

The virgin pen, lying on the blank page;
 This divine sensation transforms a fool into sage;
 The unknown is unknown - I'm turning blue;
 What is love? Just a phase I'm passing through;
 The lambda's, the mu's, the constants, the variables;
 Love is so outlandish, just like fables;
 Euler and Cauchy hit me in the face;
 Love rides in purple robes: What a grace!
 The equations and expressions seem to defeat me;
 Love is blind! Open your eyes to see;
 Can't solve Bernoulli's problem - wish I could call him;
 Love is just a delusion, or a lucid dream;
 Ah! A linear equation! Let me try again;
 Oh! This heartache gives me a pleasant pain;
 $x=5, y=\pi$: They together my thirst quench;
 Love is an evangelist, deep and dark as a trench;
 Integration, differentiation - I can do it all!
 In love, many a Romeo did fall;
 Alas! Many more pages to come, blank and beautiful as love;
 Love depicts Mathematics.

- Bhushan Shah

2nd Year, Computer Science & Engineering

It is human to live in the world of hopes. We humans are like kites gliding freely in the sky of "hopes" driven by the thread of fate wrapped by the coil called society. Like some day with no sufficient breeze, when the kite fails to glide freely, is the condition of "Poors & their poverty". Poverty challenges our conscience. The word is not new to us as the most basic amenities of life are absent in the lives of many. When some dream for a luxurious life, some others long for bread and butter for their survival. We need to ask ourselves once again as to who is responsible for this; selfishness, injustice or inequality? Collective efforts of government and citizens are required to eradicate poverty. The slogans like "Gareebi Hatao" should not come merely at the time of elections. Proper rehabilitation centres should be established so that they can have proper shelter. Employment opportunities should be provided to them to earn their livelihood. Proper education should be provided. Then only they can come at par with the rest of the society. Then, (in my opinion), their children will have easy access to IIT's and then IIT's will face the challenges for which they were set up. Then such IITians will come who will be well aware of the ground conditions and will work to uplift their standards.

- Sarfraz Qureshi

2nd Year, Electrical Engineering

राजभाषा कार्यान्वयन समिति

भारतीय प्रौद्योगिकी संस्थान, इन्दौर में राजभाषा हिन्दी के प्रोत्साहन हेतु अप्रैल 2010 में राजभाषा कार्यान्वयन समिति का गठन किया गया। समिति उच्चतर शिक्षा विभाग, मानव संसाधन विकास मंत्रालय, भारत सरकार की राजभाषा नीति का अनुपालन करने के लिए प्रतिबद्ध है। समिति मंत्रालय द्वारा सुझाये गए उपायों का पालन करते हुए राजभाषा हिन्दी की प्रगति के लिए क्रियाशील है। समिति की महत्वपूर्ण गतिविधियों एवं उद्देश्यों में से कुछ निम्नानुसार हैं :

1. मंत्रालय की राजभाषा नीति का कार्यान्वयन।
2. हिन्दी भाषा और साहित्य के प्रख्यात व्यक्तियों के व्याख्यान का समय समय पर आयोजन।
3. हिन्दी अनुवाद उपलब्ध कराने की सुविधा।
4. संस्थान में ज्यादा से ज्यादा हिन्दी भाषा का उपयोग करना।
5. संस्थान के मुख्य सूचना पटल पर "आज का सुविचार" प्रतिदिन प्रदर्शित करना।

- राम विलास पचौरी
अध्यक्ष

M. G. Narasimha Rao joined as Assistant Registrar. Earlier, he was at the National Geophysical Research Institute (NGRI), Hyderabad, Andhra Pradesh.

IIT Indore is happy to announce the beginning of the Ph.D. Programme from the academic year 2010-11. Currently, there are 15 doctoral researchers: Chemistry (6); Electrical Engineering (1); Mechanical Engineering (3); Mathematics (1) and Physics (3).



Director's Message

Indian Institute of Technology Indore welcomes the new batch of entrants into its July 2010 academic programme. As the student strength in the institute doubles this year, we can look back with pride at IIT Indore's achievements since its inception. While maintaining the high academic standards expected of any IIT, there has been substantial growth in faculty, staff and infrastructure at IIT Indore over the last twelve months. Research programme with several sponsored research projects and fifteen PhD students, supported by state of the art instrumentation and equipment has been initiated. We, at IIT Indore, believe that a strong research environment will propel all activities to great heights and therefore, impartation of extensive experimental skills adequately supported by theory courses, as approved by the IIT Academic Council, at all levels of our academic programmes form the backbone of our activities. At the same time, IIT Indore endeavor's to make available strong sport facilities, through its link up with other institutions in the city, as well as those within its own premises in the academic and hostel areas.

On behalf of IIT Indore, I welcome all new entrants and wish them the very best.

Conferences, Publications And Workshops

P. Shandilya, N.K. Jain, and P.K. Jain, "Experimental Studies on Wire Electric Discharge Cutting of SiCp/6061 Aluminum Metal Matrix Composites", *Key Engineering Materials*, 450 (2011), 173-176. (Publisher: Trans Tech Publications, Switzerland)

J.P. Misra, N.K. Jain, P.K. Jain, " Investigations on Precision Finishing of Helical Gears by Electro Chemical Honing (ECH) Process", Proc. of IMechE, Part B: *Journal of Engineering Manufacture*, 224. (2010). (Publisher: Professional Engineering Publishing, UK).

R.B. Pachori and S.V. Gangashetty, "Detection of voice onset time using FB expansion and AM-FM model", Proceedings IEEE International Conference on *Information Science, Signal Processing and their Applications (ISSPA)*, 10-13 May, 2010, Kuala Lumpur, Malaysia.

R.B. Pachori and S.V. Gangashetty, "AM-FM model based approach for detection of glottal closure instants", Proceedings IEEE International Conference on *Information Science, Signal Processing and their Applications (ISSPA)*, 10-13 May, 2010, Kuala Lumpur, Malaysia.

M. Tonouchi, D. S. Rana, K. R. Mavani, I. Kawayama, H. Murakami, "Investigations of low-energy excitations in half-doped $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ thin film by the means of THz Time-domain Spectroscopy", *Bulletin of the Americal Physical Society*, Vol. 55, No. 2.

N. S. Chaudhary Invited Speaker, *Colloquium on Computational Intelligence*, (sponsored by Department of Science and Technology, New Delhi, Govt of India), University of Hyderabad (24th March, 2010). Topic: "Language Structure: Evolution and Computational Intelligence" (Delivered on 24th March, 2010). Guest of Honor, and Foundation Day Lecturer, Sixth Foundation day of Department of Computer and Information Sciences, University of Hyderabad (23rd March, 2010). Delivered Foundation day lecture on the topic: "Parallel CYK Parsing: Some Algorithmic Formulations", DST Auditorium, University of Hyderabad (23rd March, 2010). Invited Speaker, and Session Chair, (AICTE Sponsored) National Conference on Emerging Technological Trends, (NCETT 2010) organized by VNS Group of Institutes, Bhopal (19-20 March, 2010). Title of Invited Speech: "Models of Computation: History and Trends".

C. Bharat Kumar delivered an orientation lecture "Philosophy in the Hi-Tech world" at St. Joseph's Capuchin Philosophical College, The Nilgiris on 12th June 2010.

Indian Institute of Technology Indore

C/o Institute of Engineering & Technology
 M. Block, DAVV Campus,
 Khandwa Road,
 Indore (M.P.) 452 017
 Ph. 0731-2438719
 web : www.iiti.ac.in

First Board of Governors Meeting

It was a historic moment for IIT Indore when the first meeting of the Board of Governors was held on July 15, 2010, at the Indian Institute of Technology Indore to take note of several issues related to the institute. The Board of Governors, along with the faculty members, visited Simrol, the site for the upcoming campus of IIT Indore. Mr. Ajay Piramal is the Chairman of the Board that includes eminent personalities from the industry, academia and central and state government. Mr. A. K. Pandey, Estate Officer cum Project Engineer of IIT Indore, gave a short presentation at the site about the various aspects related to the campus development.

Members of Board of Governors

◆ Chairman

Ajay Piramal
Chairman, Piramal Group

◆ Members

Pukhraj Maroo

Principal Secretary, Department of Technical Education & Training, Government of Madhya Pradesh

Ashok Thakur

Additional Secretary (Higher Education), Department of Higher Education, Ministry of Human Resources Development, Government of India

Sibaji Raha

Director, Bose Institute, Kolkata

K.K. Singh

President, Chairman and CEO, Rolta India Pvt. Ltd. Mumbai

Harpal Singh

Mentor & Chairman Emeritus, Fortis Healthcare Ltd., New Delhi

Pradeep Mathur

Director, Indian Institute of Technology Indore

Narendra S. Chaudhari

Professor, Computer Science and Engineering, Indian Institute of Technology Indore

Neelesh Kumar Jain

Associate Professor, Mechanical Engineering, Indian Institute of Technology Indore

◆ Secretary

Mr. B.S. Punalkar

Registrar, IIT Indore



Press Meet

On the successful completion of the first year of its establishment, IIT Indore organized a senior editors meet on 25th May, 2010. This initiative is first of its kind on the part of the Institute to interact with different sections of the society to build an organic relation with the intelligentsia and general public of Indore. It was an informal get-together that provided an opportunity for the faculty-media interaction. The meet was attended by the senior correspondents of the leading newspaper of Indore including Times of India, Hindustan Times, Dainik Bhaskar, Naya Duniya and many more. The representatives from the electronic media including Sahara TV and Doordarshan also graced the occasion.

Library at IIT Indore

The Central Library at IIT Indore aims to be at the forefront of the "Library 2.0" movement, by breaking down the barriers of time and space, which are often encountered while providing library services. Our guiding principles in this journey are the three C's: Creativity, Collaboration, and Communication. Though the Central Library at IIT Indore is still in its formation stage, it is developing rapidly in terms of its collection and services. The print collection of the library includes approximately 3000 books and 15 periodicals. In addition to the teaching and research requirements, attention is paid to users' needs related to leisure and recreation. The library boasts of a fine collection of books on English literature, fiction, and general and current interest titles. The Library has access to ASME Journals, IEEE Xplore Digital Library, and McGraw-Hill's Access Engineering through INDEST Consortium. It also has access to JSTOR through INFLIBNET. Access to many more online resources is being considered at present and they will shortly be added to the online collection.

Students' Column

Anguish on Fuel Price Hike - A View

Fuel price hike is the most booed step taken by the government of India in the recent times - consistently too. What I think is that the decision has its roots in the rational grounds and if this is understood even skin-deep then the woes on this point will be substantially diminished. The present scenario should be seen as "decrease in fuel subsidy" instead of "fuel price-rise".

Considering the fiscal deficit our country is facing, 'it' is the only step (the other being erosion of corruption - a chronic illness) that can be implemented at this stage. Being the domicile citizens of India we should strive towards its development, shouldn't we? The soldiers who put their damn life at stake on the battle-field, for the sake of the security of the nation are so proud of their sacrifice, so why are we ill at ease? The price-rise of 2-5 Rs is not unaffordable for many of us (the non BPL population), isn't it? At this juncture we should join hands against the demon of deficit, which holds our country back, when it comes to free investment on a global scale & thereby in development.

The main reason for this uproar is the usual human nature - the wants - fetching profit - are always escalating & even an iota of sacrifice is not affordable even for the richest! By this, I mean - the people do not consider the huge (almost 50%) subsidy given on natural gas by the government, which is an exceptionally large share compared to other countries considering the fact that the Nepalese & the Bangladeshis pay a sum of over 700 Indian Rs, for the same of what we get at 300-350 odd Rs; and a rise in its price by trifle of an amount of say 50 Rs is still an enviable purchase price for our neighbours.

Previous governments held back the idea of price rise until the water was up to their nose; which means— they don't want to disappoint their voters and same is the reason for the present budget scenario; our government kept subsidising the expensive commodities for all citizens, until it was too late.

The plughole in this decision is that earlier it was faulty and now even after changing the concepts it is still faulty but on different grounds! That is to say that— earlier the higher economic group was given subsidy, which means that the state was spending crores of rupees uselessly. The present idea of reducing the subsidy without putting the tax-payers into economic pigeon-holes is faulty too. Again the moral question which emerges is that, isn't this a financial discrimination? Ok, it may be, but let us be practical & assume that this is the way it goes, which means that the government should categorise the people on the basis of their spending power (BPL is an example) & only that section should be subsidised minimally which do not need the subsidy— I see over-all profit in this, as this would reduce the deficit by a considerable sum of thousands of crores of rupees.

The other aspect include truncation on the spending of the government perks, reducing the subsidy on higher education for the higher spending group etc. I mean, can an IPS officer (say) not pay his telephone or petrol bill on his own? Of course he can! So what is the wait for, if it's in the constitution— then it was fair then (at the time of making it)!but the problem is, to make this point a reality, we would need the consensus of the perks sitting in the government chairs; so on the face of it this is not plausible, but is possible though!

The conclusion is that, we the citizens of India, should 'see' the plight of the government & cooperating with it see it's (read: our) development. To say the least now, the evils of corruption & bad politics should be cursed brutally and not the inevitable circumstances. This would not have been conceived if it was not for the aforementioned demons.

- Tushar Rokade
2nd Year, Mechanical Engineering