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This Certificate is awarded to

M.SOUNDAR RAJAN

from

SENGUNTHAR ENGINEERING COLLEGE

has presented a paper on titled

COMPARATIVE STUDIES OF COMPRESSIVE STRENGTH ON DIFFERENT BRICK MASONRY PRISMS

1st International Virtual Conference on INNOVATIONS IN CONCRETE AND CONSTRUCTION (ICON 2021)

organised by Department of Civil Engineering, Sona College of Technology, Salem - 636005.

on 25th & 26th June, 2021.

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This is to certify that SOUNDAR RAJAN M has presented a paper titled *"MATHEMATICAL PREDICTION OF THE MASONRY BEHAVIOR STRENGTH AND ELASTICITY UNDER COMPRESSION"* in virtual at the National Conference on Sustainable Materials and Smart Practices (NCSMSP'21) organized by Department of Civil Engineering, Bannari Amman Institute of Technology, Sathyamangalam during 17th and 18th December 2021.

Co Authors: D.JEGATHEESHWARAN

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titled EXPERIMENTAL INVESTIGATION ON LIGHT WEIGHT CONCRETE USING COCONUT SHELL AS COARSE AGGREGATE WITH ADDITION OF GLASS FIBRE in the 4th International Conference on **NexGen Technologies - 2022** held on 28th May 2022.

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S.No.	Name of the Faculty	Name of conference attended	Title of the Paper	Amount of Support
1	Dr.M.Sakthivel	International Conference on Management engineering ,Science and Humanities	Failure predictive model of CNC Machine based on Machine Learning(Supprt vector Machine)	500
2	DR.S.Radha	International Conference on Management engineering ,Science and Humanities	The use of Extreme Value Theory for Forecasting Long - Term Substation Maximum Electricity Demand.	500
3	Dr. G.Jayamurugan	International Conference on Management engineering ,Science and Humanities	An Efficient Product Rating based On Customer Emotion using Native Baye's Algorithm	500
4	MR.G. Mohesh kumar	International Conference on Management engineering ,Science and Humanities	Research on Text Classification Algorithm based on Bilstm-WS Attention	500
5	Dr.M.Sakthivel	4th International Conference on NexGen Technologies	Android Application for Student Management System	500
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SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS) has presented a paper

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This is to certify that ~~Dr./~~ Mr./~~Ms~~ P. GOPINATH AP/ECE of SENGUNTHAR ENGINEERING COLLEGE, TIRUCHENGODE (AUTONOMOUS) has presented a paper titled EFFECTIVE CARGO LOAD MANAGEMENT USING ENBEDDED SYSTEM. in the 4th International Conference on **NexGen Technologies - 2022** held on 28th May 2022.

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in the 12 INTERNATIONAL CONFERENCE OF COMPUTER COMMUNICATION AND INFORMATICS 2022 held from 25-27 january 2022

A.

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This certificate is presented to Ponmurugan P, of Bannari Amman Institute of Technology, Sathyamangalam as the first author of the paper EPICS21061 for presenting the paper entitled "IOT based Water Quality Monitoring System with Chloro Neutraliser" in the International Conference on Energy Power Integrated Circuits and Systems (EPICS - 2021) organized by the Department of Electrical and Electronics Engineering, during 22 -23 December 2021.

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This is to certify that author(s) **Ponmurugan P** have contributed a paper entitled **Performance Metric Evaluation of A Nonlinear Fractional Order PID Controller based on an Extended State Observer for Permanent Magnet Synchronous Motor Speed Control** to the Second International Conference on New Age Systems and Automation Technologies - ICNAAT-2021 held during 9-10 July, 2021.

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This is to certify that author(s) **Maheswari K T, Srimathi R,Jaanaa Rubavathy S, Ponmurugan P, Chandraprakash K, Dhayanithi M S** have contributed a paper entitled **Smart Security and Home Automation using Internet Of Things and Artificial Intelligence** to the Second International Conference on New Age Systems and Automation Technologies - ICNAAT-2021 held during 9-10 July, 2021.

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SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS), TIRUCHENGODE has presented a paper

titled MAXIMUM POWER POINT TRACKING (MPPT) FOR PHOTOVOLTAIC (PV) POWER

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DESIGN AND ANALYSIS OF SAND SIEVING MACHINE

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Abstract— **Sand is an important element in the construction of buildings. Sand is utilized in building at many phases, from the foundation to the finishing work. Sieving is a method of separating particles from a mixture based on particle size differences. It uses sieve machine for separation of coarse particles from finer particles. Sieve machine have meshed or perforated bottoms which allow only particles of a specific size to pass through it. In our project is "Design & Analysis of Sand Sieving Machine", it's useful to the construction field, but major problem in helical spring vibration. The design created in Creo parametric software and analysis using Ansys software. By using two different heights of the spring, the vibration is improved. To check the natural frequency based on modal analysis Ansys software is used. Finally, it's compared to the existing model.**

I. INTRODUCTION (*HEADING 1*)

The purpose of a sieving machine is to remove big grains by passing them through a sieve. Separation occurs when sand is put on top of a filter with holes of varied diameters. The first ssieving is done to remove sand with a size larger than that of a standard withholding sand filter, and the second sieving is done to remove sand with a size smaller than that of a typical withholding sand filter. small to ignore the sand filter. A sieve is a device that uses a woven screen such as mesh, net, or metal to separate desired elements from undesired material or to characterize the particle size distribution of a sample.

A machine member, excited by some external source, repeats its motion by itself after a certain interval of time. this motion is called vibration. vibrations can be grouped in to two categories based on the load applied. if a member is blown once with an impact load and allowed to vibrate freely, then it is called as free vibration. if the excitation continues repeatedly, then it is forced vibration. damping the vibrating member is one among the important aspect in vibration control.

The concept of vibration shaker takes the concept of gravity, where the material will tend to go down when there is an empty place. Because the large material will generate a larger gap that can be easily introduced by small material, it will be easier for a little material to reach the lower point of the large

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PERFORMANCE ANALYSIS AND EFFICIENCY IMPROVEMENT OF COOLING TOWER AT MTPS-I

Mr. N.THIRU SENTHIL ADHIBAN[1], M.SUKEL AHAMED[2], S.SUGUMAR[3], P.NETHAJI[4]

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Abstract - *In thermal power station one of the main part is condenser which cools the hot water. When cooling the hot water, it becomes cold water. The how water temperature is reduced by the cooling tower. When hot water enters into the cross flow induced draft cooling tower and sprayed by the nozzle, so that hot water is converted into cold water. The effective cooling water is depends upon wet bulb temperature, dry bulb temperature, size and height. This project deals with analysis of cooling tower which is one of the deciding factors used for the power plant efficiency.*

Key Words: *Wet bulb temperature, dry bulb temperature, cooling water range, cooling water approach, inlet air and water temperature, outlet air and water temperature etc.*

1.INTRODUCTION

The Mettur thermal power station is the Tamilnadu electrical board's inland thermal power facility. Industrial development is critical to the country's economic success. The facility is on Stanley reservoir's left edge, on the Ellis Surplus route. The major goal of the 840MW Mettur Thermal Electricity Station is to meet the power needs of the state of Tamilnadu's industrial centers. Work on the project began in 1981, and the first unit was commissioned in 1987. The last three units were put into service in 1987, 1989, and 1990, respectively.

1.1 SCOPE OF THE PROJECT

The scope of the project is to find the energy conservation opportunities in Mettur Thermal Power Station by following methods:

- To find the various opportunities in cooling tower casing, fan blade material and fan blade angle.
- Through replacement of motors to reduce the current and horse power.
- To optimize the blow down rate.
- To restrict flows through the large loads to design values.
- To increase the cooling tower efficiency.

2.COOLING TOWER

The cooling system conjointly includes any machinery accustomed operate the tower and any tanks, pipes or valves. A cooling is instrumentality accustomed cut back the temperature of the water by extracting heat from water and emitting to the atmosphere. cooling build use to evaporation wherever by a number of the water is gaseous into a moving air stream and afterward discharged into the atmosphere. As a results the reminder of the water is cooled down considerably. cooling square measure able to lower the water temperature over devices that use solely air to reject heat just like the radiator within the automobile and square measure thus most value effective and energy economical. cooling square measure employed in air con system for refrigeration or to cool down materials in industrial processes. cooling square measure devices that use close air to cool down water. A cooling system might contain one or a lot of cooling that use identical recirculating water.

2.1 HOW DOES A COOLING TOWER WORKS?

In a cooling tower system, the fan pushes or attracts air from the atmosphere into the tower to cool down recirculating water. Warm water, that has removed heat from associate air-con, refrigeration or process, enters the highest of the tower. because the water falls through the tower recent air is forced through it. This recent air cools the water. The cooled water then falls to a storage basin before being recirculates through system once more.

2.2 TYPES OF COOLING TOWER

The section describes about the types of cooling tower they are:

Types of draft in cooling tower

- Natural draft cooling tower
- Mechanical draft cooling tower
  1. Forced draft cooling tower
  2. Induced draft cooling tower

Types of water and air flow in cooling tower

- Cross flow
- Counter Flow

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BED WITH ATTACHED COMMODE FOR PATIENT AND ELDERS

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Abstract— Aim of this project is to develop a mechanical system for washing urination or defecation of patients in bed. Automatic discharge processing system, can nursing urination or defecation of patients in bed. when the patient excretes, to press the button can perceive automatically, pull out the excrement and smash into pieces, and then store them into dirtily bucket. Then the nozzles spray clean water to clean patient private part and excrement collection bucket automatically.

I. INTRODUCTION

A cot is a generally for rest or sleeping while staying in the same placed. cot to develop a better toileting aid for bedridden patients to replace conventional incontinence products such as absorbent products, indwelling urinary catheters, and bedpans, although without much success. Automatic urine and faeces disposal systems that detect, transport, and store urine and faeces temporarily for future disposal have been developed. For better excretion care, we developed a toilet integrated medical bed that is easy to use for both patients and carers. The toilet basin was incorporated onto the pelvis plate of the bed, and the fluid waste in the toilet basin was collected into a plastic bag through a curved waste storage tube attached to the toilet basin. He was able to urinate and defaecate without the help of a career. Independent urination and defaecation helped restore his dignity considerably. This medical bed with an embedded toilet could be a promising solution for excretion care of bedridden patients.

II .EXISTING SYSTEM Vs PROPOSED SYSTEM

This facility is available only in hospital. It consume more manpower. We proposed system for paralyzed patient for private use. We over come with less Manpower

III. METHODOLOGY

While making cot (5ft) for commode use, first part (1ft) steel designed toward up direction and same procedure followed as downward direction. Mid part (3ft) fitted horizontally. Button turn on to run the motor to push back used enable potions to is it and relax, the seat can adjust 40 to 45 through rack and pinion gear. For commode use, moving plate, move downward through lead commode use, moving plate, moving downward through leads screw by switching on the push button. commode move centre from and it has separate button to on after the usage of patient, wastes collected through the pipe for the disposal. And commode movie through towards the original position and moving plate, moves upward to its initial position

ASMART AERIAL LOTUS REMOVING MACHINE FOR LAKE AND RIVER

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***Abstract*—** The project emphasizes on design & construction of river and lake cleaning mechanism. The technique has proven to be effective in cleaning floating solid trash from the river's surface. This technique strives to achieve its social goal of cleaning rivers and other bodies of water. Its operating principles are based on the customarily used methods of using conveyors, but it has an alarming alteration to the mechanism to improve its efficiency. However, these approaches are dangerous, expensive, time consuming, and necessitate a large crew. The operated river cleaning machine was developed by taking into account all of the parameters of river and lake surface cleaning systems and eliminating the disadvantages of all of the ways mentioned previously created and built to aid in the effective, efficient, and environmentally friendly cleaning of river surfaces. Water hyacinth is a native of the Amazon Basin and one of the world's most toxic aquatic weeds, according to the study. The development of water hyacinth in temperate, tropical, and sub-tropical waterways is aided by a lack of natural enemies and nutrient-rich water bodies. When the weed's rapid mat-like spread covers areas of fresh water, it produces a slew of socio-economic and environmental issues. The mechanical method is the most cost-effective in terms of control, followed by biological, manual, and chemical methods. The focus of this project is on the design and construction of a river trash cleaning machine. "Aerial lotus River and Lake Cleaning Machine" is a machine that removes waste particles from the water's surface and safely disposes of it. The operation was carried out in response to the current state of our national rivers, which are dumping crores of liters of sewage and are clogged with pollutants, hazardous compounds, and debris, among other things.

I. INTRODUCTION

The River and lakeaerial lotus removing machine used in that places where there is waste debris in the water body which are to be removed. This machine consists of different
The size of the fins in which garbage will collect between them. This also lessens the problems we have when collecting debris. In this machine, one end of the fins is fixed and the other is movable; we lift the fins from the moveable side using servo motors. All of the waste debris is collected in a tank near the boat's stern. This will eventually result in less water contamination and, as a result, fewer aquatic animals will perish as a result of these issues. This project will be used to clear surface water debris from bodies in rivers, ponds, lakes, and other water bodies. Aquatic weeds are uncontrolled plants that develop and finish their life cycle in water, causing direct and indirect harm to aquatic ecosystems and related eco-environments. Water is one of the most vital natural resources on the world, and it serves as the foundation for all life forms. Pumps and turbines in super thermal and hydroelectric power plants can be damaged by aquatic weeds, lowering electric production and increasing power plant maintenance costs. Many aquatic plants are valuable because they have the potential to reduce agricultural, residential, and industrial pollution for a limited time. Many aquatic weeds have the potential to assist fish production by supplying a steady supply of phytoplanktons. The aquatic plant's phytoremediation capability can be further boosted by using cutting-edge phytoremediation techniques. In order to show the extensive applicability of phytoremediation, a summary assessment of the use of aquatic plants in phytoremediation has been compiled. The selection of plants species is the most significant aspect for successful phytoremediation.

II .EXISTING SYSTEM

DESIGN AND ANALYSIS OF GOODS ELEVATOR

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Abstract--In our project to design the goods elevator based on cabin. It's useful to the transportation of component one place to another place in manufacturing industry. The conventional steel cabin is replaced by new steel model design. The Goods lifts design created in Solid Works software and structural analysis in Ansys software.

1.INTRODUCTION

Many developments have happened in recent years in industries such as manufacturing, computing, and software. They have made great advancements in a variety of fields. By pushing the switch or button, you call a metal box that transports you from one floor to another with safely. In fact, an elevator is mandatory for a building which has more than four to five floors high. This article discusses about goods elevator and how does it works.

2.PROBLEM IDENTIFICATION

Total load of goods lift is carrying on the cabin it leads to materialdeformation and to crack. So,thecabin material to need the maximum capacity, so conventional structure of cabin replaced by the proposed model. This new model is proposed for lifting load is easily on material transportation.

3.MATERIAL SELECTION

Steel is made up of carbon and iron, with much more iron than carbon. In fact, at the most, steel can have about 2.1 percent carbon. Mild steel is one of the most commonly used construction materials. It is very strong and can be made from readily available natural materials. It is known as mild steel because of its relatively low carbon content.

4.MODELING

All of the processes that lead up to the deployment of excellent software have modeling as a major component. Models are created to communicate our system's desired structure and behaviour. The architecture of the system is visualised and controlled using models.

Design and Analysis of Jet Nozzle in Laser Cutting Machine

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Abstract: *Due to the ultra-flexibility of the cutting conditions, high quality end product, quick set up, non- mechanical interaction between the work piece and the tool, and tiny size of the heat affected zone, lasers are frequently utilised in industry for cutting tools. Copper is a common material for nozzle manufacturing. Because copper is a moreexpensive material, the material selection process is done tofind the most cost-effective material for the nozzle. the various materials (Brass and Nickel) based on the temperature and heat flux values obtained from the thermalanalysis The optimal material for jet nozzle is determined based on the thermal analysis results, and the material is advanced through the implementation phase.*

1. INTRODUCTION

In the 1970s, lasers were initially employed for cutting. Laser cutting is more commonly utilised in current industrial manufacturing in sheet metal, plastics, glass, ceramics, semiconductors, and materials such as textiles, wood, and paper. The use of laser cutting in precision machining and micro-machining will expand significantly inthe next years.

The irradiation region warms up quickly as the concentrated laser beam meets the work item, melting or vaporising the material. The cutting process begins when the laser beam penetrates the work item; the laser beam proceeds along the contour and melts the material. A jet stream is typically employed to blow the melt away from the incision, leaving only a small gap between the cutting section and the frame.

2. LASER CUTTING METHOD

2.1 Fusion cutting

The work piece is partially melted during laser fusion cutting, and the molten material is expelled by airflow. Theprocedure is known as laser fusion cutting since the material is only transferred in its liquid condition. The laserbeam is accompanied by a high purity inert cutting gas thatallows the melted material to exit the slot, but the gas doesnot cut. Laser fusion cutting can cut at a faster rate than gasification. Gasification requires more energy than melting. The laser beam is only partially absorbed in laser fusion cutting.

2.2 Vaporization cutting

The surface temperature of the material gets to the boilingpoint so quickly during laser gasification that it avoids melting due to heat conduction. Some of the material vaporises into steam, while others are blasted away by thesupplementary gas flow from the slit's bottom. A very high laser power is necessary in this instance. The thickness of the material must not exceed the diameter of the laser beam to avoid material vapour from condensing into the slit wall. This method is only appropriate for applications that need the removal of molten material. It is only used ina few places for ferrous alloys.

2.3. Fracture-controlled cutting

Fracture-controlled cutting uses high speed and controllable laser beam heating to cut fragile materials prone to heat damage. The following is the primary element of this cutting procedure: The laser beam warms a small area of fragile material, generating a significant thermal gradient and severe mechanical deformation in the area, leading to material cracking. The laser beam can guide the fractures in any desired direction as long as the balanced heating gradient is maintained.

2.4 Oxidation melting cutting

In most cases, an inert gas is used for melting cutting. Whenemploying oxygen or any reactive gas, the material was lighted by the laser beam and violently reacts chemically with oxygen, producing another source of heat and further heating the material. This is known as oxidation melting cutting. Because of this effect, cutting speed for structural steel of the same

DESIGN AND ANALYSIS OF MULTIFACE HYDRAULIC BENDING MACHINE DIE

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ABSTRACT: The project is about designing a bending die for a Hindustan Hydraulic Press Brake machine. The company is Craft Engineering, and it is located in Malumichampatty, Coimbatore. It has been assigned the project of designing and manufacturing tools. The old design was ineffective. The component formerly required a larger number of dies for bending in the production process. The production cycle time is increasing, which necessitates greater room. Various causes were identified and solutions were developed using data gathered from the industry during this research. Component, formatting, style, styling, and insert are all keywords.

1. INTRODUCTION

In most cases, a die is installed in the press brake during bending. This is a channel-like portion that is stationary. The bend that will be formed is defined by the outside shape of the die. With the use of clamps, a tool is mounted to the machine's ram and has rounded edges that produce the bend's interior shape. The bending force is created by the punch, which is a moving part. The tool descends, applying pressure to the sheet metal. When the pressure exceeds the plastic limit of the sheet metal, the sheet metal goes through a plastic deformation stage and takes the shape of the die beneath it. The punch then goes upwards for the next cycle once the process is completed. This is it.

2. MACHINE DIE METHOD

2.1. SHEET METAL BENDING

The process of bending a metal is termed as bending. Sheet metal, tubes, square hollow, rod, and iron angle are all options for the metal. This metal has a thickness of its own. Several factors are taken into account while building bending machines, including the type of metal, the type of roller bender (power or manual), and the size of the bending machine. The capacity of the bending machine that can bend a sheet metal or tube is usually the only variation between different types of bending machines.

2.2. NEED OF AUTOMATION

The majority of the systems designed for bending dies necessitate the assistance of qualified and experienced die designers in making proper selections at various phases of process planning and die design. Most bending die design automation prototypes still suffer from the drawbacks of traditional expert system architecture and are unable to efficiently manage diverse information sources. Many studies have looked into using the finite element method (FEM) to optimise bending die design parameters. These methods, however, are impracticable for the planning and design stages of the deep drawing process due to the considerable calculation time and skill necessary to grasp the findings. Most sheet metal industries are currently experiencing a severe lack of experienced die designers. Furthermore, in the stamping industry, the mobility of experienced die designers has resulted in Sheet metal businesses all across the world are experiencing a great deal of difficulty.

2.3 V-BENDING

The most frequent punch and die bending method is V-bending. Bottoming, air bending, and coining are the three subgroups. Around 90% of all bending jobs are done with air bending and bottoming. According to the material thickness t, the table below can help you determine the minimum flange length b (mm) and inside radii ir (mm) (mm). You may also see the required die width V (mm) for such specs. A certain tonnage per meters is required for each process. This is depicted in the table as well. As you can see, thicker materials and narrower interior radii necessitate higher tonnage. The highlighted options are metal bending standards that are recommended.

DESIGN & ANALYSIS OF CONCRETE MIXTURE DRUM SHAFT

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Abstract— *The investigation, design modification, and analysis of a concrete mixer drum shaft are all included in this work. Concrete mixer machines are commonly used to manufacture concrete mixtures for use in construction and industries, such as concrete blocks, pipes, and sheets. The concrete mixture drum shaft was used in our project. The deformation, stress, strain, and safety factor of several materials (mild steel, carbon steel, and stainless steel) used to examine drum shafts. With the help of the Ansys programme, select the best material for the concrete mixture drum. As a result of the growing human population and the constant demand for housing, the construction and building industries are expanding on a regular basis.*

1. INTRODUCTION

Concrete, which is formed of cement, aggregates (gravel, sand, or rock), water, and admixtures, is one of the most demanding construction materials. Concrete ingredients are predesigned in order to get the finest possible quality. There is a risk of receiving very poor quality concrete if the elements are not combined properly or in the pre-determined proportions. Concrete mixers are machines that aid in the mixing of concrete and concrete paste materials into an useable state. In other terms, the mechanical concrete mixer, or simply the concrete mixer, is the machine that is used to mix concrete.

2. TYPES OF CONCRETE MIXERS

There are two broad types of concrete mixers:

1. **Batch mixers**
    a. Drum Types Mixer
        - Tilting drum mixers
        - Non-tilting drum mixer
        - Reversing drum mixer
    b. Pan Type Mixer
2. **Continuous mixers**

3. OBJECTIVE

The major goal of this project is to improve the drum shaft's durability and resolve several technical concerns. The mixer drum shaft has been proposed with composite fibre material. For the proposed new material, the present material (mild steel) is replaced by stainless steel and carbon steel materials. The structural analysis of this new mixer drum shaft should be performed using ANSYS software.

4. PROBLEM IDENTIFICATION

Some issues have been observed in mixer drum shafts that have been damaged as a result of variables such as material corrosion, material wear (crack) from prolonged use, and continued load. As a result, the mixer drum shaft has a short lifespan. To solve this

AUTOMATIC WATER TANK CLEANING MACHINE

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Abstract— *The goal of this project is to create a mechanical cleaning solution for home cylindrical water tanks. The mechanical system consists of a gear mechanism and brush adjustment linkages. PVC brushes are affixed to the connections' ends and bases. When the motor is turned on, the linkage connection rotates, causing the brushes attached to it to rotate, cleaning the tank's wall and base. The goal of this research is to reduce human l bor while also avoiding toxic effects on the health of those who enter the tank for cleaning.*

1. INTRODUCTION

According to recent studies, no automation-based machine is employed in the cleaning of overhead tanks. This is due to the tank placements' uneven shape and varying heights. With the results of the previous survey, an attempt was made to create a machine that would clean the tank using an automated procedure. An answer has devised a strategy for resolving the issue. Sintex tanks are used by around 71 percent of population in India. After doing research, it was discovered that workers have experienced numerous challenges, including continuous employment in filthy environments, irregular payment, and other factors. This endeavor could also be motivated by continuous work and sporadic salary. As a result, we came to the conclusion that cleaning the overhead tank utilising an automate' approach could be beneficial in resolving all of these issues. In this instance, the equipment is capable of cleaning the tank swiftly and easily. Electrical and Electronics Engineering Department.

2. EXISTING SYSTEM Vs PROPOSED SYSTEM

The goal of this research is to reduce human labour while also avoiding toxic effects on the health of those who enter the tank for cleaning.

Tank cleaning in a mechanical system is meant to give high safety, high efficiency, reduced cleaning time, and eliminate environmental contamination issues.

3. METHODOLOGY

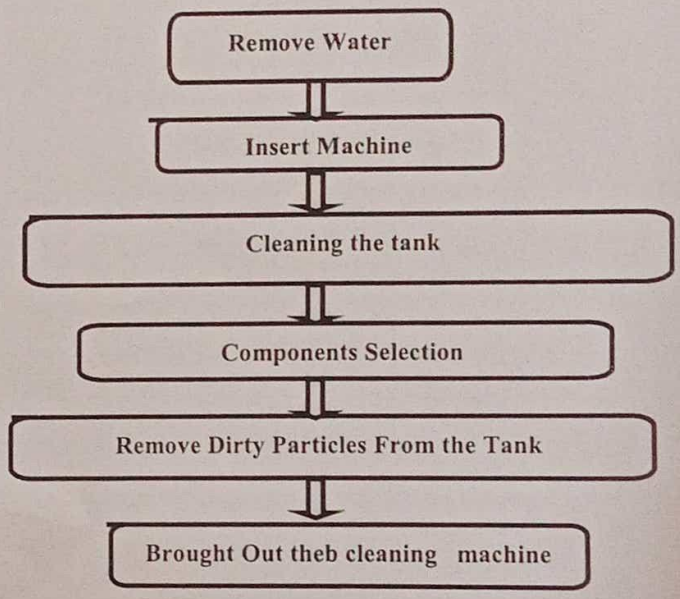

Fig : Methodology

The tank's whole contents are first removed. Detergent is then put on the tank's inner wall to make dirt removal easier. The cleaning arrangement is mounted on a frame near the water tank's opening, and manual rotation is given by a hand lever connected to a pinion gear that rotates in a clockwise manner. This causes the rack, which is attached to it, to move linearly downward, allowing the cleaning arrangement to enter

DESIGN AND FABRICATION OF FUEL FROM PLASTIC WASTE

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ABSTRACT-

Plastics have been ingrained in our daily lives and are now posing a significant environmental hazard. Plastics are produced in excess of 100 million tonnes per year around the world, and used products have become a common sight in overflowing bins and landfills. Despite efforts to develop futuristic biodegradable plastics, there have been few definitive steps toward resolving the current challenge. The method of transforming waste plastic into value-added fuels is described in this article as a possible alternative for plastic recycling. Pyrolysis occurs in the absence of oxygen and at a high temperature of around 300°C, which is why a reactor was built to generate the requisite temperature. Converting waste plastics into gasoline has a lot of potential in terms of both the environment and the economy. As a result, the process of converting plastics to gasoline has turned challenges into opportunities to gain money from waste. Oil from plastic conversion provides two advantages. First and foremost, the oil produced can be utilised as a home fuel as well as in automobiles and industry after additional refinement. Second, the many types of contamination that waste plastics generate can be reduced.

I. INTRODUCTION

Plastic was invented in 1860, but it was only in the last 30 years that it became widely used. Plastic is light, durable, adaptable, and hygienic. Polymers are lengthy chains of molecules that make up plastic. When a naturally occurring substance, such as crude oil or petroleum, is changed into another substance with radically different qualities, polymers are created. These polymers can be produced into granules, powders, and liquids, which can be used as plastic product materials. According to a statewide assessment done in the year 2000, India produced around 6000 tonnes of plastic, of which only 60% was recycled and the remaining 40% could not be disposed of. Plastics are produced in excess of 129 million tonnes per year around the world, with 77 million tonnes coming from petroleum.

II. PREPARATION OF FUEL FROM WASTE PLASTIC

Pyrolysis is the controlled burning of plastic waste into fuel. It is a method of heating materials in the absence of oxygen. The plastic polymer's macromolecular structure is broken down into smaller molecules. The presence of a catalyst, residence time, temperature, and other process factors can all tell us if the molecules of plastic waste can be further degraded or not. Catalytic pyrolysis refers to pyrolysis that takes place in the presence of a catalyst, whereas thermal pyrolysis refers to pyrolysis that occurs naturally without the use of a catalyst. Although, there are numerous methods for managing plastic trash, such as recycling, land filling, and depolymerization. HDPE, PP, PE, and LDPE are the most common plastics utilised in this process, and they are all transformed into fuel. These are the types of plastic that are abundant on our world. The method of transforming plastic into fuel is detailed in further detail. We'll need a container to hold all of the waste plastic that will be burned in order for the pyrolysis process to take place and convert the waste.

Design and Analysis of Cardan shaft

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*Abstract— **A cardan shaft is a rotating shaft that transmits power from the engine to the differential gear of a rear-wheel-drive vehicles cardan shaft must operate through constantly changing angles between the transmission and axle. Because of the continuous rotation, high vibration is occurred on it. Due this problem shaft tends to bend or deform .Major problem in cardan shaft is vibration. The design created in Creo parametric software and analysis using Ansys software. To check the natural frequency based on modal analysis in Ansys software. Finally, it's compared to the various shaft cut-out geometry.***

INTRODUCTION

The joints connect the cardan shaft to the gearbox, which are in charge of distributing torque from the transmission to the driving wheels at a steady pace. A variety of factors might produce vibration in a cardan shaft. Wearing U-joints or slip splines, out-of-balance components, yokes out of phase or misaligned angles, approaching critical speed range, and yoke ears that are not concentric with the splines are all typical causes of driveline vibration.

EXISTING SYSTEM

MR-based four-wheel-drive vehicles and vehicles with a short distance between the engine and axles.

The friction welding used at the junction contributes to the connection's increased strength, quality, and durability.

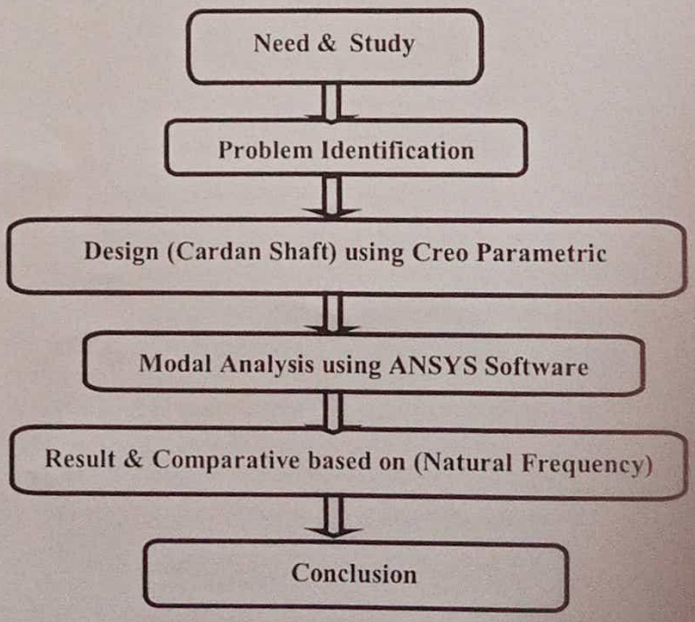
Vehicles with a considerable distance between the engine and the axles, as well as front engine front drive base four-wheel-drive vehicles, use it.

When the cardan shaft is divided into two or three segments, the critical number of revolutions is reduced, which prevents vibration issues when the shaft's overall length is increased.

PROPOSED SYSTEM

Almost all automobiles and locomotives have transmission shafts. The Weight reduction of the cardan (drive) shaft can have a certain role in the general Weight reduction of the vehicle and is a highly desirable goal, if it can be achieved without increase in cost and decrease in quality and reliability. It is possible to achieve design of modified cardan shaft with less weight to Increase the natural frequency of the shaft and to decrease the bending stresses using various stacking sequences.

METHODOLOGY



Design and Analysis of Concrete Mixer Drum

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ABSTRACT— Drum type concrete mixers are important part of the concrete mixers available today. They are most suited for small to large capacity machines. The ingredients for concrete (aggregates, sand, cement, and water) are combined inside the rotating drum. But it's not as simple as it appears; inside the drum, there are specially built flights that aid in mixing and unloading the contents. In our project is concrete mixture drum with blade optimization design creating in Creo parametric software and structural analysis using in Ansys software. The different material check drum based on deformation and safety factor. To choose the better material of concrete mixture drum with help of Ansys software

INTRODUCTION:

Concrete, which is formed of cement, aggregates (gravel, sand, or rock), water, and admixtures, is one of the most demanding construction materials. Concrete ingredients are pre-designed in order to achieve the highest possible quality. There is a risk of receiving very poor quality concrete if the elements are not combined properly or in the pre-determined proportions. Concrete mixers are equipment that aid in the mixing of concrete materials and the creation of a workable concrete paste. In other terms, the mechanical concrete mixer, or simply the concrete mixer, is the machine that is used to mix concrete.

EXISTING SYSTEM:

The mild steel material is used in concrete mixer drum. The mixer blade is placed in some length and radius at inside of drum. The efficiency is less in drum and blade.

PROPOSED SYSTEM:

Some excess of concrete as waste at rotating time. The carbon fiber material is used in concrete mixer drum. Change in length and radius of mixer blade. To improve high efficiency. To shortage the excess of concrete.

METHODOLOGY:

The main objective of this project work is to improve durability of drum and overcome some technical issues. The composite fibre material has proposed to the mixer drum. The material CFRP is chosen as raw material for proposed new material. This new mixer drum should be analysed structurally by using ANSYS software.

CARBON FIBRE:

Carbon Fiber, often known as graphite fibre, is a polymer. It is an extremely robust and lightweight material. Carbon fibre is five times stronger and two times stiffer than steel. Carbon fibre is stronger and stiffer than steel, but it is also lighter, making it a perfect production material for a variety of items. These are just a handful of the reasons why engineers and designers prefer carbon fibre for manufacturing. Carbon fibre is a material made up of tiny, strong crystalline carbon filaments that are used to reinforce it. Carbon fibre can be as thin as a strand of human hair and is twisted together like yarn to give it strength. The carbon

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VIBRATION ANALYSIS OF BLOCK MAKING MACHINE

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Abstract: *There have been a succession of building collapses in this country for some time now. The cause for this is due to the poor quality of the construction materials used. The adoption of a block-making machine will aid in the production of more solid, high-quality blocks in a shorter period of time, hence reducing the problem of collapsed buildings in our country. Blocks can usually be moulded by hand, but the importance of using a machine cannot be overstated because it allows for a simpler, faster, and less expensive method of making blocks. Block making machines are available in a variety of designs, styles, shapes, and sizes. No other concept or device has had as much of an impact on production as compute. Computers are used in all engineering fields for calculation, analysis, design, and analysis. Product producers must consider making two products during the Manufacturing phase of the product's lifecycle: the physical products that they have always created and the virtual product, which is information about the physical product. This virtual product has the potential to supply producers with a new source of revenue. The goal of this project was to design, develop, and analyse a block forming machine frame in order to create a more efficient and versatile machine.*

1.INTRODUCTION

The goal of the proposed project is to create a product that benefits society through its use, reduced energy consumption, and the development of small-scale companies and agriculture.

2.LITERATURE REVIEW

Paving block moulding equipment has been designed and produced to match the production parameters, according to Ella Sundari et al. (2020). The maximum number of paving blocks that may be manufactured per day using a paving block moulding tool is 640.

Prasad et al. (2017) assist in the development of a product that uses less electricity and labour. The use of coir pith product can prevent plant development during the summer season, in arid terrain, and when there is a mineral deficit in the soil.

The concrete block producing machine was designed by Yemane Zemicheal and Qi Houjun (2020) to produce four blocks at once. It may also make five blocks at once by adjusting the mould and tamper assembly to the required size. In addition to the compacting vibrating mechanism, the weight of the machine is taken into account while designing it, as well as the staff required to move it and the convenience of operation. The enhanced machine can produce hollow blocks both inside and outside of halls; all that is required is a levelled concrete floor. It can be made locally and with readily available materials.

Yakubu and Umar (2015) devised a multipurpose brick/block producing machine based on standard design calculations, which they subsequently built using simple fabrication techniques. The equipment was then utilised to manufacture inexpensive and high-quality bricks and blocks in accordance with the African Regional Standard for compressed earth blocks and the Nigerian Building and Road Research Institute (NBRRI) standard. The mould must be converted to a moveable mould that can hold pallets in order to make hollow masonry units. The machine, particularly the feeding and evacuation components, might be automated (mechanism). This will improve its performance as well as the operator's safety.

Rufus ogbuka Chime at el. (2016),recommend that the movable parts of this machine like the lifting arm be oiled properly before usage for easy movement since they carry heavy load. That the machine must be properly Installed, balanced before usage to withstand the vibration involved. The pulley, lifting arm and the vibrator should be inspected before usage The machine must be properly cleaned after the normal daily work to be free from sand and cement which can attack the parts and destroy them or the sand also causing friction in the machine. The combination of human creativity with computer technology provides the design efficiency that has made CAD such as popular designtool. CAD has allowed the designer to bypass much of the normal drafting and analysis that was previously required, making the design process flow more smoothly. In fact, software design should be encouraged in our institution of higher learning base on the following facts, long product development, countless trial and error and accountability and limited profitability.

DESIGN AND FABRICATION OFVEGETABLE CUTTER MACHINE

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Abstract

In the engineering sector, automation was all the rage. The examination into the present vegetable cutting machine looks at the disadvantages of manual processing, such as the high investment cost, contamination, additional labour, and time consumption. The pressure block is actuated by a pneumatic cylinder and has a reciprocatory motion along the vertical length of casing, while the cutting grid remains fixed, in this setup. The air supply to the cylinder is controlled by a microcontroller-controlled solenoid-actuated DCV. A pneumatic cylinder and a single bar mechanism govern the entry of vegetables into the grid system. Vegetables are fed by an angled tube. After the vegetable pieces have been processed, a tray is placed at the bottom of the equipment to collect them. The microcontroller controls the pressure level for cutting different vegetables. The type of veggies that such a system can process adds to its complexity. Because present automation is expensive and consumes a lot of energy, the system is advantageous. Pneumatic power, which is plentiful, is advantageous to the suggested work.

I. INTRODUCTION

Automation was all the rage in the engineering profession in the late 1990s. The brightest brains came together at all hours of the day and night to create big advancements that would have an influence in everyday life. Automation is now used in a variety of disciplines, including manufacturing, food processing, biomedical, and pharmaceutical industries. Domestic applications have also been designed with the ordinary man in mind in such a scenario. Processes that were formerly manual are gradually being changed to semi-automated and automated nature. Manual vegetable cutting is still common in educational institutions' dormitories, wedding catering services, and even restaurants that cater to a wide range of customer tastes and preferences. The quantity of vegetables to be sliced for the dishes is always greater than what is actually consumed. The related challenges, such as time constraints, contamination, and so on, make it difficult for anyone in charge of the job. Therein, arose a need to automate the process of vegetable cutting, and here we are with a proposal which can aid in easing the load off the people associated with it.

Existing automated vegetable cutterand its demerits

The automatic vegetable cutter is a Chinese manufactured one, currently available in the market. The cutter operates on the concept of 'rotating grid', wherein, the cutting grid is rotating inside a casing,powered by an ac motor. The vegetables are fed via the hopper arrangement, at the top. The cutting grid rotates at a high speed which cuts the vegetables as they pass through them. The cutting grids are varied according to the need of the customer. The shapes of the cut vegetable vary with the change in cutting grids.

The above-mentioned cutter has a few flaws in terms of functioning. To begin with, vegetable feeding is not automatic; instead, a person must dedicate time to feeding each vegetable individually until the proper quantity is sliced. The grids are then powered by a motor that consumes a lot of energy. The fact that the process must be electrically supplied continually for operation due to the variable power source is a drawback in and of itself. The initial investment in the cutter is the most critical factor. The cutter is estimated to cost between $ 3500 and $ 3500, including delivery and taxes. For individuals who manage a mid-level catering business, it is a significant investment. In light of all of these flaws, the concept for a pneumatics powered cutter is conceived.

The high cost of the existing automated system, power fluctuations, additional labour, time consumption in manual cutting, and the possibility of contamination in manual cutting are some of the primary challenges that were highlighted for the start of this operation.

Objectives

The fundamental goals of this research are to provide an alternative to the existing automated system, focusing on the initial investment component, and to power a home product with pneumatics, removing the associated challenges of manual vegetable cutting.

ANALYSIS OF FUEL TANK AND HOSE CLEANING IN GENERATOR

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Abstract*— The attached report, titled "Advanced Algorithm Development and Implementation of Enclosed Operation Detection and Shutoff for Portable Gasoline Powered Generators," summarises the findings of research conducted by the University of Alabama College of Engineering (UA) under a contract agreement with the United States Consumer Product Safety Commission (CPSC). 2 This study was conducted in support of the Consumer Product Safety Commission's (CPSC) advance notice of proposed rulemaking (ANPR) to address the carbon monoxide (CO) poisoning risk linked with the usage of portable generators.

I. INTRODUCTION

This is the project's final technical report, Advanced Algorithm Development and Implementation of Enclosed Operation Detection and Shutoff for Portable Gasoline Powered Generators. 1 The University of Alabama (UA) completed this project for the Consumer Product Safety Commission of the United States (CPSC). The project is a follow-on to contract CPSC-S-06-0079, which required UA to develop, test, and install an automatic engine shutoff (or shutdown, as the case may be) feature on a prototype generator built to operate with the same stoichiometric fuel control strategy and catalyst as the durability-tested prototype described in [1]. The purpose of this feature is to shut the engine off before the generator creates an unacceptable carbon monoxide (CO) exposure environment in the possible event that, when the prototype generator is operated in an oxygen depleted environment, its ability to meet its target CO emission rate is compromised.

II . ENGINEMANAGEMENT SYSTEM

It is vital to note that specific trade names (e.g., Nova, Labview, Matlab, etc.) or business products are stated throughout this book to sufficiently define the experimental processes and equipment used before moving on to the implementation details and experimental protocols. In no event does such identification imply University of Alabama staff sponsorship or recommendation, nor does it imply that the equipment is the best available for the job. The engine management system (EMS) of a gasoline-powered engine is designed to handle a variety of duties, including tracking engine position and synchronising fuel and spark timing. The engine control unit (ECU) is an electronic system with many inputs and outputs that improves engine performance. The ECU is responsible for controlling associated outputs to accomplish desired engine functioning and for executing pre-programmed computations based on data provided by engine sensors. The modular ECU's various inputs and outputs are detailed in the table below, which is comparable to the I/O list from the previous system.

METHODOLOGY:

SENGUNTHAR ENGINEERING COLLEGE

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TIRUCHENGODE - 637 205. NAMAKKAL (Dt) TAMILNADU

BSCIC ISO 9001 REGISTERED

4th International Conference on NexGen Technologies - 2022

Certificate of Presentation

This is to certify that ~~Dr./~~ Mr./~~Ms~~ SARAVANA KUMAR. V, AP/MBA of SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS) - TIRUCHENGODE has presented a paper titled HUMAN RESOURCES POLICIES AND ITS IMPLEMENTATIONS

_____ in the 4th International Conference on **NexGen Technologies - 2022** held on 28th May 2022.

Convener

Principal

Secretary & Correspondent

SENGUNTHAR ENGINEERING COLLEGE

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NAAC Accredited with 'A' Grade
TIRUCHENGODE - 637 205. NAMAKKAL (Dt) TAMILNADU

BSCIC ISO 9001 REGISTERED

4th International Conference on NexGen Technologies - 2022

Certificate of Presentation

This is to certify that ~~Dr.~~/ ~~Mr.~~/Ms UMA MAHESWARI. S, AP/MBA of SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS) - TIRUCHENGODE has presented a paper titled CAREER PLANNING AND DEVELOPMENT in the 4th International Conference on **NexGen Technologies - 2022** held on 28th May 2022.

28/5/22
Convener

Principal 28/5/2022

28.05.2022
Secretary & Correspondent

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TIRUCHENGODE - 637 205. NAMAKKAL (Dt) TAMILNADU

4th International Conference on NexGen Technologies - 2022

Certificate of Presentation

This is to certify that ~~Dr.~~/ Mr./~~Ms~~ SARAVANA KUMAR. V, AP / MBA of SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS) - TIRUCHENGODE has presented a paper titled RECRUITMENT AND SELECTION PROCESS in the 4th International Conference on **NexGen Technologies - 2022** held on 28th May 2022.

Convener 28/5/22

Principal

Secretary & Correspondent

SENGUNTHAR ENGINEERING COLLEGE

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NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU

Ref: SEC/Financial Support/Conference Participation /2021-2022/01 Date: 20.05.2022.

Submitted to the Correspondent for Approval:

Sir,

Sub: Requesting permission for accord financial support to present the papers in the National / International Conference - Reg.

We would like to bring to your kind consideration that we are in need of financial assistance to present the papers in the National / International Conference. Further, we kindly request you to accord permission to sanction the amount of Rs.500/- per article towards the presentation fee.

The Department wise amount detail is listed below for your kind perusal:

S.No.	Department	No. of Articles	Amount Required	Total Amount (in Rs.)
1	Civil Engineering	8	4000	29,500/-
2	Computer Science and Engineering	12	6000	
3	Electronics and Communication Engineering	9	4500	
4	Electrical and Electronics Engineering	12	6000	
5	Mechanical Engineering	15	7500	
6	MBA	3	1500	

Dean- R&D

PRINCIPAL

CORRESPONDENT

Copy To:

1. IQAC
2. HoDs
3. R&D File

No.

VOUCHER

Date : 21.06.2021

To M.Soundar Rajan, AP/civil

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
I St International Virtual Conference on Innovations in Concrete and Construction - Sona College of technology (ICON-2021) on 25th & 26th June 2021. Comparitive Studies of Compressive Strength on dibbrent Brick and masonry Prisms				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : five hundred Rupees only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature

PRINCIPAL 21/06/2021

TRUST 21.06.2021

VOUCHER

No.

Date : 10.12.2021

To. M. Soundar Rajan. AP/civil

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
National Confrence on Sustainable Materials and Smart practices. on 17th and 18th december 2021 (NCSMSP21) - Bannari amman Institute of technology Mathematical Prediction of the masonry Behavior Strength and Elasticity under compression.				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : five hundreal Rupees only.

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature

PRINCIPAL 10/12/2021

TRUST 10.12.2021

No.

VOUCHER

Date : 3.1.2022

To. M. Sounder Rajan, AP(Civil)

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Confrence on Management, Engineering, Science and humanities on 19th January 2022 on Builders Engineering College. STrength assesment on masonry prism.				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : five hundred Rupees only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature

TO AR

3/1/2022
PRINCIPAL

3.1.2022
TRUST

VOUCHER

No.

Date : 03.01.2022

To N. Kiruthiga AP/civil

Particulars	Rate Rs.	Rate P.	Nos.	Amount Rs.	Amount P.
International Confrence on management Engineering, Science and Humanities on 9th january 2022 - Builders Engineering College. planning Analasys and a Design of a Residental Building				500	00
Total Expenditure				500	00
(-) Advance Paid on........................					
Balance to be refunded / paid					

Received / Refunded Rs. : five hundred Rupees only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

To N. [illegible] 3/1/22
Signature

[illegible] 03/01/2022
PRINCIPAL

[illegible] 3.1.2022
TRUST

VOUCHER

No.

Date : 02.05.2022

To. M. SeeniRajan. ASSOC. Prof

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Confrence on NexGen Technologies on 28 may 2022 on Sengunthar Engineering College. Study on behavior of Concrete with Raw waste water and Partial Replacement of fine aggregate using Demolition waste				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : five hundred Rupess only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

2.5.22
Signature

2/5/2022
PRINCIPAL

02.05.2022
TRUST

No.

VOUCHER

Date : 23.05.2022

To. N. Kiruthiga AP/Civil

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th Internation Conference on Nexgen Technologies-2022 on 28th may 2022 Structural behaviour of Previous Concrete by using Synthetic Glass fiber mesh as reinforement				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred Rupees only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

N. Kiruthiga 23/5/22
Signature

PRINCIPAL 24/05/2022

TRUST 23.5.2022

VOUCHER

No.

Date : 24.05.2022

To M. Soundar Rajan, AP/Civil

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Confrence on NEXGen Technologies -2022. on 28th may 2022 Strength assesment of masonry prism				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred rupees only

Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

24/05/2022

PRINCIPAL

24.05.2022

TRUST

VOUCHER

No. Date : 25.05.2022

To Anand Kumar. S AP/Civil

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on NexGen Technologies - 2022 on 28th may 2022 Treatment of Domestic wastewater using Natural Coagulants				500	00
Total Expenditure				500	00
(-) Advance Paid on........................					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred Rupees only

Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FACULTY CONFERENCE PUBLICATION DETAILS

S.No.	Name of the Faculty	Name of conference attended	Title of the Paper	Amount of Support
1	Dr.M.Sakthivel	International Conference on Management engineering ,Science and Humanities	Failure predictive model of CNC Machine based on Machine Learning(Supprt vector Machine)	500
2	DR.S.Radha	International Conference on Management engineering ,Science and Humanities	The use of Extreme Value Theory for Forecasting Long - Term Substation Maximum Electricity Demand	500
3	Dr. G.Jayamurugan	International Conference on Management engineering ,Science and Humanities	An Efficient Product Rating based On Customer Emotion using Native Baye's Algorithm	500
4	MR.G. Mohesh kumar	International Conference on Management engineering ,Science and Humanities	Research on Text Classification Algorithm based on Bilstm-WS Attention	500
5	Dr.M.Sakthivel	4th International Conference on NexGen Technologies	Android Application for Student Management System	500
6	Dr.M.Sakthivel	4th International Conference on NexGen Technologies	Inward and Outward Library Management System	500
7	Dr. G.Jayamurugan	4th International Conference on NexGen Technologies	Office Account Management System	500
8	Dr. G.Jayamurugan	4th International Conference on NexGen Technologies	Android based Medical Emergency Help System	500
9	Dr. G.Jayamurugan	4th International Conference on NexGen Technologies	Product Aspect Ranking using Opinion Mining	500
10	Mr.K.Ashokkumar	4th International Conference on NexGen Technologies	C4.5 based Decision Tree for Student Grade Prediction System	500
11	Mr.K.Ashokkumar	4th International Conference on NexGen Technologies	Face 2 Face	500
12	Mr.K.Ashokkumar	4th International Conference on NexGen Technologies	NLP based Sentimental Analysis using ADAM Optimization with Artificial Neutral Network	500
			Total	6000

HOD 20/5/22

PRINCIPAL 20/5/22

Copy To:
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No.

VOUCHER

Date : 20.5.2022

To Mr. K. ASHOK KUMAR, AsP/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Next Gen Technologies on 28.5.2022 "Face 2 Face"				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : FIVE HUNDRED RUPEES ONLY (500/-)

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

20/5/22
Signature

PRINCIPAL

TRUST

VOUCHER

No.

Date : 20.5.2022

To. Mr. K. ASHOK KUMAR, ASP/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on NexGen Technologies on 28.5.2022 NLP based Sentimental Analysis using ADAM optimization with Artificial Neural Network				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : FIVE HUNDRED RUPEES ONLY (500/-)

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

20/5/22
Signature

PRINCIPAL

TRUST

No.

VOUCHER

Date : 20.5.2022

To. Dr. G. Jayamurugan, ASP/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Conference on Management Engineering, Science and Humanities on 19.1.2022 "An Efficient product Rating based on Customer Emotion using Native Baye's Algorithm"				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred rupees only (500/-)

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

G. Jayamurugan 25/5/22
Signature

PRINCIPAL

20.5.2022
For TRUST

VOUCHER

No.

Date : 20.05.2022

To Dr. M. SAKTHIVEL, HOD/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference On Nenotron Technologies on 28.5.2022 "Inward and outward Library Management System"				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Rupees only (500/-)

Signature 20/5/22

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

To PR TRUST 20.5.2022

No.

VOUCHER

Date : 20.5.2022

To Dr. M. SAKTHIVEL, HOD/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on NextGen Technologies on 28.5.2022 "Android Application for Student Management System"				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Rupees only (500/-)

Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

20.5.2022

VOUCHER

No.

Date : 20.5.2022

To Dr. M. SAKTHIVEL, HOD/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Confrence on Mangement Engineering, Science and Humanities on 19.1.2022 "Failure predictive model of CNC Machine based on Machine Learning (Support vector Machine)"				500	00
Total Expenditure				500	00
(-) Advance Paid on........................					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Rupees Only (500/-)

Signature 20/5/22

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL 20/5

To AR

TRUST 20.5.2022

VOUCHER

No.

Date : 20.5.2022

To Dr. S. Radha, ASP/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Conference on Management engineering, Science and Humanities on 29.1.2022 "The use of extreme Value Theory for forecasting Long-Term Substation Maximum Electricity Demand."				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Rupees only (500/-)

20/5/22
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

VOUCHER

No.

Date : 20.5.2022

To Mr. Gr. Mohesh Kumar, AP/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Conference on Management, Engineering, Science & Humanities. on 19.1.2022 "Research on Text Classification algorithm based on Bistm-WS Attention".				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Rupees only (500/-)

Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

To
OR
TRUST

20.5.2022

No.

VOUCHER

Date : 20-5-2022

To Mr. K. ASHOK KUMAR, AsP/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on New Gen Technologies on 28.5.22 "Ch.5 based Decision Tree for student intake Prediction system."				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : FIVE HUNDRED Rupees ONLY (500/-)

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Signature 20/5/22

PRINCIPAL

For TRUST 20.5.2022

VOUCHER

No.

Date : 20.5.2022

To Dr. G. Jayamurugan, ASP/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Next Gen Technologies on 28-5-2022 "Office Account Management system"				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : five hundred rupees only

(500/-)

G. Jayamurugan 27/5/22

Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

To BR 30.5.2022

TRUST

VOUCHER

No. Date : 20.5.2022

To Dr. G. Jayamurugan, ASP/CSE

Particulars	Rate Rs.	Rate P.	Nos.	Amount Rs.	Amount P.
4th International Conference on NexGen Technologies on 28-5.22 "Android based Medical Emergence Help system".				500	00
Total Expenditure				500	00
(-) Advance Paid on........................					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred rupees only (500/-)

G. [signature] 23/5/22
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

[signature] 20/5
PRINCIPAL

To PR [signature] 20.5.2022
TRUST

No.

VOUCHER

Date : 20.5.2022

To Dr. G. Jayamurugan, Asp/CSE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Next Gen Technologies on 28.5.2022 Product Aspect Ranking using Opinion mining.				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred rupees only

(500)

G. 23/5/22

Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

To JR

TRUST

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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU

ESTD 2001

ISO 9001 REGISTERED

Department of Electronics and Communication Engineering

FACULTY CONFERENCE PUBLICATION DETAILS

S.No.	Name of the Faculty	Name of conference attended	Title of the Paper	Amount of Support
1	Dr.C.Aarthi	International Conference on Management engineering ,Science and Humanities	VLSI Technology for Future Automotive and Mobility System	500
2	Dr.C.Aarthi	4th International Conference on NexGen Technologies	Online Networking Dashboard for Monitoring Vehicles	500
3	Mr.M.Arunkumar	International Conference on Management engineering ,Science and Humanities	Online monitoring of OBD parameters (Hardware Module)	500
4	Mr.M.Arunkumar	International Conference on Management engineering ,Science and Humanities	Online monitoring for On-Board Diagnosticts(Software Module)	500
5	Mr.P.Sivasankaran	International Conference on Management engineering ,Science and Humanities	AI Based Autonomous Car Driving Using Brainwaves	500
6	Mr.P.Gopinath	4th International Conference on NexGen Technologies	Artificial Intelligence Based Chat Bot For Patient Healthcare	500
7	Mr.M.Baskaran	4th International Conference on NexGen Technologies	Attendance Monitoring Systems for an Organization	500
8	Mr.V.Gowthaman	4th International Conference on NexGen Technologies	Android Based Internal Campus Navigation System	500
9	Mr.P.Gopinath	4th International Conference on NexGen Technologies	Effective Cargo Load Management Using Embedded System	500
			TOTAL(Rs)	4500

HOD 17/5/22

PRINCIPAL 17/5/2022

VOUCHER

No.

Date : 23.5.2022.

To Dr. C. Aarthi

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Conference on Management engineering, Science and Hunganities VLSI Technology for Future Automotive and Mobility System				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred Only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

23/5/2022.
Signature

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23.5.2022

To Dr. C. Aarthi

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Conference on Management, Engineering, Science and Humanities. Online Networking Dashboard for monitoring Vehicles.				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred only

23/5/22

Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

23/5/2022

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23/5/2022

To M. ARUNKUMAR AP/ECE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Conference on Management engineering, Science and Humanities Online monitoring of OBD Parameters (software module)				500	00
	Total Expenditure			500	00
	(-) Advance Paid on.....				
	Balance to be refunded / paid				

Received / Refunded Rs. : Five Hundred only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/22

PRINCIPAL 23/5/2022

TRUST

No.

VOUCHER

Date : 23.5.2022

To M. ARUNKUMAR AP/ECE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International conference on software engineering, Science and Humanities. Online monitoring of on-board diagnostics (OBD) (Hardware module)				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/22

PRINCIPAL 25/5/2022

TRUST

VOUCHER

No.

Date : 23/5/2022

To P. SIVASANKARAN AP/ECE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Conference on Mangement engineering, Science and Humanities AI Based Autonomous Car Driving using Brainwares				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred Only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/22.

PRINCIPAL 23/5/2022

TRUST

No.

VOUCHER

Date : 23/5/2022

To. P.GOPINATH AP/ECE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International conference on management engineering, science and Humanities. Artificial intelligence based chat bot for patient health care.				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred only

Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23/5/2022

To M. BASKARAN, AP/ECE.

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nexgen Technologies on, 28.05.2022 Attendance Monitoring systems for an organization				500	00
			Total Expenditure	500	00
			(-) Advance Paid on.....		
			Balance to be refunded / paid		

Received / Refunded Rs. : five hundred Rupee only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/22

PRINCIPAL 23/5/2022

TRUST

No.

VOUCHER

Date : 23.05.2022

To V. GOWTHAMAN AP/ECE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on NEXGEN TECHNOLOGIES on 28.05.2022 Android Based Internal Campus Navigation System.				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/2022.

PRINCIPAL 23/5/2022

TRUST 23/5

TO HOD

No.

VOUCHER

Date : 23/5/2022

To. P. GOPINATH, AP/ECE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International conference on Nex Gen Technologies on, Effective cargo load management using Embedded system				500	00
Total Expenditure				500	00
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/2022

PRINCIPAL 23/5/2022

Topra

TRUST

SENGUNTHAR ENGINEERING COLLEGE
(AUTONOMOUS)
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TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU

ESTD 2001

ISO 9001 REGISTERED

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY CONFERENCE PUBLICATION DETAILS

S.No.	Name of the Faculty	Name of conference attended	Title of the Paper	Amount of Support
1	Dr.K.Umadevi	International Conference on, "NexGen Technologies-2022"	HYBERLIZED INTELLIGENT RENEWABLE ENERGY SYSTEM	500
2	Dr.P.Ponmurugan	International Conference on Energy Power Integrated Circuits and Systems	IOT BASED WATER QUALITY MONITORING SYSTEM WITH CHOLRO NEUTRALIZER	500
3	Dr.P.Ponmurugan	Second International Conference on New Age Systems and Automation Technologies (ICNAAT) 2021	PERFORMANCE METRIC EVALUATION OF A NONLINEARFRACTIONAL ORDER PID CONTROLLER BASED ON AN EXTENDED STATE OBSERVER FOR PERMANENT MAGNET SYNCHRONOUS MOTOR SPEED CONTROL	500
4	Dr.P.Ponmurugan	Second International Conference on New Age Systems and Automation Technologies (ICNAAT) 2021	SMART SECURITY AND HOME AUTOMATION USING INTERNET OF THINGS AND ARTIFICIAL INTELLIGENCE	500
5	Dr.P.Ponmurugan	International Conference on, "NexGen Technologies-2022"	RFID BUS MANAGEMENT SYSTEM	500
6	Mrs .T.Gohila	International Conference on, "NexGen Technologies-2022"	PENALTY REDUCTION OF SMALL SCALE INDUSTRIES USING APFC UNIT AND USING IOT	500
7	Mr.G.Senthilrajan	International Conference on, "NexGen Technologies-2022"	DESIGN OF SOLAR POWER DRIVEN MOTOR FOR PUMP APPLICATIONS	500
8	Mr.D.Sathiyaraj	International Conference on, "NexGen Technologies-2022"	SMART WATER LEAK CONTROLLER IN COLLEGE WATER SUPPLY LINKS	500

9	Mr.V.Nanthakumar	International Conference on, "NexGen Technologies-2022"	A GSM BASED POWER FAILURE ALERTING SYSTEM FOR POWER GENERATOR ROOM	500
10	Mr.A.Tamilselvan	International Conference on, "NexGen Technologies-2022"	AN IMPLEMENTATION OF ELECTRICITY THEFT DETECTION AND LOCALIZATION IN SMART GRID FOR INDUSTRY 4.0	500
11	Ms.K.Deepa	International Conference on, "NexGen Technologies-2022"	AUTOMATIC FAULT IDDENTIFICATION IN ELECTRICAL APPLIANCES	500
12	Mr.K.Prashanth	International Conference on, "NexGen Technologies-2022"	MAXIMUM POWER POINT TRACK (MPPT) FOR PHOTOVOLTAIC (PV) POWER GENERATION	500
			TOTAL AMOUNT	**7500**

HOD 20/05/2022

PRINCIPAL 20/5/2022

20/5/22

VOUCHER

No.

Date : 23/5/22

To Dr. K. UMADEVI principal & HOD/EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nexgen Technologies - 2022 Hybridized Intelligent Renewable Energy Systems.				500	
Total Expenditure				500	
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred rupees only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/05/2022

PRINCIPAL

TRUST

VOUCHER

No.

Date : 23.05.2022

To Dr. P. PONMURUGAN ASP/EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
International Conference on Energy Power Integrated Circuits & Systems 2021 (EPICS' 2021) IOT Based Water Quality Monitoring System with Chloro Neutraliser				500	
Total Expenditure				500	
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Rupees only.

P. Ponmurugan

Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

VOUCHER

No. Date : 23.5.22

To Dr. P. PANMURUGAN Asp / EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
Second International Conference on Next Age Systems and Automation Technologies - (ICNAAT) 2021 Performance Metric Evaluation of a Nonlinear Fractional order PID controller based on an Extended State observer for Permanent Magnet Synchronous Motor Speed Control				500	
Total Expenditure				500	
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred Rupees only

P. Panmurugan
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23.5.22

To Dr. P. PONMUGUGAN ASP/EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
Second International Conference on New Age Systems and Automation Technologies - (I4NAAT) 2021 Smart Security and Home Automation using Internet of Things and Artificial Intelligence				500	
Total Expenditure				500	
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundreds Only

P. Ponmu

Signature

Toya

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL 23/5/2022

TRUST 23/5

VOUCHER

No.

Date : 23.5.22

To Dr. P. PONMURUGAN ASP I EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
11th International Conference on Next Gen Technologies - 2022 RFID Bus Management System.				500	
Total Expenditure				500	
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred Rupees only

P. Ponmurugan
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

VOUCHER

No.

Date : 23.5.22

To. T Gohila, AP/EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International conference on NexGen Technologies-2022 Penalty Reduction of Small Industries using APFC unit and using IOT				500	-
Total Expenditure				500	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred rupees only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/22

Topa

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23/5/22

To Gr. Senthilrajan Asp/EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on NexGen Technologies - 2022 Design of Solar power driven motor for pump applications				500	
Total Expenditure				500	
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred rupees only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Gr. Senthil
Signature

PRINCIPAL

Joya
TRUST

VOUCHER

No.

Date : 23/05/22

To D. Sathiyaraj, AP/EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International conference on NexGen Technologies-2022 Smart water leak controller in college water supply lines				500	—
Total Expenditure				500	—
(-) Advance Paid on.....					
Balance to be refunded / paid				—	—

Received / Refunded Rs. : Five Hundred Rupees only

23/5/22
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

VOUCHER

No.

Date : 23/05/22

To. V. Navinkumar Ap/EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nexgen Technologies - 2022				500	-
GSM based power failure alerting system for Generator Room.					
			Total Expenditure		
			(-) Advance Paid on.....	500	-
			Balance to be refunded / paid	-	-

Received / Refunded Rs. : Five hundred rupees only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

V. Navin Signature

PRINCIPAL

for TRUST

No.

VOUCHER

Date : 23/5/22

To A. Tamilselvan AP/EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International conference on Next Gen Technologies-2022. An Implementation of Electricity Theft detection & Localization in smart grids for Industry 4.0.				500	-
Total Expenditure				500	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred rupees only

A. Tamilselvan
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL 23/05/2022

TRUST

VOUCHER

No.

Date : 23/5/22

To K.DEEPA, AP/EEE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International conference on Nexgen Technologies-2022 Automatic Fault Identification in Electrical Appliances				500	–
Total Expenditure				500	–
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five hundred rupees only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature

PRINCIPAL

TRUST

VOUCHER

No.

Date : 23.5.22

To K Prashath AP/ECE

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on NexGen Technologies - 2022 Maximum Power Point Tracking (MPPT) for photovoltaic (PV) power Generation				500	
Total Expenditure				500	
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Rupees Only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

to Prashanth

Signature

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DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY CONFERENCE PUBLICATION DETAILS (2021-2022)

S.No.	Name of the Faculty	Name of conference attended	Title of the Paper	Amount of Support
1	Mr.N.Thiru Senthil Adhiban	4th International Conference on NexGen Technologies	Design and Analysis of Sand Sheving Machine	500
2	Mr.N.Thiru Senthil Adhiban	4th International Conference on NexGen Technologies	Performance Analysis and Efficiency improvement of cooling Tower at MTPS - I	500
3	Mr.P.Jagadeeswran	4th International Conference on NexGen Technologies	Bed with Attached Commode for Patient and Elders	500
4	Mr.P.Jagadeeswran	4th International Conference on NexGen Technologies	A Smart Aerial lotus Removing Machine for Lake and River	500
5	Mr.C.Mohankumar	4th International Conference on NexGen Technologies	Design and Analysis of Goods Elevator	500
6	Mr.C.Mohankumar	4th International Conference on NexGen Technologies	Design and Analysis of Jet Nozzle in Laser Cutting Machine	500
7	Mr.S.Murugasan	4th International Conference on NexGen Technologies	Design and Analysis of Multiface Hydraulic Bending Machine Die	500
8	Mr.S.Murugasan	4th International Conference on NexGen Technologies	Design and Analysis of Concrete Mixture Drum Shaft	500
9	Mr.N.Saravanan	4th International Conference on NexGen Technologies	Automatic Water Tank Cleaning Machine	500
10	Mr.N.Saravanan	4th International Conference on NexGen Technologies	Design and Fabrication of Fuel from Plastic Waste	500
11	Mr.C.Ramesh Kumar	4th International Conference on NexGen Technologies	Design and Analysis of Cardan Shaft	500
12	Mr.C.Ramesh Kumar	4th International Conference on NexGen Technologies	Design and Analysis of Concrete Mixter Drum	500
13	Mr.G.ChandraMohan	4th International Conference on NexGen Technologies	Vibration Analysis of Block Making Machine	500
14	Mr.G.ChandraMohan	4th International Conference on NexGen Technologies	Design and Fabrication of Vegetable Cutter Machine	500
15	Mr.C.Karthick	4th International Conference on NexGen Technologies	Analysis of Fuel Tank and Hose Cleaning in Generator	500
			TOTAL AMOUNT Rs	7500

22/05/22
HOD

PRINCIPAL

VOUCHER

No.

Date : 23.05.2022

To. N. THIRU SENTHIL ADHIBAN, AP/MECH - SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th INTERNATIONAL CONFERENCE ON NEXGEN TECHNOLOGIES DESIGN AND ANALYSIS OF SAND SHEVING MACHINE				500	-
Total Expenditure				500/-	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : FIVE HUNDRED ONLY

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

N Thiru 23.5.22
Signature

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23.05.2022

To. N. THIRU SENTHIL ADHIBAN, AP/MECH - SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th INTERNATIONAL CONFERENCE ON NEXGEN TECHNOLOGIES PERFORMANCE ANALYSIS AND EFFICIENCY IMPROVEMENT OF COOLING TOWER AT MTPS-1				500	-
Total Expenditure				500/-	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : FIVE HUNDRED ONLY

N Thiru 23.05.22
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

VOUCHER

Date : 23.05.22

No.

To Mr. D. JAGADEESCOARAN AP/MECH, SECC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th Internal Conference on Nextgen Technologies " Bed with Attached Commode for Patient and Riders"				500	—
Total Expenditure				500	—
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred rupees only

D. Jagadeesh 23/5/22
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23.05.22

To. Mr. P. JAHABEESHARAN, AP/Mech – SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nextgen Technologies "A Smart Aerial lotus removing Machine for lake and river"				500	—
Total Expenditure				500	—
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred rupees Only —

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

P Jahabeesharan
Signature 23/05/22

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23-05-2022

To. C. MOHANKUMAR, AP/MECH - SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th Internation Conference on Nexgen technologies "Design and Analysis of Goods Elevator"				500	-
Total Expenditure				500 /-	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 25/5/22

PRINCIPAL 23/05/2022

TRUST

VOUCHER

No.

Date : 23.05.2022

To. C. Mohankumar, AP/MECH - SECS

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nexgen Technologies "Design and Analysis of Jet Nozzle in Laser Cutting Machine"				500	—
Total Expenditure				500	—
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred only

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23/05/2022

To Mr. C. RAMESH KUMAR, AP/MECH., SEC.

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on NexGen Technologies 'Design and Analysis of Cardan Shaft'				500	—
Total Expenditure				500	—
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred rupees only —

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/22

To BR

PRINCIPAL 24/05/2022

TRUST

No.

VOUCHER

Date : 23/05/2022

To Mr. C. RAMESH KUMAR, AP/MECH, SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on NexGen Technologies 'Design and Analysis of Concrete Mixer Drum'				500	-
Total Expenditure				500	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred rupees only —

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/22

To VR

PRINCIPAL 23/05/2022

TRUST

VOUCHER

No.

Date : 23/5/22

To Mr. G. CHANDRAMOHAN, AP/MECH SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4Th Internation Conference on Nex Gen Technologies Vibration Analysis of Block Making Machine				500	-
Total Expenditure				500	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Only

G. chan 23/5/22
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

VOUCHER

No.

Date : 23/5/22

To. G. CHANDRAMOHAN, AP/MECH SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nex Gen Technologies Design and Fabrication of Vegetable Cutter Machine				500	-
Total Expenditure				500	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Only

G. Chan 23/5/22
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23.05.2022

To S. MURUGAN, AP/MECH - SEC.

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nexgen Technologies. Design and Analysis of Concrete Mixture Drum Shaft.				500	-
Total Expenditure				500/-	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : FIVE HUNDRED ONLY

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/22

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23.05.2022

To S. MURUGESAN, AP/MECH., SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nexgen Technologies Design and Analysis of Multifold Hydraulic Bending Machining Die				500	-
Total Expenditure				500/-	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : FIVE HUNDRED ONLY

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 23/5/22

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23/05/2022

To. C. KARTHIK, APIMECH - SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th INTERNATIONAL CONFERENCE ON NEXGEN TECHNOLOGIES ANALYSIS OF FUEL TANK AND HOSE CLEANING IN GENERATOR				500	-
Total Expenditure				500/-	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : FIVE HUNDRED ONLY

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

C. Karthik 23.5.22
Signature

PRINCIPAL

TRUST

No.

VOUCHER

Date : 23/5/2022

To N. Saravanan AP/Mech., SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nexgen Technologies. Design and Fabrication of Fuel From Plastic Waste.				500	-
Total Expenditure				500/-	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Only

N. S 23/5/22
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

VOUCHER

No.

Date : 23/5/2022

To. N. Saravanan AP/Mech. SEC

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nexgen Technologies. Automatic Water Tank Cleaning Machine				500	-
Total Expenditure				500/-	-
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / Refunded Rs. : Five Hundred Only

N. 23/5/22
Signature

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

PRINCIPAL

TRUST

SENGUNTHAR ENGINEERING COLLEGE
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NAAC Accredited with 'A' Grade
TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU

ESTD 2001

ISO 9001 REGISTERED

Department of Master of Business Administration

FACULTY CONFERENCE PUBLICATION DETAILS

Name of teacher	Name of conference attended	Title of the Paper	Amount of support
Mr.V.Saravanakumar	International Conference on, "NexGen Technologies-2022"	Human Resource Policies and its Implementations	500
Mr.V.Saravanakumar	International Conference on, "NexGen Technologies-2022"	Recruitment and Selection Process	500
Mrs.S.Umamaehswari	International Conference on, "NexGen Technologies-2022"	Career Planning and Development	500

HOD

No.

VOUCHER

Date : 24.05.2022

To. Mr. V. Saravana kumar /AP/MBA

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International conference on Nex Gen Technologies - 2022. Human Resources Policies and its Implementations.				500 -	-
			Total Expenditure	500	-
			(-) Advance Paid on.....		
			Balance to be refunded / paid		

Received / ~~Refunded~~ Rs. : Five hundred only -

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

24/5/22
Signature

PRINCIPAL 24.05.2022

TRUST 24.05.2022

No.

VOUCHER

Date : 24.05.2022

To. Mr. V. Saravanakumar /AP/MBA

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on Nex Gen Technologies - 2022 Recruitment And Selection Process				500	-
	Total Expenditure			500	-
	(-) Advance Paid on.....				
	Balance to be refunded / paid				

Received / ~~Refunded~~ Rs. : Five hundred only -

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 24/5/22

PRINCIPAL

TRUST 24.05.2022

No.

VOUCHER

Date : 24.05.2022

To Mrs S. Uma Maheswari /AP/MBA

Particulars	Rate Rs.	P.	Nos.	Amount Rs.	P.
4th International Conference on NexGen Technologies - 2022 Career Planning and Development				500	—
Total Expenditure				500	—
(-) Advance Paid on.....					
Balance to be refunded / paid					

Received / ~~Refunded~~ Rs. : Five hundred only —

PREPARED	CERTIFIED	PASSED
Staff I/C	Supervisor	A.O.

Signature 24/5/22

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