA RAVITEJA	17T85A0311
MANDAVA SAITEJA	17T85A0312

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y. Javed
Internal Guide .. Head of Department of ME External-Examiner
HEAD OF THE DEPARTMENT
Principal, Annamacharya Institute of Technology and Sciences,
Pithapur (V), Batasingaram (Post), R.R. Dist. HYD-501 512

ACKNOWLEDGMENT

The successful completion of any tasks would be in complete without the monition of the people who made it possible v
onstant guidance and encouragement crowns all the efforts with success.

We take this opportunity to express my gratitude to all those who helped me to carry out this project successfully. We expri
y profound gratitude for their valuable guidance and support. We owe my sincere gratitude to our principal Dr P.V.KRISH
MURTHY and also to our college committee members for giving their encouragement that helped me to complete the pro
ccessfully.

[Signature]
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Pithapur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

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A
MAJOR PROJECT REPORT ON
“CFD FLOW ANALYSIS OF A REFRIGERANT
INSIDE ADIABATIC CAPILLARY TUBE”

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of
BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted

By

K.NARSHIMHA REDDY 16T81A0312

N.UDAY KIRAN 16T81A0325

E.MALLESH 17T85A0302

Under The Esteemed Guidance Of

MR. SRINIVASULU

ASST.PROFESSOR

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Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE
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Hayathnagar (M), R.R(D), Hyderabad-501512
2016-2020

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Department of Mechanical Engineering
Annamacharya Institute of Technology and Sciences-Hyderabad
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permanent Affiliation to JNTUH)
08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

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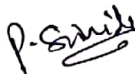
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"CFD FLOW ANALYSIS OF A REFRIGERANT
INSIDE ADIABATIC CAPILLARY TUBE"
submitted by

K.NARASHIMHA
N.UDAY KIRAN
E.MALLESH

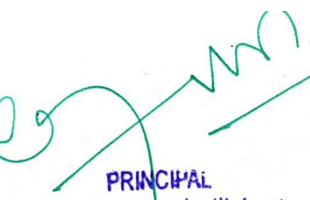
16T81A0312
16T81A0325
17T85A0302

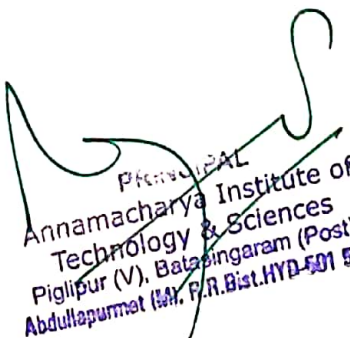
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MR.SRINUVASULU
PROJECT GUIDE


MR.B.JEEVAN KUMAR
HEAD OF THE DEPARTMENT
HEAD OF THE DEPARTMENT
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Annamacharya Institute of Technology & Sciences
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Abdullapurmet (M), R.R. Dist. HYD-501 512

A
MAJOR PROJECT REPORT
ON
"SOLAR BASED AIR COMPRESSOR PUMP FOR CAR, BIKE TIRE
INFLATE"

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted

By

SHAIK HAFEEZ	16T81A0308
NADIMIDODDI BHEEMAI AH	17T85A0301
J RAMESH	17T85A0309

Under The Esteemed Guidance Of

Ms T SRIKANTHI

ASST.PROFESSOR

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Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

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Hayathnagar (M), R.R(D), Hyderabad-501512.

2016 - 2020

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Date.....

CERTIFICATE


This is to certify that the project report entitled


“Solar based air compressor pump for car, bike tire inflate”

Submitted by

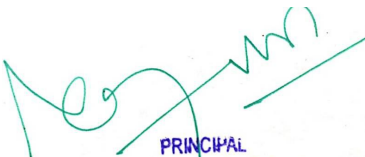
SHAIK HAFEEZ	16T81A0308
NADIMIDODDI BHEEMAIAH	17T85A0301
J RAMESH	17T85A0309

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** under **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them during the academic year 2016-2020 under my guidance and supervision.



Ms.T SRIKANTHI
PROJECT GUIDE


MR.B JEEVAN KUMAR
HEAD OF THE DEPARTMENT
Department of Mechanical Engineering
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Technology & Sciences
Pitapur (V), Balasongaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

**A Major Project Report
On
“Electricity Generation Through Radiator Heat” (BATCH:5)
Submitted in the Partial Fulfillment of the Requirements**

**For the Award of the Degree of
BACHELOR OF TECHNOLOGY**

**In
MECHANICAL ENGINEERING**

Submitted

By

BUTTA NAGARAJU	17T85A0303
MANTHRALA PRASHANTH REDDY	17T85A0308
DILLI ARAVIND KUMAR	16T81A0305

Under The Esteemed Guidance Of

MR S SIVA KUMAR

ASST.PROFESSOR

MECHANICAL DEPARTMENT



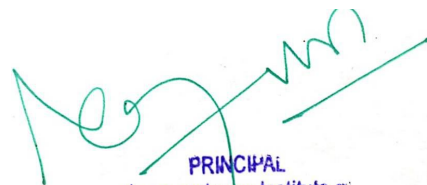
Department of Mechanical Engineering

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Hayathnagar (M), R.R(D), Hyderabad-501512

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Department of Mechanical Engineering

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Date:.....

CERTIFICATE

This is to certify that project title "**Electricity Generation Through Radiator Heat**" is a bonafied work carried over by

BUTTA NAGARAJU	17T85A0303
MANTHRALA PRASHANTH REDDY	17T85A0308
DILLI ARAVIND KUMAR	16T81A0305

In partial fulfillment of the requirements for the award of the degree Bachelor of Technology in Mechanical Engineering from Jawaharlal Technology University, Hyderabad (academic year 2019-2020).



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Head of Department of ME

External-Examiner

HEAD OF THE DEPARTMENT
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Annamacharya Institute of Technology and Sciences
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ii


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College Code: T8

ESTD: 2005

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur (V), Batasingaram (Post), Abdullapurmet(M), R R.Dist.,Hyderabad-501512.

(Approved by AICTE, Recognized by the GOVT.of T.S., Permanent Affiliation from JNTUH, Hyderabad.)

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, HYD				
DEPARTMENT OF MECHANICAL ENGINEERING				
MAJOR-PROJECT 2020-21				
S.NO.	TITLE	GUIDE	BATCH	H.T NUMBER
1	DESIGN AND OPTIMISATION OF HIGH SPEED MOTORISED SPINDLE	R. UPENDHAR	M.SRAVAN KUMAR	18T85A0318
			B.MAHESH	18T85A0307
			K.HARI KIRAN	17T81A0302
2	DESIGN AND ANALYSIS OF AIRCRAFT WING WITH RIBS AND SPARS USING COMPOSITE MATERIALS	S.SIVA KUMAR	L.SAI ESHWAR	18T85A0317
			V.MUKESH	18T85A0308
			SREEMAN	18T85A0319
			P.NAGARAJU	16T81A0311
3	MODELING AND ANALYSIS OF A ROCKET BASED COMBINED CYCLE ROCKET NOZZLE	BHARAT KUMAR	S.PAVAN KUMAR	18T85A0312
			G.VAMSHI KUMAR	18T85A0320
			N.NAVEEN KUMAR	17T81A0303
4	MODELING AND ANALYSIS OF GAS TURBINE COMBUSTION CHAMBER	P.SRINIVASALU	K.PRASANTH	18T85A0313
			K.MUTHYALA RAO	18T85A0309
			M.VAMSHI DEVA	18T85A0321
			D. SAI KUMAR	18T85A0316
5	FABRICATION AND TESTING OF EPOXY RESIN BASED GLASS FIBRE COCONUT FIBRE COMPOSITES USING HAND LAYUP METHOD	B.PRAKESH	P.SHEKAR	16T81A0322
			S. ADITHYA RAJ	18T85A0301
			A.V.YASHWANTH	17T81A0308
			B.SANDEEP KUMAR	17T81A0306
6	FABRICATION OF SEMI AUTOMATIC GEAR SHIFTING MECHANISM	MD JAVEED	A.ADITYA	16T85a0301
			A.ANIL KUMAR	17T81A0301
			D. BALA GANESH	18T85A0302
			R.OM PRAKESH	18T85A0311
7	DESIGN AND ANALYSIS OF COMPOSITE MATERIALS FOR PROPELLER IN AIR CRAFT	T.SRIKANTHI	A.AJAY KIRAN	16T81A0301
			V.BHARGAV	18T85A0303
			B.NARESH BABU	18T85A0310
			K.PRAVEEN	18T85A0314
			SAI RAJESH	16T81A0317


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Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. MYD-501 512

A
MAJOR PROJECT REPORT
ON
“DESIGN AND OPTIMIZATION OF HIGH-SPEED
MOTORIZED SPINDLE”

Submitted in partial fulfilment of the requirement for the award of the
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEER

Submitted by

BAKKY MAHESH	(ROLL NO: 18T85A307)
MAMINDLA SRAVAN KUMAR	(ROLL NO: 18T85A0318)
KATAM HARI KIRAN	(ROLL NO: 17T81A0302)

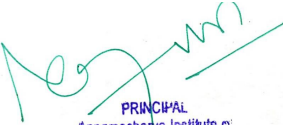
Under the esteemed guidance of

Mr. R. UPENDAR

Assistant Professor

Dept of Mechanical Engineering

AITH, Hyderabad.


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Subbulpurmet (M), R.R. Dist. HYD-501 882



Submitted to

Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Piglipur, Batasingaram (v), Hayat Nagar (M), R.R. Dist., Hyderabad

2018-2021

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Piglipur, Batasingaram (v), Hayat Nagar (M), R.R. Dist., Hyderabad



CERTIFICATE

This is to certify that the project report entitled “**DESIGN AND OPTIMIZATION OF HIGH-SPEED MOTORIZED SPINDLE**” being submitted by

- | | |
|---------------------------------|------------------------------|
| 1. BAKKY MAHESH | (ROLL NO: 18T85A307) |
| 2. MAMINDLA SRAVAN KUMAR | (ROLL NO: 18T85A0318) |
| 3. KATAM HARI KIRAN | (ROLL NO: 17T81A0302) |

in a partial fulfilment of the requirements for the award of degree in **MECHANICAL ENGINEERING**, is a record of the Bonafede work carried out by them during the academic year **2020-2021** under our guidance and supervision.

Under Guidance

Mr. R. UPENDAR

Head of the Department

Mr. JEEVAN

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HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512

A
Major Project Report
On
Submitted to
**DESIGN AND FINITE ANALYSIS OF AIRCRAFT WITH RIBS AND SPAR
USING COMPOSITE MATERIALS**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

By
VELKATURI MUKESH-18T85A0308
LATCHIPATULA SAI ESWAR RAO-18T85A0317
CHERUKURI SREEMAN-18T85A0319
P.NAGARAJU-16T81A0311

Under the esteemed guidance of

Mr. S. SIVA KUMAR

M.TECH

Assistant Professor

MECHANICAL DEPARTMENT

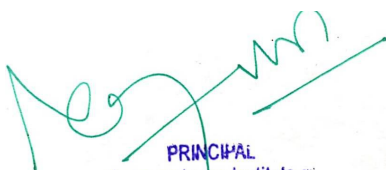


Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

Hayathnagar (M), R.R(D), Hyderabad-501512

(Affiliated to JNTU, Hyderabad)


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Department of mechanical Engineering

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Date:

CERTIFICATE

This is to certify that the project report entitled

**"DESIGN AND FINITE ANALYSIS OF AIRCRAFT WITH RIBS AND SPAR
USING COMPOSITE MATERIALS"**

submitted by

**VELKATURI MUKESH-18T85A0308, CHERUKURI SREEMAN-18T85A0319
LATCHIPATULA SAI ESWAR RAO-18T85A0317,P.NAGARAJU-16T81A0317**

in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL
ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of
bonafide work carried out by them under my guidance and supervision.

Mr.S. SIVA KUMAR
Assistant Professor
Project Guide

Mr.B.JEEVAN KUMAR
Head of the Department

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EXTERNAL EXAMINER

A

Major Project Report

On

**MODELING AND ANALYSIS OF A ROCKET BASED COMBINED
CYCLE ROCKET NOZZLE**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

SATHURIPAVAN KUMAR 18T85A0312

KUNAPRASHANTH 18T85A0313

GATTU VAMSHI KUMAR 18T85A0320

NAGOLU NAVEEN REDDY 17T81A0303

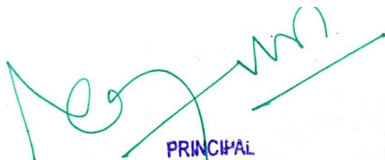
Under the esteemed guidance of

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M.TECH

Assistant Professor

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This is to certify that the project report entitled" **MODELING AND ANALYSIS OF A ROCKET BASED COMBINED CYCLE ROCKET NOZZLE** " submitted by

NAGOLU NAVEEN REDDY **17T81A0303**
SATHURIPAVAN KUMAR **18T85A0312**
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GATTU VAMSHI KUMAR **18T85A0320**

in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.

BHARATH KUMAR
Assistant Professor
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EXTERNAL EXAMINER

A
Major Project Report
On

**DESIGN AND ANALYSIS OF GAS TURBINE COMBUSTION
CHAMBER**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

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KOVVALI MUTHYALA RAO 18T85A0309

DHARAVATH SAI KMAR 18T85A0316

P SHEKAR 16T81A0322

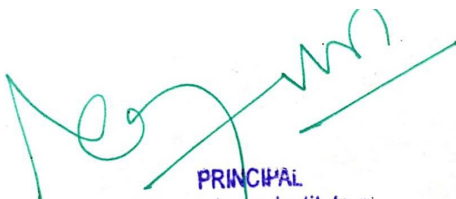
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This is to certify that the project report entitled "**DESIGN AND ANALYSIS OF GAS TURBINE AND COMBUSTION CHAMBER**" submitted by
MUNGARA VAMSI DEVA-18T85A0321,
KOVVALI MUTHYALA RAO-18T85A0309, DHARAVATH SAI KUMAR-
18T85A0316, P SHEKAR-16T81A0322

in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.

P Srinivasulu

Mr.P.SRINIVASULU

Assistant Professor

Project Guide

Mr.B.JEEVAN KUMAR

Head of the Department

EXTERNAL EXAMINER

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A

Major Project Report

On

**FABRICATION AND TESTING OF EPOXY RESIN BASED GLASS FIBRE
COCONUT FIBRE COMPOSITES USING HAND LAYUP METHOD**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

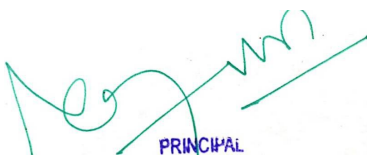
MECHANICAL ENGINEERING

By

S. ADITHYA RAJ	(18T85A0301)
A.V.YASHWANTH	(17T81A0308)
BATTULA SANDEEP	(17T81A0306)
R. ADITHYA	(16T85A0301)

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This is to certify that the project report entitled "**FABRICATION AND TESTING OF EPOXY RESIN BASED GLASS FIBRE COCONUT FIBRE COMPOSITES USING HAND LAYUP METHOD**" submitted by

S. ADITHYA RAJ	(18T85A0301)
A.V.YASHWANTH	(17T81A0308)
BATTULA SANDEEP	(17T81A0306)
R. ADITHYA	(16T85A0301)

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.

Mr. B. PRAKASH
Assistant Professor
Internal Guide

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Head of the Department

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EXTERNAL EXAMINER

A
MAJOR PROJECT REPORT
ON
“ELECTROMAGNETIC GEAR SHIFTING MECHANISM IN
TWO WHEELERS”

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEER

Submitted by

R.OM PRAKASH	(ROLL NO: 18T85A0311)
A. ANIL KUMAR	(ROLL NO: 17T81A0301)
D. BALA GANESH	(ROLL NO: 18T85A0302)
K. AJAY KIRAN REDDY	(ROLL NO: 16T81A0301)

Under the esteemed guidance of

Mr. MD. JAVEED


M.TECH

Assistant Professor

Dept of Mechanical Engineering,



Submitted to


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Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Pitlipur, Batasingaram (v), Hayat Nagar (M), R.R. Dist., Hyderabad

2018-2021

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Piglipur, Batasingaram (v), Hayat Nagar (M), R.R. Dist., Hyderabad



CERTIFICATE

This is to certify that the project report entitled “**ELECTROMAGNETIC GEAR SHIFTING MECHANISM IN TWO WHEELERS**” being submitted by

R.OM PRAKASH	(ROLL NO: 18T85A0311)
A. ANIL KUMAR	(ROLL NO: 17T81A0301)
D. BALA GANESH	(ROLL NO: 18T85A0302)
K. AJAY KIRAN REDDY	(ROLL NO: 16T81A0301)

in a partial fulfilment of the requirements for the award of degree in **MECHANICAL ENGINEERING**, is a record of the Bonafede work carried out by them during the academic year **2020-2021** under our guidance and supervision.

Under Guidance

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Head of the Department

Mr. JEEVAN

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Abdullapurmet (M), R.R. Dist. MYD-501 502

A
Major Project Report
On
Submitted to

**DESIGN AND ANALYSIS OF COMPOSITE MATERIAL FOR PROPELLER
IN AIR CRAFTS**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

VANAM BHARGAV-18T85A0303

BANOTH NARESH BABU-18T85A0310

KORLAKUNTA.PRAVEEN-18T85A0314

SHEKAR SAI RAJESH-16T81A0317

Under the esteemed guidance of

Miss.T.SRIKANTHI

M.TECH

Assistant Professor

MECHANICAL DEPARTMENT

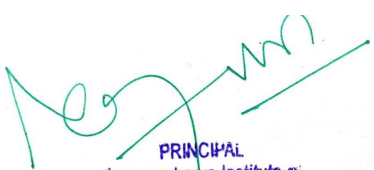


Department of Mechanical Engineering

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Department of mechanical Engineering

Annamacharya Institute Of Technology and Sciences-Hyderabad

(Accredited By NAAC With A Grade, recognized by UGC With 2(f)& 12(b)& permanent
Affiliation to JNTUH)

08415-201689, website:aits-hyd.org, E-mail:principalait@gmail.com

Date:

CERTIFICATE

This is to certify that the project report entitled " **DESIGN AND ANALYSIS OF COMPOSITE MATERIAL FOR PROPELLER IN AIR CRAFTS**" submitted by **VANAM BHARGAV-18T85A0303, BANOTH NARESH BABU-18T85A0310, K.PRAVEEN-18T85A0314, SHEKAR SAI RAJESH-16T81A0317** in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.

Srikanth

Miss.T.SRIKANTHI
Assistant Professor
Project Guide

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Pigilpur (V), Balasingheram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

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Mr.B.JEEVAN KUMAR
Head of the Department

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pigilpur (V), Balasingheram (P), R.R. Dist-501 512

EXTERNAL EXAMINER



College Code: T8

ESTD: 2005

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur (V), Batasingaram (Post), Abdullapurmet(M), R R.Dist.,Hyderabad-501512.

(Approved by AICTE, Recognized by the GOVT.of T.S., Permanent Affiliation from JNTUH, Hyderabad.)

Accredited by "NAAC" with "B+" Grade, Recognized by UGC Under Section 2(f) and 12(B).

Mobile: 9848924705

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S.No.	H.T.NO	Student Name
1	18T81A0303	K.MAHESHBABU
2	18T81A0304	E.NAVEEN GOUD
3	18T81A0305	S EJITH REDDY
4	19T85A0301	MUTTINENI AJAY KUMAR
5	19T85A0303	ANDRALA DINESH
6	19T85A0304	PATRI HRUDAY KUMAR
7	19T85A0305	GANGADEVI JOSHNA
8	19T85A0306	KASANAGOTTU KOUSHIK SAI
9	19T85A0308	NIKHIL NERELLA
10	19T85A0309	DORNALA SANDEEP
11	19T85A0310	RAPOLU SHIVA PRASAD
12	19T85A03011	PANUGANTI SHRAVAN KUMAR
13	19T85A0312	PEDAKANTI SOUNDARYA
14	19T85A0313	TULSIDHARI TEJASWI
15	19T85A0314	NADIMIPALLY UDAY
16	19T85A0315	GANGIREDDY VAJRENDHAR REDDY
17	17T81A0304	J PRABHAKAR
18	17T81A0305	LATTUPALLY RANJITH REDDY
19	17T81A0307	M SANTHOSH
20	18T85A0305	ARRA DINESH
21	18T85A0306	KOPPOLU JAYAVAMSHI
22	17TA1A0301	BALA.ESHWAR
23	185T5A0321	AJEEM SHAIK
24	185T1A0322	TIKKA VIVEK
25	195T5A0301	ANUBOTHU PRASHANTH KUMAR
26	195T5A0302	AVADARAPU DURGA PRASAD
27	19T5T5A0303	BACHANAGONI MALLIKARJUN
28	195T5A0304	BODDUPALLY MADHAVACHARY
29	195T5A0305	GANGULA VENKATESH
30	195T5A0306	KISTA. SHESHUGOPAL
31	195T5A0307	KOMATI BHARATHWAJ
32	195T5A0308	KOMIRELLI NAGARAJU REDDY
33	195T5A0309	M SHEKAR
34	19T5A0310	PARUCHURI KEERTHANA
35	195T5A0311	RAMAVATH SAIRAM NAYAK


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HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512

A
Major Project Report

On

**MECHANICAL CHARACTERIZATION OF CALOTROPIS – GIGANTEA
COMPOSITE LAMINATE**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfilment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

SHAIK AJEEM	(185T5A0321)
TIKKA VIVEK	(185T5A0322)
A. PRASHANTH KUMAR	(195T5A0301)
M. SHEKAR	(195T5A0309)

Under the esteemed Supervision of

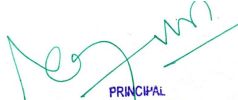
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Assistant Professor
MECHANICAL DEPARTMENT



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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Hyderabad-501512 (Affiliated to JNTU, Hyd)**


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Piglipur (V), Balakrishna (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512



Department of mechanical Engineering
Annamacharya Institute Of Technology and Sciences-Hyderabad
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Date: 06/07/2022


CERTIFICATE


This is to certify that the project report entitled “MECHANICAL CHARACTERIZATION OF CALOTROPIS – GIGANTEA COMPOSITE LAMINATE”

submitted
by

SHAIK AJEEM	(185T5A0321)
TIKKA VIVEK	(185T5A0322)
A. PRASHANTH KUMAR	(195T5A0301)
M. SHEKAR	(195T5A0309)

In partial fulfilment for the Degree of Bachelor of Technology in MECHANICAL ENGINEERING to Jawaharlal Nehru Technological University is a report of bonafide work carried out by them under my guidance and supervision.


Mr. BHARATH KUMAR
Assistant professor
M. Tech
INTERNAL GUIDE


Dr. SAYANNA GORRE
Associate professor,
B.E., M.Tech., Ph.D., LL.B
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PRINCIPAL
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Dabalingharam (P), R.R. Dist-501 512

A
Major Project Report

On

**DESIGN AND ANALYSIS OF BEACON LIGHT IN FUSELAGE
STRUCTURE OF AN AIRCRAFT**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

B.MADHAVACHARY (195T5A0304)
K.BHARATHWAJ (195T5A0307)
K.NAGARAJU REDDY (195T5A0308)
K. SUMANTH (17TA1A0306)

Under the esteemed Supervision of

**Mr. P. SRINIVASULU
M.TECH
Assistant Professor
MECHANICAL DEPARTMENT**



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PRINCIPAL
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Professor (V), (Researcher Post)
Abdullapurmet (M), R.R. Dist., AP(D-501 502)

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Mr.P.SRINIVASULU

Assistant Professor

M.TECH

Internal Guide



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Associate Professor

B.E.,M.TECH., PH.D.,LL.B

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EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT
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A

Major Project Report On

DESIGN AND ANALYSIS OF PROPELLER SHAFT BY USING COMPOSITE STEEL MATERIALS

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

E. NAVEEN GOUD (18T81A0304)
K. JAYA VAMSHI (18T85A0306)
N. NIKHIL (19T85A0308)
P. SHRAVAN KUMAR (19T85A0311)

Under the esteemed guidance of

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M.TECH

Assistant Professor
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Date..05/07/2022

CERTIFICATE

is is to certify that the Minor project report entitled " DESIGN AND ANALYSIS OF
ROLLER SHAFT BY USING COMPOSITE STEEL MATERIALS" submitted by

E. NAVEEN GOUD (18T81A0304)
K. JAYA VAMSHI (18T85A0306)
N. NIKHIL (19T85A0308)
P. SHRAVAN KUMAR (19T85A0311)

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Signature

Mr. R. UPENDAR(M.TECH)

Assistant Professor

Internal Guide

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A

Major Project Report

On

DESIGN & ANALYSIS OF EXHAUST MANIFOLD OF FOUR WHEELER

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

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P. SOUNDARYA

19T85A0312

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Date: 06-07-2022


CERTIFICATE
This is to certify that the project report entitled "**DESIGN & ANALYSIS OF
EXHAUST MANIFOLDFOUR WHEELERS**" submitted by

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N. UDAY 19T85A0314

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL
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work carried out by them under my guidance and supervision.


Mr. R. UPENDAR
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A
Major Project Report

On

DESIGN & WEIGHT OPTIMIZATION OF LOWER CONTROL ARM

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

J. PRABHAKAR	17T81A0304
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S. EJITH REDDY	18T81A0305
A.DINESH	19T85A0303

Under the esteemed guidance of

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Date: 06/07/2022

CERTIFICATE


This is to certify that the project report entitled "DESIGN & WEIGHT
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In partial fulfillment for the Degree of Bachelor of Technology in MECHANICAL
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Assistant Professor

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Associate Professor
Head of the Department

Head of the Department

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EXTERNAL EXAMINER

A

Major Project Report

on

"FABRICATION OF SEMI-AUTOMATIC MATERIAL CARRIER FOR MINING"

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

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G.VAJRENDHAR REDDY (19T85A0315)
M.SANTHOSH (17T81A0307)

Under the esteemed guidance of

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Assistant Professor

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Date: 06.10.7.2022

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This is to certify that the project report entitled “FABRICATION OF SEMI-
AUTOMATIC MATERIAL CARRIER FOR MINING”
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G.VAJRENDHAR REDDY (19T85A0315)

M.SANTHOSH (17T81A0307)

in a partial fulfilment of the requirements for the award of degree in
MECHANICAL ENGINEERING, is a record of the Bonafide work carried
out by them during the academic year 2019-2022 under our guidance and
supervision.


Internal Guide

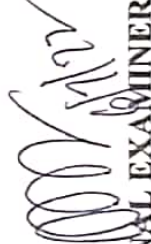
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EXTERNAL EXAMINER

A
MAJOR PROJECT REPORT

ON

“PERFORMANCE AND EMISSION ANALYSIS OF CI ENGINE USING
PONGAMIA OIL”

SUBMITTED TO

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ,HYDERABAD

PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

BY

A. DURGA PRASAD	(195T5A0302)
B. MALLIKARJUN	(195T5A0303)
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R. SAIRAM NAYAK	(195T5A0311)

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Date: 06/07/2022


CERTIFICATE


This is to certify that the project report entitled “**PERFORMANCE AND EMISSION ANALYSIS OF CI ENGINE USING PONGAMIA OIL**” submitted by

A. DURGA PRASAD	(195T5A0302)
B. MALLIKARJUN	(195T5A0303)
P. KEERTHANA	(195T5A0310)
R. SAIRAM NAYAK	(195T5A0311)

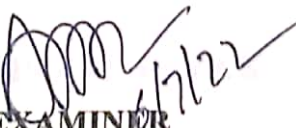
in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawahar Lal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.


Mr. B. JEEVAN KUMAR
(M.E)
Assistant professor
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EXTERNAL EXAMINER

A
Major Project Report

On

**STUDY OF MULTIPURPOSE AGRICULTURE MACHINE
USING SOLAR ENERGY**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfilment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

B. ESHWAR	(17TA1A0301)
B. NARESH	(185T1A0301)
G. VENKATESH	(195T5A0305)
K. SHESHUGOPAL	(195T5A0306)


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Date: ..06..07..2022

CERTIFICATE

This is to certify that the project report entitled “**STUDY OF MULTIPURPOSE
AGRICULTURE MACHINE USING SOLAR ENERGY**”

submitted

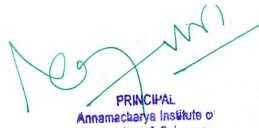
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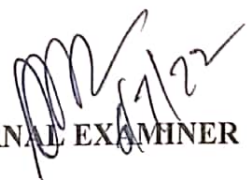

Mr. KOTRESH M.C

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EXTERNAL EXAMINER

A
Major Project Report On
**DESIGN AND ANALYSIS OF HELICAL TUBE IN
COIL TYPE HEAT EXCHANGER**

Submitted to
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD
In Partial fulfillment of the Requirement for the Award of the degree of
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

By
L.RANJITH (17T81A0305)
D.SANDEEP (19T85A0309)
T.TEJASWI (19T85A0313)

Under the esteemed guidance of
BHARATH KUMAR
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Signature
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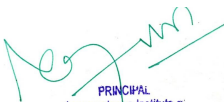
CERTIFICATE

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L.RANJITH	(17T81A0305)
D.SANDEEP	(19T85A0309)
T.TEJASWI	(19T85A0313)

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.


BHARATH KUMAR
M.Tech
Assistant Professor
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EXTERNAL EXAMINER

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Piplipuri (V), Bheemaperum (P), R.R. Dist-501 612

A

Major Project Report

ON

“INVESTIGATION OF SINGLE POINT
INCREMENTALFORMING USING SOLID LUBRICANT”

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

K. KOUSHIK SAI (19T85A0306)

A. DINESH (18T85A0305)

P. HRUDAY KUMAR (19T85A0304)

G. JOSHNA (19T85A0305)

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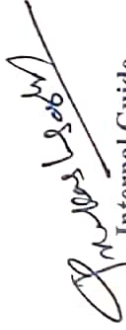
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POINT INCREMENTAL FORMING USING SOLID LUBRICANT”

submitted by

K. KOUSHIK SAI	(19T85A0306)
A. DINESH	(18T85A0305)
P. HRUDAY KUMAR	(19T85A0304)
G. JOSHNA	(19T85A0305)

In a partial fulfillment of the requirements for the award of degree in
MECHANICAL ENGINEERING, is a record of the Bonafide work carried out by them
during the academic year **2018-2022** under our guidance and supervision.


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EXTERNAL EXAMINER
i 6/1/22


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College Code: T8

ESTD: 2005

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur (V), Batasingaram (Post), Abdullapurmet(M), R R.Dist.,Hyderabad-501512.

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DEPARTMENT OF MECHANICAL ENGINEERING H.T.LIST (AY 2022-23) MAJOR PROJECT WORK

S.NO.	PROJECT TITLE	H.T.NO.	STUDENT NAME
1	STRESS ANALYSIS OF CYLINDRICAL SHELL DUE TO SADDLE SUPPORT BY L.P ZICK METHOD	19T81A0304	MAMILLA SATHWIK REDDY
2		20T85A0305	NUNE.RAJESH KUMAR
3		19T81A0305	SMITH PATEL
4		19T81A0303	BUDUMARAKESH
5	ANALYSIS AS PER ASME CODE OF CYLINDRICAL SHELL THICKNESS FOR EXTERNAL PRESSURE CONDITION	20T85A0306	VENNAMPALLI ROHITH
6		19T81A0301	ARUNKUMAR CHALLA
7		20T85A0309	SEELAM SANDEEP
8		18T85A0302	MUDAVATHA GANESH
9	DESIGN AND ANALYSIS OF SKIRT SUPPORT AND ANCHOR BOLT FOR VERTICAL POSITIONED EQUIPMENT	20T85A0307	RAVIRALASAIKRISHNA
10		20T85A0304	PALEM.PRASAD
11		20T85A0302	K KALYAN
12	NOZZLE PRESSURE LOAD ANALYSIS DUE TO CONNECTEDE PIPE USING RESEARCH COUNCIL ANALYSIS METHODS	20T85A0301	HARIKRISHNA
13		20T85A0310	KOBBAJI VINAY KUMAR
14		20T85A0303	CHELKA PRABHAKER


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Abdullapurmet (M), R.R. Dist. HYD-501 512

**STRESS ANALYSIS OF CYLINDRICAL SHELL DUE TO SADDLE
SUPPORT BY L.P ZICK METHOD**

**A Major Project Report
Submitted To**



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

In Partial fulfillment of the requirement

For the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

By

M. SATHWIK REDDY	(19T81A0304)
N. RAJESH KUMAR	(20T85A0305)
SMITH PATEL	(19T81A0305)
B. RAKESH	(19T81A0303)

Under the Guidance of

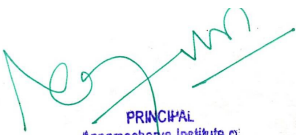
R.UPENDAR M.TECH

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Department of Mechanical Engineering in Bachelor of Technology
Piglipur, Batasingaram (v), Hayathnagar (M), R. R. Dist.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Piglipur, Batasingaram (v), Hayathnagar (M), R. R. Dist

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the work embodies in this dissertation entitled 'STRESS ANALYSIS OF CYLINDRICAL SHELL DUE TO SADDLE SUPPORT BY L.P ZICK METHOD' being submitted by 'M.SATHWIK REDDY -19T81A0304, N.RAJESH KUMAR -20T85A0305, SMITH PATEL -19T81A0305, B. RAKESH -19T81A0303' for partial fulfillment of the requirement for the award of Bachelor of Technology in Mechanical Engineering to Annamacharya institute of Technology and Sciences, Piglipur, Batasingaram(V),R.R. district, Telangana State, during the academic year 2022-2023 is a record of bonafide work, undertaken by him under the supervision of the undersigned.

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EXTERNAL EXAMINER
Ch. Ch. Sandeep Kumar

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A MAJOR PROJECT REPORT ON
**ANALYSIS AS PER ASME CODE OF CYLINDRICAL SHELL
THICKNESS FOR EXTERNAL PRESSURE CONDITION**
A REPORT SUBMITTED
IN PARTIAL FULFULLMENT OF THE REQUIREMENT FOR THE AWARD OF
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING
BY


V. ROHITH	20T85A0306
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(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUH, Hyderabad-501512)

(2022-2023)

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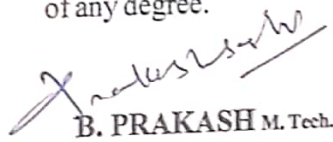
This is to certify that the project work entitled.

**“ANALYSIS AS PER ASME CODE OF CYLINDRICAL SHELL
THICKNESS FOR EXTERNAL PRESSURE CONDITON”**

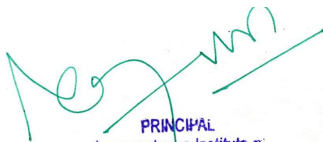
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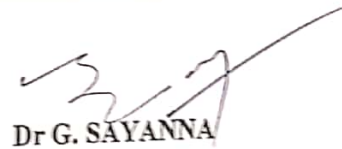
In partial fulfillment of the award of Bachelor of Technology in Department of Mechanical Engineering in ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Piglipur, Batasingaram, Hayathnagar, Hyderabad during the academic year (2022-2023). The above work is carried out under the supervision of the internal and external supervisor. This work has not been submitted to any other university/college for the reward of any degree.


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The major project submitted for the External viva voice Examination on _____

INTERNAL EXAMINER


EXTERNAL EXAMINER

A
Major Project Report
On
**DESIGN AND ANALYSIS OF SKIRT SUPPORT AND ANCHOR BOLT
FOR VERTICAL POSITIONED EQUIPMENT**
Submitted To

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
In Partial fulfillment of the requirement For the award of the degree of
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

Submitted by

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I


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This is to certify that the project report entitled

**DESIGN AND ANALYSIS OF SKIRT SUPPORT AND ANCHOR BOLT
FOR VERTICAL POSITIONED EQUIPMENT**

being submitted by

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(Dr. Ch. Sandeep Kumar)

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A

MAJOR PROJECT
REPORT ON

**"NOZZLE PRESSURE LOAD ANALYSIS DUE TO CONNECTED PIPE
USING WELDING RESEARCH COUNCIL ANALYSIS METHOD"**

Submitted by
Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Submitted by

G. HARIKRISHNA	(20T85A0301)
C. PRABHAKER	(20T85A0303)
K. VINAY KUMAR	(20T85A0310)

Under the esteemed supervision
of

**Mr. KRISHNAPADA
SINHA**

M Tech, (Manufacturing
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**Dept. of Mechanical engineering,
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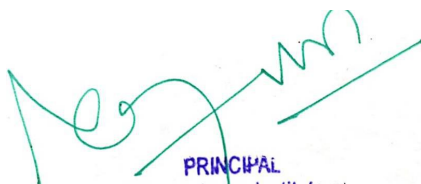
Submitted to

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i


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CERTIFICATE

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“NOZZLE PRESSURE LOAD ANALYSIS DUE TO CONNECTED PIPE USING WELDING RESEARCH COUNCIL ANALYSIS METHOD”


Being submitted by

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K. VINAY KUMAR (20T85A0310)

In a partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them during Academic year 2022-2023 under our supervision and supervision.


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[Dr. Ch. Sandeep Kumar]

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