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■ Advisory Committee Meeting

The Advisory Committee meeting was held on 9th March 2013 in the new meeting hall of Institute. Advisory Committee Chairman Shri. Vivek Sawant and other members Prof. B. M. Naik, Dr. D. G. Hapse, Shri. N. A. Joshi, Dr. D. M. More were present. Hon. President Shri. Balasaheb Wagh, K. K. Wagh Education Society, Nashik felicitated Shri. Vivek Sawant and all other committee members. Prof. B. M. Naik felicitated Hon. Shri. Balasaheb Wagh on receiving "Edupreneur Award 2013" from Engineering Watch Magazine, Delhi. Hon. Shri. Vivek Sawant was recently conferred with Dr. Annasaheb Shinde Memorial Award for his contribution to the field of Agriculture, Education, Literature and Research. He was felicitated by Hon. Shri. Balasaheb Wagh, Hopn. Shri. C B. Holkar and Hon. Shri. D. S. Shinde (Trustee), Secretary Prof. K. S. Bandi, all Principals, Heads and senior staff of various Institutes of K. K. Wagh Education Society were present for meeting.

Advisory Committee Meeting on 9th March 2013

■ Governing Body Meeting

Governing body meeting on 30th March 2013

The meeting of Governing body of K. K. Wagh Institute of Engineering Education and Research, Nashik was held on 30th March 2013 under the Chairmanship of Hon. Shri. Balasaheb D. Wagh, Prof. D. R. Nandanwar, Jt. Director DTE and Principal Government Polytechnic, Nashik Road, Shri. S. R. Karode and other members were present. The annual budget for 2013-2014 was approved by the committee. It was recommended that Institute should apply for recognition of Institute under section 2(f) and 12(B) of the UGC Act, 1956. It was suggested that, the Institute should comply the conditions laid down by AICTE and University of Pune for starting of new courses.

■ Annual Alumni Meet 2013

Principal Dr. K. N. Nandurkar addressing the Annual Alumni Meet

An annual alumni meet for year 2013 was organized by 'Alumni Association of K. K. Wagh College of Engineering Nashik', on 23rd March 2013 at our Institute. Alumni visited their respective departments from 10 am to 12.30 pm and interacted with the faculty. The main function was organized in Sir P. C. Ray hall of Chemical Engineering Department. Hon. Shri. Ajay Boraste (Member, Nashik Municipal Corporation & Ex-Deputy Mayor Nashik) who is also alumnus of K. K. Wagh Engineering College chaired this function. Principal Prof. Dr. K. N. Nandurkar delivered the welcome speech and provided information about various activities carried out in the institute. Dr. V. D. Barve (Ex-Principal) also guided the students. On this occasion Hon. Shri. Balasaheb Wagh (Chairman, K. K. Education Society) was felicitated by 'Alumni Association of K. K. Wagh College of Engineering Nashik' for his significant contribution in the field of Education and completion of eighty years of age.

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Distinguished alumni of the Institute were also felicitated by the Institute during this event. The names include: Ms. Priya Bagul-Uttarkar (Mechanical), Mr. Kailas Awhad (Production), Mr. Suchit Tiwari (Computer), Mr. Sandip Kulkarni (Electrical), Ms. Ashita Idnani (IT), Mr. Yogesh Suryavanshi (Chemical), Mr. Gulati Vijaymani (MCA), Mr. Alok Shrivastava (MBA), Mr. Shailesh Dhande (Electronics) and Mr. Dilip Krishnaji (Civil). Alumni gathered for this meet, shared their experiences and provided valuable suggestions for more effective working of Alumni association. Dr. P. J. Pawar, Secretary of alumni association proposed vote of thanks.

Lecture by Mr. Ganesh Hingmire of 'great Mission Group'

Mr. Ganesh Hingmire delivering lecture

Training and Placement Department organized an awareness programme on "Career in Patent and "Intellectual Property Rights" in our institute on 7th March 2013. This programme was jointly organized with Great Mission Group (GMC), Pune. Principal Dr. K. N. Nandurkar welcomed the dignitaries. On this occasion "Memorandum of Understanding (MoU) was signed with GMC for the formation of an "Intellectual Property Right" cell. Dr. K. N. Nandurkar informed that the objective of this cell is to make the Nasikites in general and specifically students and staff aware about the patents and process of patent filing. He appealed the students and staff to make use of this cell in filing the patents, to work as patent agents and patent examiners. On this occasion, Prof. Ganesh Hingmire, Chairman, Great Mission Group (GMC), Pune told the gathering that K. K. Wagh is the second Institute in the Maharashtra to sign this MoU after the College of Engineering, Pune.

Master Student Program

Certificates distributed by the hands of Trustee Hon. A.R.Merchant on 5th March 2013.

An ISTE Students' chapter of the Institute organized 'Master Student Program' on 1st March and 5th March 2013. This program is held every year since 2003 and this year, marked it's a decade of success. The theme usually revolves around the development of technical

and non technical skills that an Engineering student requires. The theme of this year's, Master Students Program was 'Aspects of becoming a Successful Engineer'. The theme was broadly classified into 14 subtopics which were presented by 14 selected speakers from Second Year Engineering and were mentored by 7 Third Year Engineering students. The program started with a presentation on 'What is Engineering?', and followed through topics such as 'Projects', 'Seminars', 'Time Management', 'Soft Skills', 'Getting ready for placement' and concluded with advise on opportunities after Engineering under 'What's next?'. To avoid a monotonous seminar, entertaining fillers were included. On 5th March 2013 the event was enlightened by presence of the Trustee of K. K. Wagh Education Society Hon. A. R. Merchant. He appreciated the theme for this year's Master Student Program. In his speech, he emphasized on the proper utilization of time during the Engineering course. He also mentioned that the students should focus on different aspects to become a successful Engineer. 130 students participated on each day of this event. According to student's feedback, they got the complete overview of the four years curriculum in Engineering.

International Women's Day Celebration

Mrs. Nalini Kulkarni, CEO, Amol industries, Nashik speaking on occasion of International Women's Day.

On occasion of International Women's day (8th March), the successful women entrepreneur Mrs. Nalini Kulkarni, CEO, Amol industries, Ambad, Nashik was invited by department of Management studies of our Institute. While interacting with students, Mrs. Kulkarni shared her experience about how she started with business and what inspired her to start the business. She guided students not to look up for the job, but try to develop the entrepreneurial skills and dream of setting up their own business. She asked students to identify the business opportunities in various fields and take benefit of it. She assured that she will definitely provide guidance to students interested in starting their own business.

Aiesec Programme For International Internship

Training and Placement Department organized an informative session with representatives of AIESEC (International Association of Students in Economic & Commercial Sciences) an NGO organisation was arranged in our institute on 9th March 2013. The intrested students of third year and final year have taken the benefit of this programme. AIESEC Established in 1948, is an international youth organization having a talent pool of 85,000 active members, 945,000 alumni spread across 113 countries, in partnership with 4500+ companies,

governmental organizations and non-profit organizations across the world. It offers its members leadership and international internship opportunities.

AIESEC programme for international internship on 9ᵗʰ March 2013

■ Karmaveer Football Tournament

Department of Sports & Physical Education organized the State level Karmaveer Football Tournament for the Engineering students from March 9ᵗʰ – 11ᵗʰ March 2013. Total 16 Teams from all over the Maharashtra participated in this tournament. This tournament was formally inaugurated by Hon. Shri. Vivek Sawant-MD, MKCL. Hon. Shri. Balasaheb Wagh, President K. K. Wagh Education Society, Hon. Shri. Kashinathdada Tarle, Vice President K. K. Wagh Education Society, Principal. Dr. K. N. Nandurkar, Prof. P. T. Kadve, Principal K. K. Wagh Polytechnic, Nashik were the dignitaries present. Hon. Shri. Vivek Sawant appreciated the effort and delivered an inspiring speech. K. K. Wagh Institute of Engineering Education and Research, Nashik won the Tournament for the second consecutive time.

Inauguration of Karmaveer Football tournament on 9ᵗʰ March 2013

■ KARMAVEER EXPO 2013

Department of Electrical Engineering of our Institute organized "IET-Karmaveer Expo'13 during March 22-23, 2013 in association with IET Mumbai local network. This is national level project/model contest, for the student of Engineering & Technology. Models were divided in two groups. The models based on applications of Civil, Mechanical, Production, Chemical, Textile Engineering, etc. were placed in

Group-II & the model based on applications of Electrical, E & TC, Computer, IT were placed in Group-I. The total prize amount was Rs. 2,50,000/- in Expo'13. For the inauguration Hon. Shri. Balkrishnam, MD TDK India was chief guest. Hon. Shri. Balasaheb Wagh, Chairman, K. K. Wagh Education Society, Hon. Shri. Kashinathdada Tarle, Vice Chairman, Principal Dr. K. N. Nandurkar, Mr. Rajesh Patwardhan & Mr. Chaudhari from IET Mumbai local network and Prof. Dr. B. E. Kushare, HOD (Electrical Engineering) were present on the dais. For the concluding of IET Expo'13 on March 23,2013 Hon. Shri. Freddy Dinshaw was chief guest.

Prize winning projects in Expo'13 are as follows :

Group I :

- First Prize of Rs. 75000 Jointly won by M. Bharat, Mohamed Muzammil Tanveer B, Satiskumar K, N. Karatickeyan, Sarvan Raj S.V., Mohamed Alshams M from Er. Perumal Manimekalai College of Engineering, Hosur, Krishnagiri (DT) Tamil Nadu and Shantanu Kode, Siddharth Munot, Tejaswini Reddy from PVPIT, Pune.

- Second prize of Rs. 30,000 Jointly won by Sagar P. Repale, Hemanshu B. Shishupal, Santosh B. Shinde, Mahavir Khartode from Padmabhushan Vasantdada Patil Institute of Technology, Pune and Himanshu Rana, Titiksha Paranjape, Aditya Gaikwad, Ashish Mhaske from K.K.W.I.E.E. & R., Nashik

- Third Prize of Rs. 20,000 Jointly won by Aditi Thatte, Ambarish Thakur, Bhagwat Patil, Chaitanya Kulkarni from Padmabhushan Vasantdada Patil Institute of Technology, Pune and Punam Upaddhaiya, Pooja Dube, Amrita Gupte, Lean Peter, Gautam Kumar from SSBTCOET, Bhambori-Jalgaon.

Group II:

- First Prize of Rs. 75000 won by Shashank Razdan, Kunal Dani and Mohit Kariwala from K.K.W.I.E.E. & R., Nashik

- Second prize of Rs. 30,000 won by S. K. Azhar Ahmad, Mahendar Kumar Verma and R. Naveen Venkatesh from Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad.

- Third Prize of Rs. 20,000 won by Nachiket Karandikar, Neha U. Navaghare and Prakash Vyawahare from K.K.W.I.E.E. & R., Nashik.

Inauguration of Karmaveer Expo'13 on 22ⁿᵈ March 2013.

■ ECLAT-Invasion-13

Department of Production Engineering in association with Production Engineering Students' Association (PESA) had organized a technical event, "ECLAT-INVASION-13" during March 19-20, 2013. There was an overwhelming response from students of engineering institutes located in North Maharashtra region. The event was inaugurated by Mr. Om Moharir, Director, Moharir Auto, Nashik, who is a alumnus of department. Prof. S. B. Chandgude, Head, Dept. of Production Engg. & Convener of this event and Faculties of Production Engineering Department were present on this occasion. Number of innovative events such as PPT, A-Team, Pro-Destiny- 2D & 3D, Save the Eggstranaut, Drafix, Roborace, Brain Buster, and Soma's Cube were conducted during these two days. The valedictory function of the said event was organized on March 20, 2013. Mr. Rishikesh Gaikwad, Director, Gurudev Professional Institute, Nashik was the chief guest for this function. He gave away the prizes to the winners in different events.

Mr. Om Moharir, Chief Guest of inaugural function of 'ECLAT-INVASION-13' gets felicitated by the hands of Prof.S.B.Chandgude, Head of Production Engineering.

■ FORCE 2013

The cheque of Rs. 15000/- was handed over to Sakal relief fund as a part of Social responsibility of CESA by the hands of Principal Dr. K .N. Nandurkar.

Civil Engineering Students Association (CESA) organized Force -2013 with social theme जागर पाण्याचा उत्कर्ष मानवाचा during 20th March to 22nd March 2013. Looking at draught condition in country and especially in Maharashtra, the theme was selected to awake the society for optimum utilization of available water resources. In this festival, along with technical activities, some social events were also organized viz. Street play, Documentary, Poster Presentation and Snap hunt. The final round of street play competition was held at Shalimar Chowk, Nashik in presence of Er. R. K. Pawar (S. E. Water Supply, NMC, Nashik). At the same time the cheque of Rs 15000/- was handed over to SAKAL RELIEF FUND as a part of Social responsibility of CESA by the hands of Hon. Principal Dr. K. N. Nandurkar and Head of Civil Dept. Dr. Pradip D. Jadhao on World Water day i.e 22nd March.

■ EQUINOX – 2013

The Department of Computer Engineering and MCA had jointly organized seventh National Level Technical Symposium EQUINOX - 2013 on 22nd and 23rd of March 2013. More than 1300 students from different parts of country participated for the same. Various events such as C & C++ Programming, Web designing, Project competition, Networking workshop, Robot war, Aptitude Test etc were organized. Mr. Shekhar Paranjpe, Ex- Chairman of Computer Society of India inaugurated the event and Mr. Anil Goel, Vice President of Accenture Ltd., Mumbai was invited for valedictory function. Prof. W. W. Pingle and Prof. Mayur Sonar coordinated the event.

Mr. Anil Goel, Vice President of Accenture Ltd., Mumbai addressing in the Valedictory function of Equinox 2013

■ TELEKINESIS-2013

The department of E & TC organized two day National level student competition 'Telekinesis2013' on 19th and 20th March 2013. The Chief Guest for the inauguration was Mr. Kulwantkumar Sarangal, Commissioner of Police, Nashik and guest of honor was Mr. Dhananjay Bele, President of NIMA, Nashik. Hon. Chairman of K. K. Wagh Education Society Shri. Balasaheb Wagh felicitated both guest on this occasion. The Competition received very good response and participants came from all corners of Maharashtra and outside.

Mr. Kulwantkumar Sarangal, Commissioner of Police, Nashik felicitated by the hands of Chairman Shri. Balasaheb Wagh.

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MECHEAVEN - 2013

Department of Mechanical Engineering organized Mecheaven-2013, National level student symposium comprises of 13 events like Robo race, Bulls eye, lathewar, Nitroxx, Robosoccer, Bikemaniakz, Designers Arena, Clickit, Treassure Hunt, Recruitment champ, contraption, paperpreneur which gave a platform all the   Engineers out there who are ever-so-full of creative, technical and sometimes even seemingly impossible ideas. Air model exhibition and air show was organized this year which the attention of all. Mecheaven2013 has Inaugurated by Mr Vivek Gogte (Ex President NIMA and well known, Entrepreneur) and Mr. Hemraj Rajput (ACP Nashik). Prize distribution ceremony was conducted in presence of Dr Arun Jamkar (Vice chancellor, MUHS, Nashik) & Dr Abhay Jere, President, Persistent Labs, Pune

Dr, Arun Jamkar (Vice Chancellor MUHS Nashik) speaking on occasion of prize distribution function of Mecheaven 2013 on March 22, 2013

CHEMFEST-2K13

Inaugural function of "CHEMFEST-2K13", National Level Symposium 20ᵗʰ March 2013

The Department of Chemical Engineering has organized "CHEMFEST-2K13" a National Level Symposium on 20ᵗʰ & 21ˢᵗ March 2013. This event includes different competitions like Paper presentation, Model making, advertisement, poster drawing and quiz competition. The symposium got very good response from students from different Colleges and different Universities from all over Maharashtra and outside. More than 215 students participated in this event. Dr. P. V. Vijay Babu, Professor & Head of Chemical Engg. Department from Br. BATU Lonere, Dist-Raigad was Chief Guest for

inaugural function & Mrs. S. D. Deshmukh, Director, Delta-Finochem Pvt., Ltd., Nashik was Chief Guest for valedictory function.

ITiazza'13

The Dept. of Information Technology hosted a two day National Level Technical Symposium, ITiazza'13, on 20ᵗʰ and 21ˢᵗ March, 2013. The Symposium comprised of Project Contest, C-Programmng, Aptitude Test, Group Discussion Contest, Quiz Contest and Poster Competition. The event promoted a theme of "Celebrating Youth". The Symposium was inaugurated at the hands of Mr. Rohit Kulkarni, Director, Neumann Systems and Consultancy. In his address on "Skill set Requirments of software industry", he encouraged students to develop good reading habits. Cash Prizes worth Rs.35,000/- were distributed at the hands of the Chief Guest of the Valedictory function, Mr. Sunil Kahndbahale, Founder, Khandbahale.com. In his address on "Youth Empowerment through Social Computing", he narrated his journey during built up of the popular dictionary website. He also appealed students in developing projects which are useful to the society. Hon. Balasaheb Wagh, Chairman, KKWES and Principal Dr. K. N. Nandurkar appreciated the efforts by students for the successful organization of this event.

Hon. Balasaheb Wagh felicitating the Chief Guest of valedictory function Mr. Sunil Kahndbahale.

State Level Seminar on "Simulation Modelling in Manufacturing & Service Industry"

Department of Production Engineering had organized Two-days State Level Seminar on "Simulation Modeling in Manufacturing & Service Industry" during March 1-2, 2013. This seminar was sponsored by University of Pune. Aim of this seminar was to increase awareness of Simulation Techniques in Manufacturing and Service industry. Programme was inaugurated by Mr. Anupam Patil, Senior Manager, Mahindra & Mahindra Ltd., Pune. He highlighted importance of digital manufacturing in today's era. In his keynote address, he demonstrated importance of simulation in productivity improvement. Dr. Dinesh Thakur, Associate Professor, DIAT, Pune, Priydarshan Pradhan, TTL, Pune, Principal Dr. K. N. Nandurkar, Dr. P. J. Pawar, Prof. V. D. Wakchaure, AVCOE, Sangamner, and Dr. V. D. Barve were the main speakers. Use of simulation in metal cutting &

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experimentation was presented by Dr. Dinesh Thakur, whereas Mr. Pradhan highlighted a corporate approach towards simulation. Dr. K. N. Nandurkar presented a case study of Manufacturing Industry by using Pro-model software and use of meta-model in the field of simulation. Dr. P J Pawar expressed his views on optimization techniques in simulation. Prof. V. D. Wakchaure explored application of simulation in the area of joint implementation of TQM, JIT and TPM. Dr. V. D. Barve lively demonstrated use of different software freely available on internet, like Geogebra, Lingo, Google sketch etc., which can be used in academics & research field. Around 33 participants from all over Maharashtra attended this program.

From left to right- Dr. P.J. Pawar, Prof. S.R. Gangurde, Dr. V. D. Barve, Mr. Anupam Patil, Prof. S. B. Chandgude & Dr. K. N. Nandurkar during inauguration of Seminar.

Lecture By Mr. S. R. Karode

Lecture by Mr. S. R. Karode was organized in the Institute to review the follow up done by newly recruited faculty members who attended his previous induction training sessions during the last semester on 30th March 2013. Faculty members made effective presentations on various topics.

Mr.S.R. Karode delivering lecture

Expert Lecture/Seminar/Courses/Worshop Organized:

- The Department of Computer Engineering had organized an expert lecture on 'Management and Information Systems' for T. E. Computer Engineering students on 2nd March 2013 by Mr. Pradeep Ghare from Rishabh Industries, Nashik.

- Electronics & Telecommunication Engineering Department organized seminar on "GATE 2014" by Mr. Krunal Sir, GATE solutions on 8th March 2013.

- Department of Mechanical Engineering organized two days workshop on 'Robotics' in association with Company named 'Campus Component' Pune for students on 18th and 19th March 2013.

- The department of Electrical Engineering organized a national level paper presentation conference PSRES 2013 during 22-23rd March 2013.

- The Department of Information Technology organized a seminar on 'Job Seekers to Job Creators' by Mr. Ravi Jha (Alumni 2010 Batch), System Engineer, Zensar Technologies, Pune on 12th March, 2013. Same department organized Computer Graphics Mini project Competition for second year students on 12th March, 2013. Total 28 groups participated in this competition. Swarthy Babu, Kajal Shah & Tarul Shah stood first in this competition.

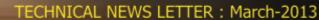### Seminars / Workshop / Training Attended By Staff:

- Principal Dr. K. N. Nandurkar and Prof. P. T. Kadave attended the Skillcon India Conference at Hotel Westin, Pune during March 12-13, 2013. It was organized by Maharashtra Chamber of Commerce, Industries and Agriculture and EDGE Forum with focus on Maharashtra.

- Prof. A. V. Karanjkar, Prof. R. C. Chumble & Prof. N. R. Kadam of department of Mechanical Engineering attended two day workshop on "Vibration, Noise, Measurement & Control using FFT Analyser" at SVIT, Chincholi during 15th & 16th March 2013. Same departmental staff Prof. A. S. Patil attended one day workshop on "Recent trends in industrial tribology" at MIT Pune on 20th March 2013.

- Shri S. S. Khaire of Department of Electronics & Telecommunication Engineering attended three day self development programme during 9th to 11th March 2013 at K. K. Wagh Polytechnic, Nashik.

- Prof. Dr. S. S. Naik of Applied Science Department attended Workshop on "Engineering Mathematics syllabus revision" organized by Keystone School of Engineering, Pune in association with University of Pune on 12th March 2013.

Papers Presented By Students in March 2013:

Total 39 students participated in various paper presentation competitions

- Ms. Neha More & Ms. Pranjali Prabhune of Computer Engineering department secured 2nd Prize in paper presentation at Government College of Engineering, Jalgaon during 1-2 March 2013. Ms. Nikita Bedmutha & Ms. Punam Birari secured 1st Prize in Paper Presentation at Pravara Rural College of Engineering, Loni during 6-7th March 2013. Rashmi S. Phalak & Yugandhara P. Shinde secured 1st Prize in Paper Presentation at P. E. S. College of Engineering, Aurangabad during 8-10th March 2013. Same departmental student Sheetal S. Badgujar secured 2nd Prize in Paper Presentation at PICT, Pune during 29-30th March 2013.

- Ms. Priyanka Gavad and Ms. Bhagashri Borse, students of MCA [FY] has won second prize in Bizz Tycoon Contest at KKWIEER in Equinox-2013. Also Mr. Hitesh Borse student of MCA [FY] has won first prize in Spider Web Contest at KKWIEER in Equinox-2013.

- Kaustubh Agnihotri & Shayam Singh secured 3rd Prize in Paper Presentation in PSRES-13 at KKWIEER Nashik. Srushti Shah of TE IT won the "Seed IT Idol" contest jointly organized by Seed Infotech Limited and University of Pune on 16th March, 2013.

Industrial Visits Organized by Department For Students:

Date	Class	Name of Company
01/03/2013	S.E. Electrical	(1st & 2nd Shift) - Link Servo Ltd., Ambad, Nashik
05-07,3/13	T.E. Mech.	Government Dairy, Nashik
08/03/2013	T. E. (E & TC)	Shivananda Electronics, Deolali Camp, Nashik
09/03/2013	B. E. Electrical	Crompton Greaves Ltd., Ambad
13/03/2013	B. E. Electrical	Schneidar Electrical, Ambad
17/03/2013	MBA I	Power Deal Energy Systems Pvt., Ltd.
17/03/2013	MBA I	Karmyog Engineers Pvt., Ltd.
18/03/2013	B. E. Electrical	Kalwa Simens Ltd., Kalwa, Thane
25/03/2013	B. E. Mech.	JAY BEE Industries,Panchakula, Chandigarh
25-26/3/13	T. E. Mech.	Pinnacle Mall, Nashik
28/03/2013	T. E. Prodn.	M/s. Shree Engineers, Ambad

Training & Placement :

Name of the Dept.	Name of Company	No.of students selected
Computer Engg.	Aress Software	06
	BOSCH, Nashik	01
Civil Engg.	BOSCH, Nashik	01
E & TC	BOSCH, Nashik	01
Mechanical Engg.	JSW Steel, Vijay Nagar,Karnataka	05
Electrical Engg.	JSW Steel, Vijay Nagar,Karnataka	01
MBA	HDFC Sales	02
	Airtel	04

Other Achievements

- Principal Dr.K.N. Nandurkar attended the meeting of India-China Center at Timeless Learning Technologies, Pune on 28th March 2013. This meeting was addressed by Mr. P. S. Deodhar (Chairman, Aplab Companies) and Dr. Prakash Ambegaonkar, Founder CEO of Bridging Nations Foundation.

- Dr. S. S. Sane, Head of Computer Engineering Department delivered a talk on "Data Mining" for faculties from Maharashtra who run study centers of YCMOU on March 24th at YCMOU, Nashik. Mayuri Khardikar, alumni of Computer Engineering Department of 2011-12 batch obtained 61.13 marks and scored 35th All India rank in GATE 2013 Examination. Total 6 students qualified GATE 2013 Examination.

- Prof. Dr. B. E. Kushare, Head of Electrical Engineering offered Electrical consultancy services to Bosch Ltd., Nashik, Crompton Greaves Ltd, Nashik and Graphite India, Satpur, Nashik. Same departmental staff Prof. S. S. Dhamal delivered export lecture at SNDCOE, Yeola on "Transformer Design" on March 11, 2013.

- Prof. Shilpa P. Mene worked as a judge for the project competition held at Matoshri College of Engineering on 9th March, 2013.

- Prof. Rupali M. Bora delivered expert lecture on "System Software Programming" at Sandip Institute of Technology on 22nd March, 2013. She also worked as a judge for the project competition held in "Equinox 2013" organized by the Dept. of Computer Engg. on 22nd-23rd March, 2013.

- A team of Professors from Italy visited our Institute on 18th March 2013 to explore the possibility of student / staff exchange and joint research projects.

Abstracts Of Papers Presented :

A state space approach for temporal link prediction

Mr. Kushal P. Birla and Prof. S. M. Kamalapur

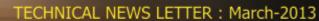(Presented at cPGCON Conference at PICT Pune during 29 – 30th March 2013)

Abstract:- The ability to predict links among data objects is central to many data mining tasks such as social network, business analytics, and recommendation system. A substantial literature has adapted static graph presentation where a snapshot of network is analyzed to predict hidden or future links, those are based on node wise similarity-distance based approaches or topological pattern based methods. Further, forecasting methods to setup reasonable expectations for future links (events) are mainly based on properties of relevant historical data (time-series) these model expresses relationship between what the past evidence about link in objects shows and what could possibly take place in future. In general, link prediction problem is modeled as, given link data for times 1 through T, the task is to predict links at time T+1, And if data has underlying periodic structure, upto what extend predictions can be made in future time $T+2, T+3, \ldots, T+k. (k>0)$. Current approaches do not explicitly handle dynamic user preferences and thus proposed work is contributed for development of interactive framework that considers temporal evolutions of link occurrences to predict and forecast link occurrence probabilities at particular time in future.

Content based image retrieval using Local Tetra Pattern

Miss. Mayuri R. Borse & Prof. J. R. Mankar

(Presented at cPGCON Conference at PICT Pune during 29 – 30th March 2013)

Abstract:- Content based image retrieval is an important area of research wherein a query image is searched according to the visual contents like color, shape, texture etc. from the huge database of images. The CBIR provides relevant retrieval if the features are extracted effectively. In a proposed approach, a new feature descriptor that is modified local tetra pattern (MLTrP) is used. Previous methods such as local

binary pattern (LBP) and local ternary pattern (LTP)are able to encode the relationship between the referenced pixel with its neighbourhood pixels by computing gray level difference. The proposed approach encodes the relationship between the referenced pixel and its neighbours based on the directions that are calculated using first order derivatives in horizontal, vertical and diagonal directions. Performance of the system will improve in terms of precision and recall. The performance of the proposed system is compared with the existing method.

Content Based Image Retrieval using Vector Quantization

Miss Prerana Karnik & Prof. Nitin Shahane

(Presented at cPGCON Conference at PICT Pune during 29 – 30th March 2013)

Abstract:- Image Retrieval and Image Compression have received considerable attention in past. However very few advances have been made that addresses these both problems simultaneously. This paper presents a novel approach on content based image retrieval using vector quantization. Vector Quantization is generally used for image compression. In this compression technique encoding takes place on a block of pixels instead of single pixels. This feature of Vector Quantization not only reduces the size of image but also retains the spatial features of image. Because of this quality vector quantization is a good candidate for image retrieval.Vector quantization is technique which produces a codebook. This codebook is used for encoding and decoding the image, which is used as one of the feature vector for retrieval. The main concern while using this technique is the size of codebook. More is size of the codebook more accurate is the retrieval. But time of retrieval increases, which is not desirable. The proposed work introduces an incremental approach for codebook generation. One global codebook is created from all local codebooks thus implying incremental approach. By using this approach indexes generated after encoding become more scalable, hence efficient retrieval. similarity measure is given by graph of precision and recall values.

Content Extraction from Deep Web Pages using Visual Approach

Miss. Sumedha K. Chumble & Prof. S. M. Kamalapur

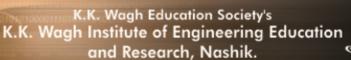(Presented at cPGCON Conference at PICT Pune during 29 – 30th March 2013)

Abstract:- The World Wide Web has large amount of data which is stored in web databases and these web databases can be searched through their web query interfaces. The web pages resulted by search engines are called surface web which can be accessed without accessing web databases while deep web can be accessed only by websites interfaces. It is inaccessible to search engines. Deep web pages have complex structure therefore extracting data from these web pages is critical problem. Solutions to this problem are typically web-page-programming language dependent.web pages are designed using HTML and HTML is frequently evolving to newer versions. To make web pages better in presentation, more and more presentation techniques are included into the web pages by web page designers. This makes structure of web page more complex. Previous systems for deep web data extraction have some limitations. First, they are HTML dependent because they are based on analysing HTML source code of deep web pages. Second, they are unable to handle frequently increasing complexity of HTML source code of web pages. This motivates to seek a different and efficient approach for deep web data extraction and to overcome limitations of previous works by using visual features. Visual features of web pages can be used for deep web data extraction. The vision based system obtains visual representation of a given deep web page and converts it into Visual Block Tree. This Visual Block Tree helps to identify data region which contains the useful information to be extracted. After removing noise blocks a filtered data region is further processed to extract data records and data items and put them into structured format. Finally Visual wrapper gets generated for web database to which a given deep web page belongs. This improves efficiency of deep web data extraction as compared to previous method.

Deep Web Content Extraction Approaches

Sumedha K. Chumble & Snehal M. Kamalapur

(Presented at cPGCON Conference at PICT Pune during 29 – 30th March 2013)

Abstract:- The World Wide Web has large number of web databases and these web databases can be searched through their web query interfaces. The web pages resulted are said to be surface web which can be accessed by search engines without accessing web databases while deep web can be accessed only by websites interfaces. It is inaccessible to search engines. Deep web pages have complex structure therefore extracting data from these web pages is critical problem. Solutions to this problem are typically web-page-programming language dependent. This paper studies some deep web data extraction techniques. A different way for deep web data extraction to overcome limitations of previous works is using visual approach. Visual features of deep web pages are used as primary concern to extract contents from deep web pages. It includes both data record extraction and data item extraction. Visual wrapper gets generated for web database to which a given deep web page belongs.

K.K. Wagh Education Society's
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TECHNICAL NEWS LETTER : March-2013

■ DIDS Using Fuzzy Logic

Smita Patil

(Presented at cPGCON Conference at PICT Pune during 29 – 30th March 2013)

Abstract:- Intrusion Detection System (IDS) technology is an important component in designing a secure environment. Alert aggregation is an important subtask of intrusion detection. The goal is to identify and to cluster different alerts produced by low-level intrusion detection systems using, firewalls, etc. belonging to a specific attack instance which has been initiated by an attacker at a certain point in time. Thus, meta-alerts can be generated for the clusters that contain all the relevant information whereas the amount of data (i.e., alerts) can be reduced substantially.Distributed IDS using fuzzy genetics-based learning algorithm systems are Systems (IDS) over a large network, all of which communicate with each other, or with a central the next logical level for IDS systems to move to. A distributed IDS (DIDS) consists of multiple Intrusion Detection servers that facilitates advanced network monitoring, incident analysis, and instant attack data. A dIDS also allows identifying threats to the network across multiple network segments. to detect intrusion in a computer network in fuzzy genetic learning algorithm is used, which is based on fuzzy ifrules. Genetic algorithms have been used to as a rule generation and optimization tools for the design of fuzzy rule based systems. & it will generate alerts & it will transmit alerts to server end.

■ Curvelet Based Image Indexing and Retreival

Suruchi G. Bapat & Prof N. M. Shahane

(Presented at cPGCON Conference at PICT Pune during 29 – 30th March 2013)

Abstract:- To improve existing CBIR performance, it is very important to find effective and efficient feature extraction mechanisms. Texture features effectively describe the distinguishing characteristics between images. Discrete curvelet transform is one of the most powerful approaches in capturing edge curves in an image. Related works on curvelet features are also investigated and it was observed that existing curvelet transformations have high computational costs due to large size of feature vector. Vector Quantization can provide a way of better exploiting the spatial information.

■ RF module development for HMI-human machine interface

Miss. Snehal D. Patil & Mr. Alankar Dhobale

(Presented at Rizvi College of Engineering, Bandra, Mumbai during 29 – 30th March 2013)

Abstract:- Programmable logic controllers (PLC) are used to implement functions such as logic, timing, sequencing, counting and arithmetic in order to control machines and processes. PLC has the great advantage that the same basic controller can be used for wide range of control systems. In order to communicate with input output devices various buses are used, this increases wiring and hence complexity of system. To overcome drawbacks of conventional systems, we can use RF transreciever for communication with input output devices. RF transreciever works in ISM band. Also, in order to enhance the functionality of application we can use Human Machine Interface (HMI). HMI acts as an interface between human and device being controlled. HMI device used is from Flexi Panel series. Flexi panel support operator as well as programmable logic features. The user can implement logic, specific to application using standard ladder programming. Flexi Soft software is used for the same. Flexi Soft is used for designing screens for the application. The Flexi Panel operator interface revolves around the screens and tasks that can be assigned to the screens and applications. The basic idea behind the project is to develop RF module for HMI device so that the wiring problem can be overcome. The home appliance can be made on and off from HMI. The control signal to home appliance is transmitted through CC1101 trans reciever from Texas Instruments. Hardware schematic layout is prepared in OrCAD Capture.
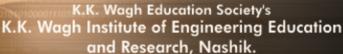
■ Strength appraisal of High Grade Concrete by using High Reactive Metakaolin

Dr. Pradip D. Jadhao & Shelorkar Ajay P.

(Published paper in International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 3, March 2013)

Abstract:- The need of High Grade Concrete is increasing day by day . Also, the availability of natural sand which is a major component of concrete is becoming difficult. With the use of artificial sand instead of natural sand for producing High-grade concrete by using High Reactive Metakaoline may solve the problem. Hence the investigation was carried to study the effect of metakaolin addition on compressive strength and rapid chloride permeability of concrete. The tests were carried out on concrete specimens with 0, 4,6 and 8 % replacement of cement by metakaolin . It was observed that there was a substantial increase in compressive strength and reduction in rapid chloride permeability due to metakaolin addition in concrete. Hence it was concluded that metakaolin clay is the best material for producing high grade concrete with an improved engineering properties.

Keywords: Artificial sand, Core sample, High grade concrete (HGC), High Reactive Metakaoline, Rapid chloride permeability Test

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TECHNICAL NEWS LETTER : March-2013

■ Feature Analysis and Classification of Musical Instrument Sounds

Amrit Pal Kaur, D. M. Chandwadkar & M. S. Sutaone
(Presented at Rizvi College of Engineering, Bandra, Mumbai during 29 – 30th March 2013)

Abstract:- Lot of research has been done on speech signal but music signal is different from speech signal, therefore for recognizing musical instrument there is a need of designing a different system. Selection of effective feature set for identifying musical instruments is a crucial job. Here we have designed an automatic instrument identification system. In this paper we have discussed the role of various features for classifying musical instruments with two different classifiers. We have tried to identify musical instruments using monophonic signals. For experimentation we have used five musical instruments: Flute, Piano, Trumpet, Guitar & Xylophone. From each audio signal of the database we have extracted eleven features and these features are used for training the classifiers. The trained classifiers are then tested to identify musical instruments using unseen signals. It is observed that the identification accuracy depends on the features used as well as the classifier. This analsis helps to select the desired classifier with desired feature set. With a single feature (spectral skewness) classification accuracy of 94.47% is recorded using k-NN classifier. Classification accuracy of 97.8% is observed with all features used together, SVM as classifier and for flute and trumpet it gives 100% accuracy.

■ **Key Words:** Musical Instrument Identification, feature analysis, classification

Social Media: Relevance in Dynamic Paradigm of Businesses

Prof. Keki Kashyap (Paper Presented at SNJB's KBJ COE during 9 -10th March 2013)

Abstract:- Is your business going with the social media wave? New researches show incredible opportunity for businesses that use social media. More than 70 percent of organizations operating around the world are now active on social media. It is interesting to note that over 2.5 million organizations have presence on at-least one networking site in addition to their corporate websites. Many are finding significant benefits and unexpected risks along the way. Social media is rapidly moving up the boardroom agenda, regardless of industry group or ownership structure. This research aims at analyzing the impact that social media has on business beyond marketing. The research puts forth that social media encompasses many more functions of the organisation than just marketing. Social media offers new alternatives that help in addressing time-consuming and increasingly complex information tracking challenges by organizing all communications in a central space. Whether your feelings about social media are good, bad, or indifferent, the power of this technology is hard to deny. If embraced holistically and approached with a good dose of caution, it can become a strategic asset in an increasingly competitive business environment.

Poster Presentation

Street Play Competition

Invasion 114

Mecheaven

Prof. Dr. K. N. Nandurkar
PRINCIPAL