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Punyatithi Programme

Joint Punyatithi Programme of Late Padmashri Kakasaheb Wagh philanthropists, Kakuseth Udeshi and Madhavrao Boraste was held on 22/07/2015. Ex. MP Shri. Pratapdada Sonawane presided over the function. Chief Guest Mr. Pralhad Patil Karad and Adv. Daulatrao Ghumare told some incidences from the life of Late Kakasaheb Wagh and suggested K. K. Wagh Education Society should start an University in the near future. Hon. President of K. K. Wagh Education Society Shri. Balasaheb Wagh felicitated all the guests. For this function Vice President Shri. Kashinathdada Tarle, Trustee Shri. Changdevdada Holkar, Ashokbhai Merchant, Shri. Sameer Wagh, Shri. D. S. Shinde, other dignitaries of Nashik district, All Principals, Heads and staff of various institutes of K. K. Wagh Education Society were present.

Ex. MP Shri. Pratapdada Sonawane speaking on occasion of Joint Punyatithi Programme

Annual meeting of PACE programme of KPIT

Mr. Rajndra Kangoo, KPIT global Head and Mr. Swpanil Bhoyar, HR Manger, KPIT visited campus for conducting KPIT Governing Council meeting (PACE Programme) with Principal /TPO /HOD and staff of Computer /IT / E&TC / Electronics and MCA on 3 July 2015. During the meeting held in Principal office, present level of KPIT and KKWIEER. Interactions were discussed and future collaborations were explored. An action plan

like motivating the students to participate in KPIT-Sparkle-2016 contest and the preparation required for bridging the KPIT skill expectations were discussed in details. It was also discussed that the branding of KPIT-KKWIEER activities should be done through our website. On this occasion, KPIT HR team conducted "Placement ready session" for BE students. Around 247 students from IT/E&TC/ Electronics and MCA having aggregate 55% and more have participated in the Placement ready session. Students were made aware about KPIT Company selection process/KPIT skill expectations and their eligibility criteria. On this day certificates were distributed to students of 2015 batch who have taken PACE training. University rankers were also felicitated at the hands of KPIT team.

KPIT HR team: Campus Readiness Session for BE students

Felicitation of Mr. Subodh Deshmukh on completion of one week training for SE students

T & P cell conducted one week workshop on "Team Building and Motivation" for 2nd year students. This workshop was conducted by Mr. Subodh Deshmukh (CEO, Rangshastra Textiles, Hydrabad) from 13th to 18th of July 2015 for all the branches which distributed in 6 days. Around 607 students attended this workshop and students were made aware about Placement opportunities and students were trained for public speaking, group activity and SWOT Analysis.

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Felicitation Mr. Subodh Deshmukh (CEO, Rangshastra Textiles, Hydrabad)

■ Meeting with HR team Mr. Kaustubh Bhadbhade and Mr. A. Kulkarni from Persistent System Ltd.

HR team Mr. Kaustubh Bhadbhade and Mr. A. Kulkarni from Persistent System Ltd., visited our campus on 21 July to have an interaction with BE (2015-16) batch eligible students from Computer/IT/MCA. The objective of this interaction was to make the students aware about PSPL Company, their selection process and Job profile in PSPL. 187 students have participated in this interactive session.

Meeting with Persistent HR in Principal Office on 21 July 2015

■ Death anniversary of Late Kakuseth Udeshi

Death anniversary programme of Late Kakusheth Udeshi was organized in Principal office on 9th July 2015. On this occasion Principal Dr. K. N. Nandurkar and all heads of department offered the flowers to the photo of Late Kakusheth Udeshi.

Death Anniversary of Late Kakuseth Udeshi in Principal Office

■ FE Welcome Function

A Welcome function for all the newly admitted F. E. students was arranged on 20th July to 25th July 2015. The function was arranged in five sessions according to the branches. Principal Dr. K. N. Nandurkar, Prof. Dr. S. S. Sane (H.O.D., Computer), Prof. A. M. Jain (Professor, Electrical), Prof. M. B. Murugkar (H.O.D., Mechanical), Prof. Dr. S. B. Chandgude (H.O.D., Production), Prof. Dr. V. S. Mane (H.O.D., Chemical), Dr. A. L. Varne (Associate Professor, Civil), Prof. Dr. Mrs. P. D. Bhamre (H.O.D., I.T.), Dr. D. M. Chandwadkar (H.O.D., E & TC Dept.), Prof. S. N. Kadlag (H.O.D., Science & Maths), Prof. Dr. P. K. Shahabadkar (T & P Officer), Prof. S. S. Joshi (Science & Maths Dept.), Prof. A. W. M. H. Ansari (Science & Maths Dept.) & Prof. Prajkta Vispute (I. T. Dept.) guided the students and parents in various sessions for their four year journey at KKWIEER. Principal Dr. K. N. Nandurkar explained need of development of soft skill during four years & also elaborated scope of engineering. Considering the fact that, the revised FE structure and syllabus is implemented from the academic year 2015-16, the guidance given by the faculty was proved to be more important for the students and parent.

Students attended the welcome function of FE

■ "Fire Safety Drill" and "First AID Programme"

"Fire Safety Drill" and "First Aid Programme" was conducted by T & P cell in association with Mahindra & Mahindra Nashik in our campus on 29 July 2015. This was conducted by a team from Mahindra and Mahindra lead by Mr. Devidas Wankhede. Through this program we made the awareness to our non-teaching staff/security regarding Fire hazards and First aid in the vent of Fire and earth quake. They also demonstrated and provided hands on experience for using Fire Extinguishers.

Photos of Fire and Safety Drill

MCA Welcome Function

Department of MCA has organized Induction programme for first year MCA students on 28th July 2015. Mr. Shashank Todwal, Director of UMS Tech Labs, Nashik was the chief guest for the function. The function was commenced with a welcome speech given by Prof. S. S. Jhawar, coordinator of MCA department, speech by Principal Dr. K. N. Nandurkar and speech by Dr. S. S. Sane followed by talk of chief guest.

Induction programme for First Year MCA

Induction programme and CEO Connect

MBA department organized Induction Programme and CEO Connect on 29 July 2015. Mr. Sudhir Mutalik (CEO, Positive metering Pumps and President, CII, North Maharashtra Zonal Council) was the chief guest of the programme. Dr. Pawan Kumar Singh (MD, RotheErde India Pvt., Ltd.), Mr. Mukesh Gupta (CEO- Micro Petrochem Pvt., Ltd.) and Mr. Atul Sheth (CEO, Sharda Motors Ltd.) were guest of honours. Mr. Sudhir Mutalik addressed the audience about importance of developing knowledge and skills amongst students. All the CEOs interacted with students on topics like entrepreneurship and expectations of corporate sector from MBA students as well as shared their

experiences. The programme was also graced by the presence of Principal Dr. K. N. Nandurkar, MBA Co-ordinator Mr. Suraj Jhawar, HOD of MBA Department Dr. Aarti More and T & P officer Dr. P. K. Shahbadkar. MBA staff and students were present for the programme.

Principal Dr. K. N. Nandurkar addressing to first year MBA students

Digital India Week

K. K. Wagh College of Engineering and Department of Computer Engineering organized online session on "Digital India Week" inaugurated on 1st July 2015 by Hon'ble Prime Minister of India, Shri. Narendra Modi. The idea behind this initiative was to transform India into digital empowered society and knowledge economy. This programme has been envisaged by the Department of Electronics and Information Technology (DeitY). The focus of this programme was to integrate all systems for application at villages, block, district, state and central levels. The vision of Digital India week is centered around three key areas: digital infrastructure as a utility to every citizen, governance and services on demand and digital empowerment of citizens. Prof Dr. S. S. Sane, Prof J. S. Jadhav, Prof. Sukhdev Naik, Prof. Neha Sharma, Prof. Rutuja Jadhav, Prof. Kiran Somawanshi, Prof Lalit Patil, Prof. Dhananjay Kanade, Mr. Swapnil Ahire and students attended the same.

Online session on "Digital India Week"

■ **Expert Lecture/Seminar/Courses/Worshop Organized:**

- Computer engineerig department organized Spoken Tutorial Courses on 3 July 2015, an expert talk on "Fundamentals of JAVA" of Mr. Sumit Pardeshi and Mr. Hemkant Gangurde on 11 July 2015 and organized an expert talk on "Soft Skills" of Mrs. Ashwini Deshpande on 22 July 2015. Same department also organized an expert talk on "Application of Stack in Microprocessor" of Mr. Anand Mahuli on 25 July 2015, organized an expert talk on "Ethical hacking" of Mr. Magesh Pawar on 25 July 2015 and organized expert talk on "Smart system design and Applications" by Dr. Parag Kulkarni on 28 July 2015.

- Electronics & Telecommunication department organized an expert lecture on "Career options for Electronics and E & TC students on 2 July 2015, organized an expert talk on "Overview of Transistor switching" for SE (Electronics) by Mr. Pravin Ambekar, Technical Incharge of Ambekar Association, Aurangabad on 7 July 2015 and an expert lecture on "Digital India under IETE students forum" SE (E & TC, Electronics) by Apurva D. Jakhadi, Secretary of IE (I), Nashik local centre on 8 July 2015. Same department also organized an expert lecture of Mr. Sagar Nikam & Ms. Madhura Shelar, Directors of ELC on 16 July 2015, organized an expert lecture on "Importance of Electronics in industries" of Mr. Sanjay Chaudhary, Director of Electronics study center.

- Electrical Enginering department organized an expert talk on "Basics of Capacitor" by Mr. Sudhir Patil on 11 July 2015 and an expert talk on "L.V. Distribution" by Mr. Chetan Dhake on 17 July 2015. Same department also organized an expert talk on "State Estimation in Nuclear Reactor" by Mr. S. R. Shimjith on 20 July 2015 and an expert talk on "Active Harmonic Filter" by Mr. Kedar Gangopadhye on 29 July 2015.

- Department of Mechanical Engineering organized an expert talk on "FEA & CFD" by Mr. Shrijit Jacob on 2 July 2015, an expert talk on "Solid Modeling Using CREO-3" by Mr. Dipak Kale, Mr.Amol Walhe and Mr. Nitin Talele on 16 July 2015. Same department also organized an expert talk on "Industrial Hydraulics & Pneumatics" by Mr. Nikhil Bhor on 15 July 2015.

- Chemical Engineering department organized an expert talk on "Environmental Engineering" by Mr. Shripad Nimbhorkar, Director of Sanskriti Consultancy, Mumbai on 3 July 2015, an expert talk on "Overview of Process Equipment" by Mr. Chandrakant R. Mohikar, Petro Project Consultant on 9 July 2015 and an expert talk on "Study abroad" by Mr. N. B. Ahire, Step Ahead Study abroad Consultancy, Nashik. Same department also organized an expert talk on "Importance of GATE Exam and Systematic Preparation for better result" for TE and BE students and expert talk on "Higher Studies" for SE students by Dr. P. V. Vijay Babu, Dr. BATU Lonere, Dist. Raigad on 24 and 25th July 2105 respectively and an expert talk on "Cooling Towers" by Dilip Jaiswal, Himgiri Cooling Towers, Mumbai on 25 July 2015.

- Information Technology Department organized an interactive session on "Sponsored Projects-Opportunities with Credence Core, Pune" with Mr. Ravi Chawda and Mr. Kapil Deshpande, Credence Core, Pune and Mr. Mohan Kulkarni, Project Manager, Honeywell Tech., Pune on 4 July 2015, a session on "Preparation for Group Discussion" by Mr. Vishal Jategaonkar, Director, PT Education, Nashik on 15 July 2015 and organized a seminar on "Software Life Cycle of Gaming & Game Development" by Mr. Alap Soni, Alumni of I. T. Dept. (Batch 2013), Software Developer, Winjit Technologies, Nashik on 25 July 2015.

- MCA department organized an expert lecture on "Project How To" on 2 July 2015 for the third year MCA students by Prof. N. M. Shahane, an expert lecture by Dr. R. S. Tiwari, Ex Director YCMOU on "Project Guidance" for third year students of MCA on 4 July 2015. Same department also organized an expert lecture by Ms. Amruta Khatri, Senior Tester, TCS, Pune on "Software Testing" on 1 July 2015, an expert lecture by Mr. Harshad Pethe from Mapa Tools Pvt., Ltd., on "Interview Guidance" on 17 July 2015, an expert lecture by Mr. Manas Gajare from Zabuza Labs, Nashik on "Animation and Gaming" on 24 July 2015. Same department also organized an expert lecture by Mr. Shashank Todwal, Director- UMS Labs, Nashik on "Recent technologies in IT" on 28 July 2015.

- On 20th July 2015 NSS Unit of our Institute and Samsonite South Asia Pvt., Ltd., jointly organized "TREE PLANTATION" at Khambale Vanrai, Ghoti, (Tal. Igatpuri). This site is on Kavnai (Vaitarna Dam) road, 1 km from Nashik - Mumbai highway. More than 2000

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trees planted by 265 NSS volunteers. Prof. N. B. Gurule (NSS Program officer) and Mr. Milind Vaidya (Deputy Director, Samsonite) coordinated this event.

◼ Industrial Training/Workshop/STTP Attended By Staff:

- Computer engineering department staff Mr. K. P. Birla attended FDP on "Smart System Programming" at SIT Narhe, Pune during 24 to 26 July 2015. Same department staff Mr. Anand Kolapkar attended One day workshop on "Virtual Laboratory" at College of Engineering Pune on 29 July 2015.

- Electronics & Telecommunication engineering department staff Mr. Dharrao S. S., Mr. Shinde S. M., Mrs Ashwini Ahire, Mr. Deepak Handge, Mr. Deepak Bhalerao and Mr. Durgesh Shete attended Two days workshop on "Testing, Servicing and Calibration of laboratory instruments" during 2 to 3 July 2015.

- Chemical Engineering staff Prof. M. K. Ahire and Prof. Z. K. Deshmukh attended the TE Chemical syllabus orientation workshop on 25 July 2015 at SVIT Chincholi in association with SPPU, Pune.

- Information Technology department staff Prof. N. P. Rane and Prof. M. S. Patil attended One Day FDP on Software Laboratory - III (Machine Learning & Security) on 3 July 2015 at Sinhgad College of Engineering, Pune in association with BOS SPPU, Pune. Prof. S. K. Badjate of same department attended one day FDP on "Reach To Teach" on 11 July 2015 organized by MES College of Engineering, Pune & EAGLET Gateways to Software Networking and Education Solution Pvt., Ltd., Pune. Prof. S. P. Mene along with six students of IT dept. attended Two Days Workshop on "Entrepreneurship Development Program" on 15 and 16 July 2015 organized by Udyogwardhini, Nashik

◼ Industrial Visits Organized For Students:

Date	Class	Name of Company
11/07/15	B. E. Chemical	Cata-Pharma Pvt.,Ltd., Musalgoan MIDC, Sinner
30/07/15	T.E. Chemical	Megafine Pharmaceuticals Pvt., Ltd., Dindori
30/07/15	S.E.Chemical	Bhikusa Paper Mill, Nashik
31/07/2015	TA1 Batch	Swift Pvt., Ltd.
31/07/2015	TA4 Batch	Press Metal Industries
31/07/2015	TB1 Batch	Viraj Industries
31/07/2015	TB2 Batch	Unique Treatment
31/07/2015	TB3 Batch	B-CATMA
31/07/2015	TB4 Batch	Shamla Electroplaters
31/07/2015	TC1 Batch	Technoflow Industries
31/07/2015	TC2 Batch	Shirke Industries
31/07/2015	TC3 Batch	Vaishnavi Auto Pvt., Ltd.
31/07/2015	TC4 Batch	Technoshell Pvt., Ltd.

◼ Training & Placement :

Name of Company	Name of the Dept.	No.of students selected
Saama Technologies, Pune	Computer Engg.	01
G. S. Lab Pune	Computer Engg.	01
BOSCH Nashik	Mechanical Engg.	02
	Production Engg.	01
	Chemical Engg.	01
Globe Chemie, Sinner, Nsk.	Chemical Engg.	02

- Training and Placement Cell conducted an Orientation Programme on 24th July 2015 for BE Mechanical/Electrical/ Production students having Aggregate 55% and more. Students were aware about Dos and Donts during the campus selection process and shared with them the preparation required for getting the jobs through campus interviews.

- An HR team Mr. Nishant Prabhu and Mr. Chinmay from TCS have visited our campus on 15th July to have an interaction with TCS - BE (2015-2016) eligible students from Computer/ IT/Mechanical/Electrical/E&TC/Electronics. The objective of this interaction was to make the students aware about TCS Company, their selection process and Job profile in TCS. Also TCS announced and felicitated 10 TCS student's ambassadors. Around 227 students have attended this TCS Campus Readiness Session.

- Aspring minds Representative Mr. Tarun Chugh conducted an interactive session with TE and BE students from Computer/ IT/E&TC/Electronics/Mechanical and MCA. The objective of session was to provide basic information of cracking AMCAT to beginners. AMCAT conducted an online test for TE/BE students on 22 July 2015. 150 students' attended this AMCAT test.

- T&P cell has conducted an awareness program on "Entrepreneurship Development" for Final year students on 14/07/2015. Basic objective of this program was to create awareness about "Entrepreneurship and Various Government Schemes & support available for SME's". Mr. Sunil Chandak conducted this session.

◼ CONGRATULATION

Prof. S. B. Chandgude, Head of Production Engineering Department of our Institute has completed Ph.D. degree in Mechanical Engineering discipline under the faculty of Engineering and Technology of Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, under the guidance of Dr. Mudigonda Sadaiah, Professor, Department of Mechanical Engineering, DBATU, Lonere. The title of his thesis was, "An Investigation into Cutting Process Dynamics in End Milling using Tool Condition Monitoring".

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Other Achievements

- On 19 July 2015, Principal Dr. K. N. Nandurkar and Prof. Dr. V. M. Sewalikar along with Hon. President Shri. Balasaheb Wagh visited Pune for felicitation of Prof. M. J. Deodhar, Ex. Principal of Institute on completion of 80 years.

- Principal Dr. K. N. Nandurkar also was invited as Chief Guest for the 'Story Telling' competition organized by K. K. Wagh Arts, Science, Commerce, Computer Science College, Saraswati Nagar Campus, Nashik on 31 July 2015.

- Electronics & Telecommunication engineering department head Prof. Dr.D.M. Chandwadkar & staff Prof. Dr. M. R. Admane and Prof. Dr. S. A. Patil (Ugale) worked as Resource person for Training in Automotive Electronics for B. E. Students during 11 to 24 July 2015. Prof. Dr. D.M. Chandwadkar and Prof. Dr. M. D. Kokate were honoured as a session chair for International Conference (ICRTET) at SNJB, College of Engg. Chandwad on 02/07/2015.

- I.T. Dept. Head Prof. Dr. Mrs. Preeti. D. Bhamre and Prof. Smita N. Chaudhari presented a poster on topic on "Electrical Modeling of Photonic Crystal Resonant Cavities" in Regional Research Conference "INNOVATION-2015" on 1 July 2015 organized by MES College of Engineering, Pune and Board of College & University Development (BCUD) SPPU, Pune. Prof. Rupali M. Bora presented a poster on topic on "WSN for Greenhouse Environment Monitoring" in same conference. Applied Science department staff Prof. Patil presented a poster on topic on "Synthesis & selective recognition of cationic /anionic complex of quinoline derivatives." in same conference.

Abstracts of papers presented during July 2015:

Manufacturing of Vanillin from Lignin via Photocatalytic Degradation by using Titanium Dioxide Photocatalyst

Prof. G. N. Patil, Prof. Z. K. Deshmukh & Prof. N. A. Sharma

Abstract: Lignin is a good candidate for photocatalytic degradation due to the presence of hydroxyl groups. The photocatalytic reaction involves TiO_2 as heterogeneous catalyst. In the present work lignin obtained from eucalyptus by 72% H_2SO_4 process is treated under photocatalytic conditions. Different exposure times to UV radiation were carried out. The main objective was photocatalytic degradation of eucalyptus lignin for production of vanillin which is one of the most popular flavoring agents in food industry and its wide range of application also spreads to the fields of perfumery and pharmaceutical intermediates. The use of lignin as a source of chemical products has been extensively studied. The various methods used to destroy this polymer (hydrolysis, pyrolysis, oxidation) lead to phenolic compounds of low molecular weight of great interest, which are produced with low yields. However, high yields, mainly of vanillin can be obtained by photocatalytic degradation of lignin in an alkaline medium. Photocatalytic degradation of lignin was studied with the use of catalysts TiO_2. The influence of several experimental parameters, i.e. pH, catalyst dosage and illumination on lignin degradation was investigated. The results of HPLC revealed the degradation products of contained in the lignin samples. The optimum conditions are 6 hr of exposure to UV radiation, 100 mg/l of lignin, 5 gm/l of TiO_2, 4 ml of oxidant concentration, PH 12 shows the best yield in the obtaining of lignin degradation derived compounds; the main product obtained are is vanillin.

Keywords: Lignin, Vanillin, Photocatalytic, Titanium Dioxide, etc.

Model Transformation: Concept, Current Trends and Challenges

Prof. Dr. Sunita P. Ugale & Pallavi Kalyanasundaram

Abstract: Model Driven Engineering (MDE) is gaining popularity as an alternative to the code-centric software development approach. Model Transformation (MT) is one of the main components of MDE. MT can be visualized as a program with models as inputs. Model evaluation and processing is automated by a Model Transformation tool. In this paper, we walk through the terminologies involved in MT and elaborate the benefits of MT with practical usage scenarios. The paper highlights the most recent challenges faced in the process to make model transformation more sophisticated. The intent of

the paper is to portray a complete picture of model transformation in a way to relate the practical implementations with respect to the theoretical aspects of MT. The paper concludes by putting lights on some of the current trends in the field and the areas in model transformation where significant contribution is the needed.

SHOPSMART: A Location-based Mobile Advertisement Publishing System

Prof. Ms. Shilpa Mene

Abstract: Traditionally, Advertisements and coupons are commonly used today to attract the consumers by providing many discounts. Now-a-days, Consumers are using their mobile devices to actively engage with the location in various ways which opens a great opportunity for vendor to publish advertisement. The motivation for every location based information system is: "To assist with the exact information, at right place in real time with personalized setup and location sensitiveness". To have high-personalized advertising, vendors benefit from mobile locating technologies to locate customers and personalize advertisements based on the location. For vendors, ShopSmart provides a low cost and effective way to implement digital advertisement publishing mechanisms. The system is able to provide vendors not only ability to edit Advertisements but also publish it to consumers. Advertisement and coupon data desired by consumers can be viewed and he can generate its QR (Quick Response) code to be shown to respective Vendor to get discount when QR code presented is to be scanned. So, the work proposes web and mobile application for location based mobile advertisement publishing framework for Vendors and Customers location based services.

Keywords: Mobile Advertisement, Location-Based Advertising, QR Code

Implementation of DA based FIR 16 Order LPF using IP Core Generator

Prof. Mayuri Joshi

Abstract: This paper provides the principle of Distributed Arithmetic and introduces it into a FIR 16 order low-pass filter using IP core generator. The implementation of FIR filters on FPGA based on traditional method costs considerable hardware resources, which goes against the decrease of circuit scale and the increase of system speed. A new design and implementation of FIR filters using Distributed Arithmetic is provided to solve this problem. We can make a Look-Up-Table (LUT) to conserve the MAC values and callout the values according to the input data. The simulation results indicate that FIR filters using Distributed Arithmetic can work stable and can save almost less than 50 percent hardware recourses, and can be applied to a variety of areas for its great flexibility and high reliability. IP core generator methodology will reduce the time for design, generation, integration and testing of system.

Keywords: Pedestrian detection, Feature extraction, Classification, HOG, SYM, SMO.

An Automated Recognition of Counterfeit Currency Note Using SVM with Note to Coin Exchanger

Swati V. Walke & Prof. Dr. D. M. Chandwadkar

Abstract: The average citizen is the worst-hit as fake banknotes have become so deeply embedded in the Indian economy that even bank branch and ATMs are disbursing counterfeit currency. From local vegetable vender to the petrol pumps, everybody is worried of accepting bank notes in denomination of Rs.100, Rs.500 and Rs.1000 as a majority of the fake Indian currency note is almost impossible to differentiate from genuine bank notes. In order to deal with such types of problems, an automated Recognition of currency notes is introduced with the help of feature Extraction, classification based in support vector machine (SVM). SVM classifies the segments using its datasets. This technique is considered with the machine vision where all the processing with the image is done by machine. As well as Requirement of coins is increasing at places like bus stand, railway station, mall and park. The main motive behind the project is to designing an efficient and simple machine counterfeit currency recognition which will fulfil need of coins for transactions so that people will not face problem of coins. This project is to provide coins

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for genuine note, for this purpose we have developed mechanical coin dispensing model in which camera takes picture of note. After that it's find out its value using image processing technique and then according to the value equivalent number of coins is dispense.

Keywords— Counterfeit currency; support vector machine (SVM); image processing ;coin dispensing model.

Review on Feature Extraction in speech processing

Priyanka R. Kharche & Prof. S. S. Bhabad

(Presented in 4th International Conference on 'Recent Trends in Engineering & Technology (ICRTET-2015) July 2-4, 2015 Organized by SNJB's KBJ College of Engineering, Chandwad, Nashik, Maharashtra, India)

Abstract: Feature extraction is a most important part of speech recognition. Now a days number of researcher focused on area of speech recognition. In this paper we will discuss one of the process of speech recognition namely feature extraction. It plays an important role to separate one speech from other. Because every speech has different individual characteristics. Feature extraction is commonly used spectral analysis, parametric Transform and statistical modeling techniques. In speech recognition system MFCC is most important methods. we discuss the MFCC and observe the feature of some samples of speech.

Keywords: feature extraction; linear predictive coding analysis; Mel frequency cepstral Coefficients; speech recognition.

Correlation Based Vehicle Number Plate Recognition Using Template Matching

Mayuri M. Musale & Prof. Dr. M. P. Satone

(Presented in 4th International Conference on 'Recent Trends in Engineering & Technology (ICRTET-2015) July 2-4, 2015 Organized by SNJB's KBJ College of Engineering, Chandwad, Nashik, Maharashtra, India)

Abstract: Number Plate Recognition is one of the most important elements in vehicle identification. Nowadays number of vehicles are increased everywhere, so it becomes very essential to identify licensed vehicle. In this paper an algorithm for Automatic Number Plate Recognition uses Optical Character Recognition (OCR) with template matching technique. The proposed algorithm is mainly consisting of three main parts, Detection of Number Plate, Image Segmentation, and Number plate Identification. The proposed system is implemented in MATLAB, and its performance is tested on real images of number plates. The system successfully detects and recognizes the number plates of three types of fonts: Arial, Times New Roman, Verdana.

Keywords: Automatic Number Plate Recognition (ANPR), Optical Character Recognition (OCR), Image Extraction, Image Segmentation, Template Matching.

Dynamic Annotating SRRs from Web Database using Naive Bayes

Prof. Nikita P. Rane

(Presented in 4th International Conference on 'Recent Trends in Engineering & Technology (ICRTET-2015) July 2-4, 2015 Organized by SNJB's KBJ College of Engineering, Chandwad, Nashik, Maharashtra, India)

Abstract: Web Databases are progressively accessible through HTML source based search engines. The knowledge or data units that are excavated from databases are generally encoded dynamically for the purpose of human browsing. Data units that are dynamically encoded are essential for multiple applications like comparison shopping, web resource rating and for deep web collection. A web user whenever submits a query, he is returned with number of SRRs which are needed to be extracted and collected at one place under their respective semantic labels. In this paper, a survey is conducted on different previous efforts taken to extract the data from multiple SRRs and to annotate them. Also the proposed system enhanced with Naïve Bayes machine learning is discussed which allows to extract the data units from SRRs , assign semantic labels to the extracted data units and to accurately align the data under their respective semantic.

Keywords: Web Databases, Search Result Records, Data Extraction, Data Annotation, Data Alignment, Naïve Bayes.

Prof. Dr. K. N. Nandurkar
PRINCIPAL