3.3.3 International conference proceedings per teacher during last five years

S.No	Title	Author	Department	Name	Year	Weblink
1	Power quality improvement with fuzzy logic based IPQC of micro grid for hybrid renewable applications	P Avinash	EEE	1st International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
2	Generation and control of power in islanded micro grid using renewable energy sources	B Lakshmana Nayak	EEE	1st International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
3	Electrical measurement of model digital energy meter	M Santosh Kumar	EEE	1st International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
4	novel routing algorithm for mobility management for wireless mesh networks.	D UshaRani	CSE	international conference on Engineering, Science & Technology and Management	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
5	Implementation of Data logger integrated with transmitter and sensor	V.L.N.Phani	ECE	1st International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
6	Vision based classroom attendeance system using opencv and respberry-pi	V.L.N.Phani	ECE	1st International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
7	Creating work culture for talent management	T Suresh	MBA	2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
8	Design and analysis of flow in a de-laval nozzle using computational fluid	V Gowtham reddy	MECH	2nd International Conference on Engineering, Science & Technology and Management	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf

3.3.3 International conference proceedings per teacher during last five years

	dynamics			(ICESTM)-18		
9	A Comparitive study between normal concrete and alkali activated slag concrete	Anusha	CIVIL	2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
10	A Rectangular patch with a ring slot microstrip antenna for s band applications	G Suresh	ECE	2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
11	Embedded patient monitoring system	B Venkateswara reddy	ECE	2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
12	Applications of mr image segmentation	B Venkateswara reddy	ECE	2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
13	Video edge detection based on myrio and lab view	P Ashok chakravarthi	ECE	2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
14	Design and weight optimization of the lathe bed by replacement of existing material with adhesive material by ansys approach	Y Venu	MECH	2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
15	Vision based security system	S Murahari	ECE	2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
16	Image to speech conversion for visually	B Naveen kumar	ECE	2nd International Conference on Engineering, Science &	2018	http://www.vikasinstitutionsnunna.org/attachments/article/

3.3.3 International conference proceedings per teacher during last five years

	impaired				Technology and Management (ICESTM)-18		376/3.3.3.pdf
17	Hazards detection using smart helmet	B.Venkateswara reddy	ECE		2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18	2018	http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf
18	N Gopala krishna	N Gopala krishna	ECE		2nd International Conference on Engineering, Science & Technology and Management (ICESTM)-18		http://www.vikasinstitutionsnunna.org/attachments/article/376/3.3.3.pdf

VISION BASED CLASSROOM ATTENDANCE SYSTEM USING OPENCV AND RASPBERRY-PI

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ABSTRACT: Attendance for the students is an important task in class. Thus the drawbacks arise as it consumes time, needs manual work and the most important, information or the attendance can be manipulated. Also, there are chances of students not responding to their attendance and later claiming for the attendance. So, we proposed an automation of attendance system by using face recognition. The primary identification is Face for any human. This paper describes the method of detecting and recognizing the face in real-time by utilizing Raspberry Pi. This project describes an efficient algorithm using open source image processing framework known as Open CV. Our approach has five modules – Face Detection, Face Preprocessing, Face Training, Face Recognition and Attendance Database. The face database is collected to recognize the faces of the students. Initially, The system is trained with the student`s faces which is collectively called student database. This project can be used for many other applications where face recognition can be used for authentication.

Index Terms: Raspberry Pi, Detection, Preprocessing, Training, Database, Recognition.

CREATING WORK CULTURE FOR TALENT MANAGEMENT

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Abstract: Organisations know that they must have the best talent in order to succeed in the hypercompetitive and increasingly complex global economy. Talent management, the management of individuals and workforces towards achieving improved performance, is among the most critical components to the success. Creating and maintaining a talent-rich culture is especially important today because talent is difficult to find. According to Mc Kinsey & Company's "The War for Talent", the demand for highly skilled people outstrips supply. This is a challenge so many organisations are confronted with today, and finding the delicate balance between producing results and retaining and engaging employees can be difficult. This conceptual paper presents an overview of building a right culture so as to attract right talent and retain them in the organisations.

Keywords: Talent management, Performance, The War for Talent, Culture, Retaining.

DESIGN AND ANALYSIS OF FLOW IN A DE-LAVAL NOZZLE USING COMPUTATIONAL FLUID DYNAMICS

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Abstract — de Laval nozzles are mechanical devices which are used to convert the thermal and pressure energy into useful kinetic energy. The values of temperature, pressure and velocity should be available at every section of the nozzle so as to design the nozzle shape, insulation and cooling arrangements. This paper aims at providing theoretical formulae to calculate the above. The validation of these

KEY POINTS: Leaf Spring, Pro-e, Ansys-13.

IMPLEMENTATION of DATA LOGGER INTEGRATED with TRANSMITTER and SENSOR
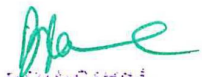
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ABSTRACT: The Data logger integrated with transmitter and sensor used in AWS (Automatic weather station) products .The data-logger is the heart of the Automatic Weather Station. In high quality weather stations, the data-logger may be designed by the supplier to be the perfect solution for a particular meteorological client. Indeed, usually data-loggers found in the market don't fit the requirement in terms of power

ELECTRICAL MEASUREMENT OF MODEL DIGITAL ENERGY METER

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Abstract: Here a lot of custom's are used electrical energy but not pay the bills in time. So here we avoid this problem by using this project. We can measure the power by each load and take the information through the mobile by using GSM module. After the taking alert from the situation the consumer not respond for emergency alert we can cut –off the supply to the consumer by automatically.

Voltage source

GENARATION AND CONTROL OF POWER IN ISLANDED MICRO GRID USING RENEWABLE ENERGY SOURCES

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ABSTRACT: This paper presents a brand new strategy to regulate the generated power from energy sources existing in autonomous and isolated Micro grids (MG). During this specific study, the power system consists of a power convertor supplied by a energy storage system (ESS), that is employed to form the ac grid GFC (grid former converter),associate energy source supported a wind generation with its turbine, photovoltaic (PV) respective Power electronic converter GSC(grid supplier converter), and therefore the power consumers . The main objective of this proposed strategy is to regulate the state of charge of the battery bank ESS, wind turbine (WT), photovoltaic (PV) generation and loads,a coordinated active power regulation is needed to ensure efficient utilization of renewable energy, whereas keeping the ESS from overcharge and over discharge conditions .By limiting the voltage on its terminals by controlling the power generated by the energy sources.

This is often done without using dump loads or any physical communication among the power electronic converters or the individual energy source controllers. The electrical frequency of the micro grid is employed to inform the power sources and their respective converters regarding the quantity of indicate the practicability of the propose control strategy.

Key words: Battery banks, power control, renewable energy sources (RES's), isolated micro grids power that they need to generate in order to maintain the battery-bank charging voltage below or equal its maximum allowable limit.

POWER QUALITY IMPROVEMENT WITH FUZZY LOGIC BASED IPQC OF MICRO GRID FOR HYBRID RENEWABLE APPLICATIONS

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ABSTRACT: This paper presents a fuzzy logic controller based on integrated power quality controller (IPQC) for micro-grid is used to mitigate power quality problems when it is applied for PV/Wind renewable energy system. The unusual requirements of micro grid power quality, such as the harmonic high penetration, frequent voltage fluctuation and over current phenomenon, when wind energy is connected to the grid voltage sag, swells, harmonics, flicker etc and bidirectional power flow and small capacity. The IPQC is an effective custom power solution, which consists of two back to back connect IGBT based voltage sourced bi-directional converters with a common DC bus to mitigate power quality problems. A hybrid energy system, or hybrid power, usually consists of two or more renewable energy sources used together to provide increased system efficiency as well as greater balance in energy supply.

A COMPARITIVE STUDY BETWEEN NORMAL CONCRETE AND ALKALI ACTIVATED SLAG CONCRETE

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ABSTRACT: Alkali activated slag concrete is the one of the better ways towards sustainable construction. AAS is the better common idea but it does not gain wide acceptance among practitioners due the adhered mortar poses which deleterious effects on concrete. One of these alternative materials is alkali-activated slag (AAS) as a binding

Applications of MR Image Segmentation

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Abstract: After the introduction of digital imaging devices in medicine computerized tissue recognition and classification (i.e., segmentation) have become important in research and clinical applications. Segmented data can be applied among numerous research fields including volumetric analysis of particular tissues and structures, construction of anatomical models, three-dimensional (3D) visualization, and multimodal visualization, hence making segmentation essential in modern image analysis. In this research project several PC based software were developed in order to segment medical images, to visualize raw and segmented images in 3D, and to produce EEG brain maps in which MR images and EEG signals were integrated. The software package was tested and validated in numerous clinical research projects in hospital environment.

Video Edge Detection Based on MyRIO and LabView

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ABSTRACT: In this paper the design had been aimed for to describe the real time video edge detection based on full use of hardware resources within the FPGA ZYNQ 7010 and ARM Cortex9 within the MyRIO. According to the video signal theory and edge detection algorithm, the author designs the video image edge detection system on the MyRIO custom FPGA template The hardware circuit of the algorithm is achieved on MyRIO and simulated in Labview2014. When the system is validated, it indicates that the real time video image edge detection system can detect high precision edge[1].This approach that can be effectively leverage the opportunities and take on the challenges of modern academic research and development[2].

Design and Weight Optimization of the Lathe Bed by Replacement of Existing Material with Adhesive Material by ANSYS Approach

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Abstract — Lathe bed acts as the base on which the different fixed and movable parts of the Lathe are mounted. Lathe beds are usually manufactured with Cast iron or Mild steel. In case of extremely large machines, the bed may be in two or more pieces, bolted together to from the desired length. Lathe Bed is heavy rigid structure which is having high damping capacity for the vibrations generated by machines during machining.

In this paper, static structural and modal analyses are carried out on lathe bed at maximum load conditions. These simulation results are used to reduce the weight of the lathe bed without deteriorating its structural strength and damping capacity by adding ribs and removing mass where less deformation and stresses are induced. FEA analysis of modified lathe bed is carried out with Gray cast iron and Epoxy-granite which is a mixture of granite and epoxy resin-hardener as an alternative material. Effectiveness of both materials are compared in terms of induced stresses, deformation and weight reduction. Lathe bed CAD models have been generated with Creo modeling software. The FE model has been generated by ANSYS APDL. The analyses are carried out using ANSYS APDL. The results are shown in the form of contour plots and also tabulated, to analyse the effect of weight reduction on the structural integrity of the machine bed before and after the weight reduction and conclusions are drawn about the optimized design.

Keywords — Weight optimization, Lathe bed, FE Analysis, Epoxy-granite.

Image to Speech Conversion for Visually Impaired

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ABSTRACT : Visual impairment is one of the biggest limitation for humanity, especially in this day and age when information is communicated a lot by text messages (electronic and paper based) rather than voice. The device we have proposed aims to help people with visual impairment. In this project, we developed a device that converts an image's text to speech. The basic framework is an embedded system that captures an image, extracts only the region of interest (i.e. region of the image that contains text) and converts that text to speech. It is implemented using a Raspberry Pi and a Raspberry Pi camera. The captured image undergoes a series of image pre-processing steps to locate only that part of the image that contains the text and removes the background. Two tools are used convert the new image (which contains only the text) to speech. They are OCR (Optical Character Recognition) software and TTS (Text-to-Speech) engines. The audio output is heard through the raspberry pi's audio jack using speakers or earphones.

Keywords: Embedded system, OCR, pre-processing, Raspberry Pi, TTS

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Embedded Patient Monitoring System

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Abstract— ICU stands for Intensive Care Unit, a place in the hospital where very ill patients are monitored very closely. Typically, the patient-staff ratio is very low and the LIFE-SAVING EQUIPMENT used is very advanced Generally ICU is a hospital facility for provision of intensive nursing and medical care of critically ill patients, characterized by high quality and quantity of continuous nursing and medical supervision and by use of sophisticated monitoring and resuscitative equipment The patients in the ICU need a constant monitoring of their Temperature and heart beat blood pressure. This project is a working model, which incorporates sensors to measure important parameters namely the Temperature, Respiratory temperature and Heart Beat. The sensors are interfaced to

Hazards Detection Using Smart Helmet

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ABSTRACT :In recent days coal mining has become a very dangerous activity that can result in a number of dangerous effects on the environment such as leakage of dangerous gases like methane, a known greenhouse gas, may be released into the air. Mining is one of the most dangerous trades in the world. Every day miners has to work in dark environment where there is possibility of raise in temperature and leakage of dangerous gases. Underground mining dangers effect miners include gas poisoning, suffocation, gas explosions and roof collapse .The improved safety features in our system increased the safety of the coal miners by alerting them about the upcoming dangerous hazards. The smart helmet has been developed which is able to detect the dangerous gases and raise in temperature levels in the mining industry Various parameters like Methane gas, Carbon monoxide gas, Nitrogen Dioxide, Temperature and Humidity are monitored for the safety of coal miners. These sensors should be fitted in the helmet of the coal miners. With the help of Arduino microprocessor we designed and developed a Smart Working Helmet that can save their lives. The leakage is detected with the help of DHT11 sensor, MQ-135 and MQ-7 gas sensors. Sensor sends a signal to micro controller. Then micro controller sends an active signal to other externally connected devices. A quick response rate is provided by this system.

Vision Based Security System

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ABSTRACT:
With the development of modern technologies, now-a-days smart home concept in metro cities has become very popular. It includes various features for security, surveillance & appliance control. This paper is focused on the design and implementation of a low cost, smart and compact real time monitoring home security system using Raspberry Pi (PP) and OpenCV. It has motion detection and face detection capability that can provide precaution to potential crimes. It also has remote monitoring facility to allow user to do live monitoring from any place in the world. The system uses PCI camera for capturing image or video.

Remote Cloud based Water Management System

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ABSTRACT : The increasing demand for water arising from global population growth and urbanization in recent years is stressing the water supply to its limits. On the other hand, water infrastructure such as pipes has been deteriorating due to aging. Under these conditions, new technologies in the water infrastructure have been required to enable the distribution of high quality water to users in a safe and cost-effective manner, from the perspective of efficiently using our world's precious water resources. The NEC Group is collaborating with Imperial College London to develop a Water Management System.

A Rectangular Patch with Ring Slot Microstrip Antenna For S Band Applications

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Abstract: The development of telecommunication technology has brought many