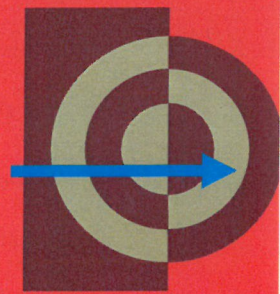




GUNJAN



- A Quarterly newsletter of ABV-IIITMG

JUL-SEP-2015

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Editor.

Dr. J P Sharma

ACHIEVEMENTS..

By Institute

- ABV-IIITM Gwalior got National Education Leadership Awards "B-School with Industry Related Curriculum in Information Technology" on 24 July 2015 by Mohan Group. This award was received by Prof. R Sahu.



By Students

- A book on *Microprocessors & Interfacing Devices* is published with CBS publishing house, Delhi in 2015 by our PhD scholar Mr. Rupender Singh. The book covers all microprocessors and interfacing devices with Pentium series.



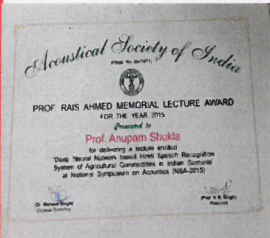
- Cart Behind the Bull*- An ABV-IIITMG Rural Research Initiative was completed by Mr. Prakhar Maheshwari (MBA-2013-15) student of ABV-IIITM Gwalior and Dr. Manoj Kumar, Assistant Professor, ABV-IIITM Gwalior.



- Idea of "Cart behind the bull" came in mind during live study of Sihoniya village by our faculty and student who found a great potential in this region and hence took initiative to provide a detailed report so as to bring a newer perspective of rural development. This live work is effort of developing our student's mindset not only for earning but also to inculcate a seed of community welfare and making them a responsible citizen of country.



By Faculty & Staff



- Prof. Anupam Shukla, Professor, ABV-IIITM Gwalior has been awarded by Prof. Rais Ahmed Memorial Lecture Award 2015: (award from 2002 onwards in order to commemorate the services rendered by Prof. Rais Ahmed to the Society who was a renowned educationist & speech Scientist, and award carries a citation and a cash prize).



- Ms. Deepa Singh Sisodiya, Technical Assistant attended two days International Conference held at Dubai (UAE) during July 2015.



The Young Scientist Award-2015 was bestowed to Deepa Singh Sisodiya, by Prof. D M Akbar Hussain of the Department of Energy Technology, Alborg University, Esbjerg, Denmark. The prestigious Award was given in recognition of her research on "Green IT". She also won the best reviewer award in International Conference on Green Computing and Engineering Technology 2015, Dubai (UAE).



RECENT EVENTS..

Orientation Programme

Orientation Programme for new M.Tech. and Ph.D. entrants was held on 23 Jul, 2015 from 10:30 AM onward at SH-1. At the outset Director addressed new students with welcoming in the campus. During the programme Dr. K.K. Pattanaik briefed about the Institute, General facilities and Academic ambience to the students. Prof. Anupam Shukla briefed about Hostel life and Campus discipline, Prof. A Tapaswi talked about Academic System Research ambience, attendance, the continuous evaluation system, scope for research. At the end of programme Dr. Anurag Srivastava briefed about sports facilities and various SAC activities.

Workshop by LRC

The following short term programs/workshops were conducted during the last three months by the Learning Resource Centre (Central Library) of the Institute.

1. Digital Education in Professional Institutes" by McGraw Hill Education on 11 Aug, 2015- It was deliberated that how Information and Communication Technology (ICT) is changing the face of education in general and in professional colleges in particular through e-books, virtual laboratory etc.
2. "IEEE Xplore Digital Library" by IEEE on 21 Aug, 2015- It was deliberated on line with examples how a user can get maximum benefits from the online IEEE Xplore.
3. "Springer's Author's Workshop" by Springer on 15 Sep, 2015- The participants (prospective authors) were exposed the common mistakes that the authors make while writing research papers and how to avoid them in order to write good quality papers.

The focus was how an integrator can make the life of users simple by integrating all the online resources on one platform. The above workshop was coordinated by Dr. P K Singh, Faculty Incharge, Library Resource Center.

Independence Day Celebration

The event was celebrated on this very date i.e. 15 Aug, a mark of beginning of country being declared independent. The day started with a charming morning, everyone: students, faculty members, staff, Authorities, Guests etc were present near the flag post area to participate in this national day celebration. The event started with welcoming our nation with its tri color (the saffron stripe signifies courage, sacrifice and the spirit of renunciation; the white stripe signifies purity and truth, the green stripe stands for faith and fertility, the chakra denotes continual progress of the country; its blue color connotes the boundless sky and fathomless sea.). Director of the Institute hoisted the flag and everyone present over there sung national anthem and shown their respect towards nation.



Independence Day 15.08.2015

The patriotic feeling was really tremendous. The occasion was graced with the presence of two personalities; Prof. S C Dutta Roy, a well-known professor and researcher and Mr. Rakesh Kumar a seasoned Technocrat, Consultant & Strategy manager, a Teacher and Quality expert. Director and other guests addressed the gathering and explained about the importance of the very day and at the same time motivated everyone present over there to contribute to the nation building and play their respective roles.



Independence Day 15.08.2015

Students of IIITM have given their mesmerizing performances, where a dance by the girls of first year on the patriotic theme, a student sung a song. The program ended with tree plantation and interaction meeting with guests in Board room, where faculty and students presented their work. The program was coordinated by a committee.



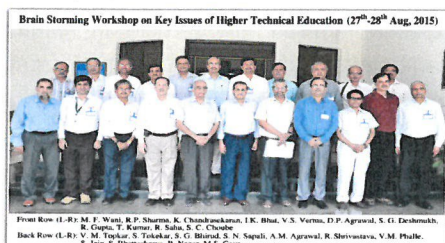
Independence Day 15.08.2015

Workshop on Key Issues in Higher Technical Education

The 2-Day brainstorming workshop was held at the MDP Center of the institute from 27-28 Aug, 2015. The main theme of the workshop centered on the key issues and challenges in higher technical education. A total of eighteen Directors/Deans/Professors of NITs and of reputed institutes of India participated in the workshop. The workshop was designed to discuss about the key issues and challenges in higher technical educational system and make recommendations thereon for strengthening the same.



The participants were divided into five groups for elaborating on the five key issues. The panel discussion was accompanied by the coordinators, Prof. D P Agrawal, Former Chairman, UPSC, India and Prof R Sahu. Following are the issues and the corresponding major recommendations made by the panelists, as reported from the desk of rapporteur:



Brain Storming Workshop on Key Issues of Higher Technical Education (27th-28th Aug, 2015)

Front Row (L-R): M. F. Wani, R. P. Sharma, R. Chinnaiyan, I. K. Bhat, V. S. Varma, D. P. Agrawal, S. G. Deshmukh, R. Gupta, T. Kumar, R. Sahu, S. C. Chatterjee

Back Row (L-R): S. M. Tinkar, S. Tinkar, S. G. Bhat, S. N. Sapat, A. M. Agrawal, R. Shrivastava, V. M. Phalle, S. Jain, S. Bhattacharya, R. Nagar, M. S. Gaur

a) Faculty Shortages: Most institutions have acute shortage of faculty in number which can be compensated i) By engaging PhD students getting scholarship in academic work, ii) By accompanying learning from professional bodies, iii) By offering IT enabled learning experience, iv) By learning outside classroom in terms of field work, v) By curricular innovation to match with current business environment.

b) Student-centric Flexible Education System: Institutions may adopt i) Choice Based Credit System (CBCS) to enhance students' participation at learning and at preparing their own career path in consultation with faculty advisors, ii) A close partnership with local industry and organization can be encouraged for field learning.

c) Nurturing and Partnering Innovations of academic community with industry, government & business: The academic process should enable i) Student's thesis work to lead to new concepts that facilitate patenting the work, ii) Create a technology watch group to have regular meetings with all stake holders, iii) Create an incubator in association with industry partners.

d) IT enablement of Higher Technical Education: Institutions must encourage i) Online learning resources with well-defined evaluation process and certification which may be used as supplementation to teaching process, ii) Use of IT for institution outreach, for counseling parents and students, for institutional governance etc.

e) Achieving National Goals and Objectives of Higher Technical Education: These goals can be achieved by encouraging i) Networking among centrally funded institutions to create a large Pool of knowledge and resources for solving complex national problems, ii) Writing of status paper on any of the current national goals, iii) Internships for students on major national projects etc.

The role of alumni are very important for in with all the above mentioned issues in higher technical education and attempts be made for their inclusion for organic growth of the institutes. The workshop ended with a vote of thanks by Prof Sahu to all participants and panelists.

हिन्दी पखवाडा 2015

अटल बिहारी बाजपेयी-भारतीय सूचना प्रौद्योगिकी एवं प्रबंधन संस्थान ग्वालियर द्वारा हिन्दी पखवाडे को आयोजन 14 सितम्बर 2015 से 28 सितम्बर के दौरान किया गया। इसके अन्तर्गत विभिन्न प्रतियोगितायें जैसे निबन्ध लेखन, वाद विवाद, कविता लेखन, स्लोगन, कहानी लेखन, संस्मरण लेखन, अन्ताक्षरी, लेख लेखन, सिर्फ एक मिनट, नुक्कड़राज इत्यादि आयोजित की गई। इसके उद्घाटन सत्र में हिन्दी पत्रिका अरुणोदय का विमोचन भी किया गया।

हिन्दी पखवाडा के अन्तर्गत आयोजित प्रतियोगिताओं में सबसे ज्यादा आकर्षण दमशाराज का रहा जिसके अन्तर्गत मूक रहते हुए केवल कला करके किसी फिल्म को याद कराना था। उससे सम्बन्धित कोई उद्देश्य उजागर कर सबको उस फिल्म के नाम से परिचित करवाना था। हिन्दी पखवाडे के अन्तिम दिन कवि सम्मेलन का आयोजन किया गया जिसमें देश के प्रतिष्ठित कवियों द्वारा अपनी कला से संस्थान के छात्र-छात्राओं एवं फेकल्टी तथा स्टॉफ को मनोरंजित किया।

कार्यालयीन उपलब्धियां एवं राजभाषा" विषय पर दो दिवसीय संगोष्ठी

अटल बिहारी बाजपेयी-भारतीय सूचना प्रौद्योगिकी एवं प्रबंधन संस्थान ग्वालियर द्वारा 14 सितम्बर 2015 से 29 सितम्बर 2015 तक हिन्दी पखवाड़ा कार्यक्रम आयोजित किया गया। इसी तारतम्य में दिनांक 28 एवं 29 सितम्बर 2015 को दो दिवसीय संगोष्ठी "कार्यालयीन उपलब्धियां एवं राजभाषा" विषय पर प्रातः 10 से दोपहर 2 बजे तक आयोजित की गई, जिसमें ग्वालियर नगर में स्थित केन्द्र शासन के अधीन समस्त कार्यरत कार्यालय प्रतिनिधियों को आमंत्रित किया गया। प्रत्येक कार्यालय प्रतिनिधि अपने कार्यालय में हिन्दी में कार्य/शिक्षण को प्रोत्साहित करने संबंधी की गई गतिविधियों एवं राजभाषा संबंधी उपलब्धियों का संक्षिप्त विवरण हिन्दी के प्रयोग को बढ़ावा देने के संबंध में अपने विचार व्यक्त किये।



कार्यक्रम का शुभारंभ निदेशक एवं अध्यक्ष, कार्यालय राजभाषा कार्यान्वयन समिति, अविवा-ट्रिपल आई टी ग्वालियर की अध्यक्षता में किया गया। इसमें श्री संजय भटनागर, कुलसचिव एवं सदस्य, एवं अन्य सदस्य कार्यालय राजभाषा कार्यान्वयन समिति, उपस्थित थे। इस कार्यक्रम के संयोजक डॉ. अनुराग श्रीवास्तव, सह-प्राध्यापक एवं उपाध्यक्ष, कार्यालय राजभाषा कार्यान्वयन समिति ने विशेष भूमिका निभाते हुए कार्यक्रम का प्रारंभ एवं समापन कराने एवं कार्यालयीन कार्य में हिन्दी का प्रयोग करने हेतु समस्त उपस्थित जनों को प्रोत्साहित किया। इस कार्यक्रम की समन्वय समिति में सदस्य एवं इसके अतिरिक्त संस्थान के समस्त संकाय व असंकाय सदस्य शामिल हुए।

इस संगोष्ठी में विभिन्न कार्यालयों से कई प्रतिभागी जैसे महानिदेशक लेखापरीक्षा नई दिल्ली का कार्यालय शाखा, ग्वालियर, न्यू इंडिया इश्यारेंस, केन्द्रीय विद्यालय क.3, केन्द्रीय उत्पाद शुल्क, ग्वालियर, रक्षा अनुसंधान एवं विकास स्थापना, केन्द्रीय विद्यालय क.2, इन्स्टीट्यूट ऑफ होटल मैनेजमेंट, नेशनल फर्टिलाइजर लि., राष्ट्रीय प्रतिदर्श सर्वेक्षण संगठन, केन्द्रीय भण्डारण निगम, राष्ट्रीय कैडेट कोर, अफसर प्रशिक्षण अकादमी एवं केन्द्रीय नारकोटिक्स ब्यूरो ग्वालियर इत्यादि शामिल हुए जिन्होंने राजभाषा हिन्दी में होने वाले कार्यालयीन कार्यों से अवगत कराया एवं हिन्दी के अधिकाधिक बढ़ाने संबंधी सुझाव दिये तथा अपनी समस्याओं और उनके निराकरण पर खुलकर विचार विमर्श किया। सभी प्रतिभागियों ने अटल बिहारी बाजपेयी-भारतीय सूचना प्रौद्योगिकी एवं प्रबंधन संस्थान ग्वालियर को इस अनूठी एवं ज्ञानवर्धक हिन्दी संगोष्ठी के आयोजन हेतु सराहना प्रेषित किया एवं संस्थान ने भी समस्त प्रतिभागियों को उनकी सहभागिता के लिए धन्यवाद दिया।

Parichay-2015

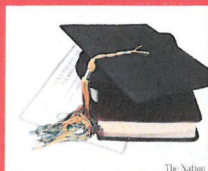
Alike previous year, this year too second year IPG students have organized the Welcome Party "Parichay" on 26 Sep, 2015 in institute auditorium. "Fresher Day" in any college is an event which every student eagerly awaits from the time of their admissions. A fun filled day where the freshers are on the spot light to show their talents and bond with the department. ABV-IIITM organized a sumptuous fresher's welcome party for the batch of IPG-2015. Aptly called PARICHAY'15, the purpose of this event was to have every "fresher" feels like an integral part of the ABV-IIITM family and readies to take on challenge of the year ahead. Like every year, this year also the institute has seen fresh admissions for the batch IPG-2015.



Parichay'15 held to make the newly admitted students acquainted with the institute, the working organizations and welcome them as a family. Manifested youth and enthusiasm at its full flow. With pulsating ambience, flashing lights and foot tapping music, Parichay'15 began with a blast. Parichay'15 started with full enthusiasm and zeal among students of ABV-IIITM Gwalior. Various informal events, Face painting and Sketching were organized in morning. Students actively participated in both the events showcasing their talents. These events helped them to have a break from regular studies and enhance creative and artistic side of their personality. Students were divided into team of 3 members each and half of the teams were asked to do face painting while others to do sketching. The event was coordinated by SAC under the mentorship of Dr. Anurag Srivastava.

RESEARCH PUBLICATION LISTED IN SCOPUS..

1. AGGARWAL, P. and TRIVEDI, A., 2015. Secure Wireless Communication Using Friendly Noise Through an Untrusted Relay. *Wireless Personal Communications*, 84(4), pp. 2927-2941.
2. BAGHEL, A. and TRIVEDI, A., 2015. On spectrum utilization in CRN using sequential sensing applying adaptive weighting in time varying channel, 2015 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2015 2015, pp. 161-165.
3. BANSAL, J.C., SHARMA, H., ARYA, K.V., DEEP, K. and PANT, M., 2014. Self-adaptive artificial bee colony. *Optimization*, 63(10), pp. 1513-1532.
4. CHANDIRAMOULI, R., SRIVASTAVA, A. and NAGARAJAN, V., 2015. NO adsorption studies on silicene nanosheet: DFT investigation. *ASSc*, 351, pp. 662-672.
5. CHOUHAN, L. and TRIVEDI, A., 2015. Performance study of a CSMA based multiuser MAC protocol for cognitive radio networks: analysis of channel utilization and opportunity perspective. *Wireless Networks*, .
6. DHAR, J., KURELE, R., ARORA, S. and SINHA, S., 2015. Background subtraction in surveillance systems- A neural fuzzy approach. *International Journal of Imaging and Robotics*, 15(4), pp. 29-42.
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8. DHAR, J., TYAGI, M. and SINHA, P., 2015. Three simultaneous innovations interrelationships: An adopter dynamics model. *International Journal of Modeling, Simulation, and Scientific Computing*, 6(3), .
9. DUBEY, A.K., SRIVASTAVA, P. and PATTANAIK, M., 2015. Efficient technique to reduce power dissipation of Op-Amps at high speed, *Proceedings of 2015 International Conference on Robotics, Automation, Control and Embedded Systems, RACE 2015* 2015.
10. DUBEY, R., KUMAR, A. and PATTANAIK, M., 2014. Design of low noise low power bio-potential tunable amplifier using voltage controlled pseudo-resistor for biosignal acquisition applications, *5th International Conference on Computing Communication and Networking Technologies, ICCCNT 2014* 2014.
11. GARG, B. and SHARMA, G.K., 2015. PAID: Process aware imprecise DCT architecture trading quality for energy efficiency. *Journal of Low Power Electronics*, 11(2), pp. 121-132.
12. GUPTA, P.C. and DHAR, J., 2015. Hash Based Multi-server Key Exchange Protocol Using Smart Card. *Wireless Personal Communications*.
13. JAIN, A., KUMAR, A. and DASH, M.K., 2015. Information technology revolution and transition marketing strategies of political parties: Analysis through AHP. *International Journal of Business Information Systems*, 20(1), pp. 71-94.
14. JAISWAL, A., GARG, B., KAUSHAL, V. and SHARMA, G.K., 2015. SPAA-Aware 2D Gaussian Smoothing Filter Design Using Efficient Approximation Techniques, *Proceedings of the IEEE International Conference on VLSI Design 2015*, pp. 333-338.
15. JATAV, K.S. and DHAR, J., 2015. Global behavior and Hopf bifurcation of a stage-structured prey-predator model with maturation delay for prey and gestation delay for predator. *Journal of Biological Systems*, 23(1), pp. 57-77.
16. JHA, K.K., SHARMA, V. and PATTANAIK, M., 2015. Line tunnel FET parameter variations: A simulation study. *Journal of Computational and Theoretical Nanoscience*, 12(9), pp. 2299-2302.
17. KALIA, K., SISODIYA, D.S., SHARMA, D. and SINGH, V., 2015. Energy efficient clean and green IT: Concepts and approaches. *Int Journal of Smart Home*, 9(6), pp. 65-70.
18. KAUSHAL, V., GARG, B., JAISWAL, A. and SHARMA, G.K., 2015. Energy Aware Computation Driven Approximate DCT Architecture for Image Processing, *Proceedings of the IEEE International Conference on VLSI Design 2015*, pp. 357-362.
19. KHAN, M.S., SRIVASTAVA, A., CHAURASIYA, R., KHAN, M.S. and DUA, P., 2015. NH₃ and PH₃ adsorption through single walled ZnS nanotube: First principle insight. *Chemical Physics Letters*, 636, pp. 13-109.
20. KUMAR, A. and DASH, M.K., 2015. E-service quality dimensions' effect on customers' willingness to buy: Structural equation modelling approach. *International Journal of Services and Operations Management*, 22(3), pp. 287-303.
21. KUMAR, A. and DASH, M.K., 2015. Factors identification: A model of unplanned multi-generational consumers' electronic purchasing decision. *International Journal of Internet Marketing and Advertising*, 9(2), pp. 141-160.
22. KUMAR, S., KASHYAP, M., CHOUDHARY, Y., PAL, S.S. and BHATTACHARYA, M., 2015. Automatic classification of cotton boll using signature curve and boundary descriptors, 2015 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2015 2015, pp. 1599-1605.



PHDS AWARDED..

No	Name	Supervisor(s)	Thesis Title	Viva-Voce
59	Vijay Kumar Sharma	Dr. Manisha Pat-tanaik	Low Leakage Variability Aware Techniques for CMOS Logic Circuits	21 Aug'15
60	Anuja Agarwal	Late Prof. Deepali Singh Dr. G Agrawal	Partner Relationship Management Framework for Indian Automobile Sector	23 Sep'15
61	Kusum Kumari Bharti	Dr. P.K. Singh	Improving Text Clustering Using Semantically Enhanced Discriminative Features and Nature-Inspired Methods	24 Sep'15



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VISITORS@ABV-IIITMG..

Prof. S C Dutta Roy	Adjunct Professor, INAE	15 Aug'15
Mr. Rakesh Kumar	Ex. GM, BSNL	15 Aug'15
Prof. Rajat Gupta	Director, NIT Srinagar	27-28 Aug'15
Prof. Tarkeshwar Kumar	Director, NIT Durgapur	27-28 Aug'15
Prof. Anand Mohan Agrawal	Director & Pro VC, IBM GLA University, Mathura	27-28 Aug'15
Prof. Rajnish Shrivastava	Director, NIT Hamirpur	27-28 Aug'15
Prof. S Bhattacharya	Director, NIT Surathkal	27-28 Aug'15
Prof. K. Chandrasekaran	Dean, NIT Surathkal	27-28 Aug'15
Prof. I K Bhatt	Director, MNIT Jaipur	27-28 Aug'15
Prof. V M Topkar	Dean (Resource Mobilization & Finance), V J T I Matunga, Mumbai	27-28 Aug'15
Prof. S Tokekar	Director, IET, DAV, Indore	27-28 Aug'15
Prof. R Nagar	Dean Academics, MNIT Jaipur	27-28 Aug'15
Prof. S C Choube	Dean, Faculty of Electrical Engineering RGPV Bhopal	27-28 Aug'15
Prof. Karmeshu	Emeritus Professor, JNU, New Delhi	12-13 Sep'15



Independence Day 15.08.2015



FORTHCOMING EVENTS @ABV-IIITMG..

◆ Infotsav-2015	3-4 Oct, 2015
◆ International E-Workshop/Conference "IWCCMP-2015"	18 Oct, 2015
◆ Finals of Udbhav Utsav-2015– An International Dance Festival	27 Oct, 2015
◆ HR Summit-2015	31 Oct-1 Nov, 2015
◆ Urja-2015	20-23 Nov, 2015
◆ Workshop on Important Challenges in Power Sector	24-25 Nov, 2015
◆ FDP on AEMR-2015	27 Nov-3 Dec, 2015
◆ Session by Sid Gautam on Entrepreneurship	8 Dec, 2015

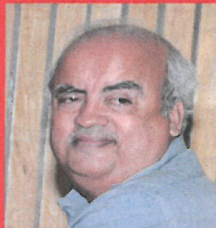
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