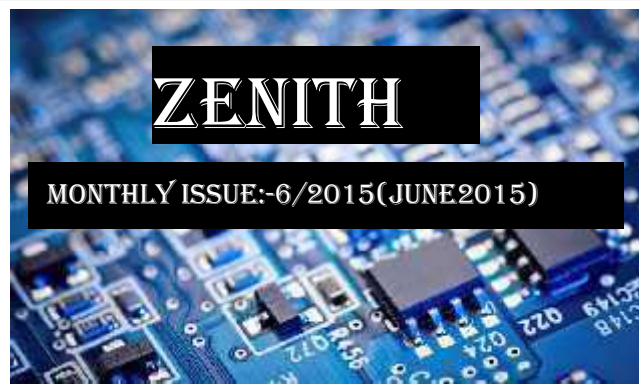




### VISION

To achieve excellent standards of quality education by keeping pace with rapidly changing technologies and to create technical man power of global standards in Electronics Engineering with capabilities of accepting new challenges.



#### EDITORIAL BOARD

Dr.S.S.Dorle  
Prof.M.M.Pathan

#### STUDENT COORDINATOR

Mr.Saikat Banerjee

### MISSION

To impart quality and value based education to raise satisfaction of all stakeholders. To create competent professionals who are trained in the design and implementation of engineering systems and to contribute towards the advancement of engineering, science and technology. Our endeavor is to provide all possible support to promote research & development activities in the field of Electronics Engineering and allied areas.

### PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

The graduates shall

1. Apply technical skills to find solution of complex problems encountered in Modern Electronics Engineering practice.
2. Function effectively in the world of rapidly changing technologies in the broad context of Electronics Engineering and to develop products and technologies in service to mankind.
3. Satisfy Stake holders, Quality Assurance & take up higher studies in Electronics and allied areas in engineering & management.
4. Use their skills in ethical and professional manner to contribute to research & development & Innovative products.

### PROGRAMME OUTCOMES (POs)

1. Apply knowledge of mathematics, science, generic engineering skills and core engineering to electronics engineering applications and system design.
2. Identify, formulate and solve electronics engineering problems by using research-based knowledge and standard processes including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
3. Design engineering systems at component/process level to meet desired needs with appropriate consideration for the public health and safety.
4. Conduct investigations of problems, locate, search and select relevant data from data sheets, standard data bases and literature review, open ended experiments, reverse engineering and testing in order to provide valid conclusions and carryout demand driven research activities and innovation.
5. Use appropriate techniques, skills, and modern engineering tools including simulation and modeling necessary for defining engineering problems with hypothesis.
6. Understand professional responsibility by applying reasoning and knowledge to assess health, safety, legal, contemporary and cultural issues and the consequent possibilities relevant to the professional engineering practice, ethics and code of conduct defined by leading professional society like IEEE.
7. Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
8. Demonstrate knowledge & understanding of engineering management principles finance & project management.
9. Communicate effectively with engineering community and society at large through technical report writing, design documentation, project reports, effective presentations and to give and receive clear instructions.
10. Engage in life-long learning by adapting to rapidly changing technologies of electronics engineering and allied areas.

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## Dr. S. S. Dorle from Department of Electronics Engineering, GHRCE Nagpur attended MCEP Training at IIM Udaipur

Dr. S.S.Dorle Professor and Head of Electronics Engineering Department of G. H. Raisoni college of Engineering, Nagpur had attended Training on Management Capacity Enhancement Programme (MCEP) during June 8 to 13, 2015 under TEQIP-II at IIM, Udaipur.

Training is only for the administrators and senior faculty members of the TEQIP Institutions. Training focuses on the Building an Institution of Excellence, Team Building, Strategy Formulation, Information Technology and MIS, Leadership challenges in Educational Institutes, Time management, understanding Financial aspects of the organization, Risk Management, Human Resources, Library Management, Project Management, HR Challenges in Educational Institutes, Curriculum Design and Review and Industry- Oriented Research.

All the above topics were covered with case studies by faculty members of IIM Ahmedabad, IIM Bangalore, IIM Udaipur and Industry persons. I am thankful to the management and Director of the institute for giving me an opportunity for attending such a wonderful training at IIM Udaipur.



### Department of Electronics Engineering, GHRCE, Nagpur organized Short Term Training Program.



Department of Electronics Engineering, G.H. Raisoni College of Engineering, Nagpur-16 had organized Short Term Training Program [STTP] on "Advanced Controller & It's Application to Engineering System" with GHR Labs & Research Center and GHRCE ARAV Technologies, Nagpur under TEQIP-II from 01st to 05th June 2015.

The inaugural function was followed by five days LabVIEW STTP workshop for the faculty members, wherein 19 faculties participated. The workshop was conducted by industry person of ARAV Technologies, Nagpur along with one on-field industrial interaction at unique automation Pvt.Ltd.,Nagpur. Head, Electronics Engineering highlighted the departmental activities and plans for the academy in his speech. The event was organized by Department of Electronics Engineering, wherein Dr. S.S. Dorle , Dr. D.V. Padole, Prof. S.D. Giripunje , Prof.S. V. Bhalerao, Prof.K. N. Dekate, Prof.T.G. Deotale and other faculty members combined their efforts to make it a success.

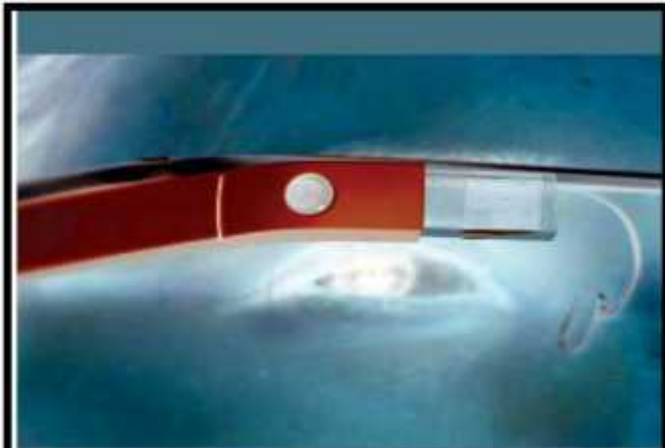
### "INTERDISCIPLINARY APPROACH ON VARIOUS APPLICATIONS IN LABVIEW" short term training program at GHRCE Campus, Nagpur was organized by Department of Electronics Engineering.



Department of Electronics Engineering Organized Short Term Training Program on "INTERDISCIPLINARY APPROACH ON VARIOUS APPLICATIONS IN LABVIEW" at GHRCE Campus, Nagpur under TEQIP-II from 25th May to 29th May 2015.

The inaugural function was followed by five days STTP workshop for the faculty members, Researchers and Industry persons, wherein 14 faculties participated. The workshop was conducted by experts from the industry of ARAV Technology. The event was organised by the Department of Electronics Engineering, wherein Prof N.P.Wyawahare, STTP Coordintor, Dr.S.S.Dorle ,HOD ETRX , and other faculty members with Chief guest Mr. Ashish Uttarwar CEO ARAV Technology and their engineers augmented their efforts to make it a success. The STTP was concluded on 29th May 2015 with certificate & STTP distribution. Corodinator would like to thanks Dr.P.R.Bajaj,Director GHRCE for support & motivation.

# ONE PERCENT TECHNOLOGY.....TAKE A PEAK!



## Glass helps blind people see the world

"OK Glass, recognise this." That's all a visually impaired user of new software running on Google Glass has to say to find out the worth of the banknote they're holding, or the brand of the bottled water they've picked up in a shop. The system was developed by Rajat Bhageria, at the University of Pennsylvania, with two fellow students at a hackathon.



## Google Glass: dead or quietly evolving?

Glass shut up shop last week. Google said its high-profile wearable computing project was "graduating" from its original home in the company's secretive X lab, and that it is still working on new versions of the device. The firm also said it was closing its Explorer scheme for developers to get their hands on Glass. Many interpreted this as Glass being discreetly eased out of the limelight.

It wouldn't be a huge surprise. The device was unwieldy and had bad battery life, a terrible display and limited input options. Its unappealing aesthetic, combined with the potential for surreptitious video recording, earned its wearers the nickname Glassholes.

But it's unlikely that Glass is indeed dead. Consumers may have rejected its high price tag, but business and industry were kinder. Surgeons, who value hands-free access to patient data, were particularly keen.

And although Google's initial foray into spicing up our field of view may be over, a future in which computers augment our senses is still very much on the cards.



## Raking robot's insta-art at the beach

No, it's not alien art. A robotic beach artist has created giant drawings in the sand. Developed by Paul Beardsley from Disney Research Zurich and colleagues at the Swiss Federal Institute of Technology, the wheeled robot can recreate a drawing sent to it from a phone or tablet. It computes a path across the sand that approximates the artwork and sets off. A rake attached to its rear etches the pattern in the sand. Each drawing takes about 10 minutes, and the idea is that the robot could be controlled remotely, allowing a beach to be turned into a digitally controlled sketchbook. It was presented at Techfest in Mumbai, India, in late December.



## Robo-jazz band gets freestyling

Dig those robot grooves. Mason Bretan at the Georgia Institute of Technology in Atlanta has released a video showing him playing a jazz song with four robot musicians. Two bots play composed percussion while a third creates an original tune, although they play music through speakers rather than wielding instruments. But the fourth robot, a larger four-armed bot called Shimon, pictured, improvises on the marimba, showcasing its ability to get into the right position to hit the right notes. Watch them at [bit.ly/robojazz](http://bit.ly/robojazz).