

**20th Century was of Mahatma Gandhi,
21st Century would be of Gandhian Engineering
----- World renowned scientist Dr. R. A. Mashelkar**

“Engineers always aspire for efficiency. They always look for ‘getting more from the less’. The freedom fighter and father of our great nation Mahatma Gandhi has shown us the way through his ‘SWADESHI’ and ‘AHIMSA’ mantras how we can aspire for ‘getting more from the less FOR MORE’. 20th century was marked by the principles of Mahatma Gandhi. 21st century will be marked by the Gandhian Engineering, said world renowned scientist Dr. Raghunath A Mashelkar at VJTI. He was addressing the jam packed Krantijyoti Savitribai Phule Auditorium of the premier institute VJTI on the occasion of celebration of Veermata Jiiabai Technology Day. Mr. Sashi Shankar CEO, Idea cellular was present on the dias as a guest of honor.

Dr Mashelkar further added that there is no limit to creativity. Innovator does not have any limits. Innovator is one who sees what others see but thinks what others won't. Innovators and creators can ‘think out of box’ and create technologies which can fulfill the criterion of Gandhian Engineering. Mahatma Gandhi use to say, earth can satisfy everybody's needs but can't satisfy everybody's greed. This means, we have to manage to get more for everybody from the less and limited available on the earth. This is the principle of Gandhian Engineering.

He gave several examples as Tata's NANO CAR or a wind machine developed by illiterate craftsman or mobile telephones at a cheaper call rates for all. The desire to benefit more people from the limited resources has created these different new designs. He further emphasized that Gandhian engineering liberates the engineering knowledge from the clutches of researchers or research institutes and enables a commonest person to contribute in creating new technology. He urged upon institutes like VJTI to work hand in hand with the local

people and be catalysts for introduction of viable technology satisfying criterion of 'getting more from the less FOR MORE'.

Mr Sashi Shankar of Idea Cellular spoke about the revolution brought due to mobile telephony and said this technology is the greatest leveler in the society as it gives equal facilities to all. Dr. K. G. Narayankhedkar, the Director of the institute welcomed and felicitated the guests and presented report on the Institutes' activities. He stressed that the Institute has adopted a policy of Students' centric and Learning Centric approach for education with scope for outside class room learning. VJTI is slowly and steadily getting transformed into a research institute. Our vision is to achieve the status of a research institute where teaching is also done. The research institute helps sharpen the intellectual abilities, develop inquisitive qualities, encourage the process of thinking and generate ideas of innovation. The inquisitiveness in the students and teachers can lead to R & D activities, which will finally conclude in the development of technology.

Faculty members whose research work got published in International or National level conferences and journals were awarded at this occasion for their valuable research work. They include Dr. D. S. Wavhal, In charge, Physics Department, Dr. B. B. Meshram, Head Computer Department, Dr. H. A. Mangalvedhekar and Prof. Ms. Panse of Electrical Engg., Dr. P. P. Bhave, Civil Engg. Dept., Dr. S. S. Sane, Head MCA, Prof. Anala Pandit, COE, Prof. V. B. Suryawanshi and Prof. W. S. Rathod of Mech. Engg. Dept., Dr. S. P. Borkar, Textile and Prof. Vashistha of Physics.

The Veermata Jijabai Technology Day was celebrated at VJTI on the auspicious occasion of birth anniversary of Veermata Jijabai, mother of great warrior Chhatrapati Shivaji Maharaj. The students of Rangawardhan group presented an apt skit on the life of Shivaji Maharaj and Jijaumata at the beginning.

Details of the Publications winning the Award

International Journal

Rs.5000/-

1. S.P. Borkar, Sunnhemp Fiber -Reinforce Waste Polyethylene Bag Composites, SAGE Journal Online, International Journal Of Reinforced Plastics And Composites, 8 Dec 2009.
2. M.S. Panse, Advances in Cochlear Implant Implementation, recent trends in engg. , Academy publishers, Finland, ISSN: 197_9617, 1-6, Vol. 2, Nov 2009.
3. Dattatray S. Wavhal, Arlington Texas. Synthesis Of Electrically Conducting Tin Films by Low Temperature Plasma- Enhanced CVD, CHEM. MATER2009, 21, 4442-4447, 2 Sep 2009.
4. H.A. Mangalvedekar & A.S. Paithankar, Development Of Solid State Pulse Power Modulator using Torroidal Amorphous Core, IEEE Trans. Dielectrics And Insulation ,[1070-9878/09/\\$25.00@2009](#),1006-1010, Aug, 2009.
5. M. Vashistha, Contractual Applicant in Physics, Hydrogen Absorption Mechanism in Obliquely Deposited MnNi_{4.5}AlO₅ Thin film, Hydrogen Energy 33 (2008), 404-407, 9 July,2007.

National Journal

Rs.3000/-

6. Prashant Bhawe & Medha Dixit, Environmental Status at Indian Antarctic Station Maitri, Ministry of Earth Sciences Technical Publication No. 20, 243-260, 2008.

7. B.B. Meshram, Intelligent Agent for The Malicious Code, International Journal OF CAE Tech and Sciences, ISSN:0974-3596, Amogh siddhi Education society – Sangli, 390-395, April2009 Sep 2009.

International Conference

Rs.2000/-

8. Anala Pandit, Ronald Bhuleskar &Anoop Sheldekar Hybrid Spam Email Filtering, International conference on computational intelligence, communication system and networks.[978-0-7695-3743-6/09\\$25.00@2009IEEE,302-307](https://doi.org/10.1109/ICICIN.2009.5250000), 2009.

9. Suneeta S. Sane, Model For Location Dependant Data Services To Mobile Clients, International Conference On Advances In Computing Communication And Control 2009, ACM 978-1-60558-351-8...\$5.00, 23-24 Jan 2009.

10. Sachin A Mastud, IIT Mumbai, Investigation Of Micro EDM Process For Generating High Aspect Ratio Micro Electrode, International Conference, KARSLRUHE, Germany, 153-156, 30 Sep 2009.

11. W.S. Rathod, Real Time Color Based Obstacles Detection and Avoidance System for Wheeled Mobile Robot, International Conference on advances in mechanical engineering(ICAME 2009), SVNIT, Surat, 762-766, 3-5, Aug, 2009.

12. V. B. Suryawanshi, Manufacturing system Simulation for Improved Throughput, COSMA, 2009, NIT Calicut., 1-4, 17-19 Dec, 2009.



