



स्वामी श्रद्धानन्द
कुलपिता

A QUARTERLY NEWS LETTER



नभग
Flight to Success
NABHAG

FACULTY OF ENGINEERING AND TECHNOLOGY
GURUKULA KANGRI VISHWAVIDYALAYA, HARIDWAR
(Deemed to be University u/s 3 of UGC Act 1956)
"Accredited by NAAC with 'A' Grade"

Volume 6(3)

Jan - March 2016

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IN THIS ISSUE

- ATM Inauguration
- Industrial Visit
- Sports Events
- Alumni Interaction
- National Science Day
- Tips and Tricks
- Industrial Visit
- Students Achievements

ATM Inauguration



An ATM facility has been provided by Punjab National Bank in the premises of Faculty of Engineering and Technology, Gurukul Kangri Vishwavidhyalaya Haridwar, Inauguration ceremony was held on January 5, 2016 in presence of Hon'ble Vice Chancellor GKV, Prof. Surendra Kumar, Registrar, Prof. Vinod Kumar along with Chief Branch Manager, PNB Gurukul Branch, Mr. Anand Prakash Misra.

Industrial Visit



Dept. of Electrical Engg. conducted an one day industrial visit for IInd year students to Uttarakhand Jal Vidhut Nigam Limited (UJVNL) Power House Pathri on 10th March, 2016. Mr. Yogesh Kumar and other staff accompanied the students.

Student Achiever's



Sakul Garg,
ME IV sem

Deepanshu Raj,
CSE IV sem

Sakul Garg of ME IV Sem participated in Online Quiz Competition on Dr. B.R. Ambedkar and won Rs 20,000 cash Prize, and Deepanshu Raj of CSE VI Sem awarded with Google AdWord Certification exam by passing the AdWords Fundamentals and Mobile Advertisement Exams.

Editorial

Dear Readers

Spring semester started as per schedule but delay in result especially for the first year due to new examination system (CBCS) caused some problems to students. So we must ensure in this semester that examinations and result declaration should be as per schedule so that the students can participate in the summer training program and final year students can go for joining higher education and jobs.

My best wishes for the students who have scored good score in GATE 2016. This time a big number of students qualified for GATE examination and some of them have scored good rank.

I congratulate the staff of FET for their contribution and continuous efforts for being awarded "A" grade by NAAC

Best of luck for the upcoming semester exams.

Prof. R. D. Kaushik
Chief Editor

From Vedas



प्रो०सत्यदेव निगमालंकार,
श्रद्धानन्द वैदिक शोध संस्थान,
गु०कां०वि०वि०, हरिद्वार

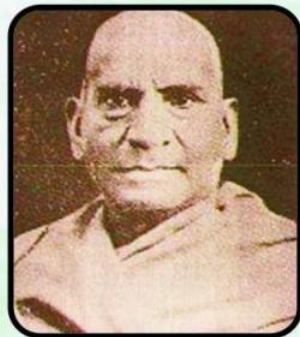
वैज्ञानिक को परोपकारी होना अनिवार्य है

अयमग्निर्वीरतमो वयोधाः सहस्रियो द्योततामप्रयुच्छन्।

विभ्राजमानः सरिरस्य मध्यऽउप प्र याहि दिव्यानि धाम ।।यजु० १५.५२।।

वैज्ञानिक मनुष्यों को चाहिये कि धर्म के जानकार जनों के साथ निवास करें, आलस्य का परित्याग करें, जितेन्द्रियता से आयु को बढ़ाएँ, विज्ञान की वृद्धि करें और धर्म के अनुष्ठान से पवित्र होकर संसार का उपकार करें। ऐसे वैज्ञानिक मनुष्यों का जीवन धन्य होता है।

From Archives



स्वामी जी ने अगर अपने हाड़ मांस से इन्द्र जी को जन्म दिया था, तो अपने कर्म से गुरुकुल को मूर्त रूप दिया था। वो जानते थे उनका एक पुत्र (इन्द्र जी) कुछ निश्चित वर्षों तक ही उनके मानवीय मूल्य को प्रचारित-प्रसारित कर पायेगा जबकि उनका कर्मपुत्र (गुरुकुल) शाश्वत मूल्यों के लिये अनादिकाल तक सेवारत रहेगा। अतः इस पुत्र की बाल्यावस्था संवारने के लिए उन्होंने अपने पुत्र इन्द्र को लिखा था- "क्या तुम्हारी रुचि विवाह की ओर है? यदि है तो मैं जानता हूँ जो दिल तुम्हें मिला है उसके अनुसार तुम्हारे प्रेम का एक बड़ा भाग उधर चला जायेगा, गुरुकुल का गृहपति बनने के लिए आवश्यक है कि गुरुकुल को माता, पिता, भ्राता, धर्मपत्नी सबके स्थान पर समझा जाये। क्या इस कठिन आत्मसमर्पण का भाव तुम्हारे अंदर है? यदि है तो गुरुकुल बड़ा भाग्यशाली होगा"।



सौजन्य से हेमन्त आत्रेय

FACULTY NEWS



Dr. Vivek Goel, Dr. Lokesh Joshi and Dr. Ajay Kumar attended Workshop at NITTTR, Chandigarh and NITTTR, Bhopal

FACULTY NEWS

1. Dr. Mayank Aggarwal conducted and delivered a session in Workshop on “Cloud Computing and Bluemix” at MEC, Bikaner on January 09, 2016.
2. Dr. Lokesh Joshi organized Indian National Mathematics Olympiad for Uttarakhand Region on January 17, 2016.
3. Mr. Atul Kr. Varshney & Mr. Amrish from Dept. of ECE attended a One-Week Short Term Course on “Information Security System” at NITTTR, Chandigarh from January 18 to January 22, 2016.
4. Dr. Mayank Aggarwal delivered two sessions in National Workshop on “Cloud Computing and CloudSim” at CGC, Chandigarh on January 28, 2016.
5. Jasbir Singh & Sanjeev Kumar Lambha attended one-week Short Term Course on "Modelling & Simulation using MATLAB" from January 25 to January 29 at Mechanical Engineering Department NITTTR Chandigarh.
6. Sanjeev Kumar Lambha published a paper titled "Chaos and Bifurcation Analysis a Flexible Rotor Supported by Couple Stress Fluid Bearing" in National Seminar on Rotor Dynamics organized by NIT Rourkela in January 2016.
7. Kapil Mittal published a paper titled “Gratitude of Six Sigma: A Case Study of Manufacturing Environment” in Journal of Mechanical Engineering in issue 126, January 2016.
8. Dr. Mayank Aggarwal attended a Short Term Course on “Network Security”, at IIT-Roorkee from February 01 to February 05, 2016.
9. Mr. Vivek Kumar from Dept. of ECE, attended a One-Week Short Term Course on “Embedded Systems Based Practices” at NITTTR, Chandigarh from February 01 to February 05, 2016.
10. Dr. Mayank Aggarwal conducted and delivered two sessions in Workshop on “Cloud Computing and CloudSim” at DIT, Dehradun on February 08, 2016.
11. Dr. Vivek Goel and Dr. Lokesh Joshi attended a Short Term Course on “Role of Fuzzy Logic in Mathematical Programming Problems” at NITTTR, Chandigarh from February 22 to February 26, 2016
12. Sunil Kumar presented and published a paper titled “Process Parameters Optimizing in Injection Molding Process on Polypropylene” in International Conference on trends in industrial and mechanical engineering organized by M.N.I.T. BHOPAL in February 2016.
13. Dr. Mayank Aggarwal attended a Short Term Course on “Cloud Security”, at NITTTR-Chandigarh, from February 29 to March 04, 2016.
14. Mr. Atul Kr. Varshney presented a paper on “Earth Energy Harvester Using Various Antennas” in a conference on Recent Advances in Electronic and Communication Engineering held at MITS Gwalior during March 04-05, 2016.
15. Mr. Shiv Kumar & Mr. Prateek Aggarwal from Dept. of ECE attended a One-Week Short Term Course on “Matlab Based Design Simulation” at NITTTR, Chandigarh during March 07 to March 11, 2016.
16. Department of Electrical Engineering organized an industrial visit for IIInd year students to Uttarakhand Jal Vidhut Nigam Limited (UJVNL) Power House, Pathri on March 10, 2016. Mr. Yogesh Kumar and other staff accompanied the students.
17. Dr. Ajay Kumar attended a Short Term Training programme on “Nuclear Science and Nuclear Power Generation” organized by NITTTR, Bhopal during March 14 to March 18, 2016.
18. Sanjeev Kumar Lambha presented a paper titled "Bifurcation Analysis of Hydrodynamic Plain Journal Bearing Lubricated with Couple Stress Fluid" in National Conference on Advances in Computer Integrated Manufacturing (NCACIM-III) organized by MBM Engineering College, Jai Narain Vyas University Jodhpur on March 18-19, 2016.
19. A one-day “Robotics Workshop” was organized in the Department of Electrical Engineering for II year students on March 19, 2016. Mr. Gajendra Singh Rawat and Mr. Yogesh Kumar coordinated the workshop.
20. Sanjeev Kumar Lambha published a Paper titled "Bifurcation Analysis of Hydrodynamic Plain Journal Bearing Lubricated with Couple Stress Fluid" in International Journal of Advance Engineering and Research Development in Volume 3 Issue 3, March 2016.
21. Kapil Mittal published a paper titled “Application of Fuzzy TOPSIS MADM approach in ranking & underlining the problems of plywood industry in India” in Cogent Engineering issue 3, March 2016.
22. Rishi Kumar Prajapati & Sunil Kumar attended a one-week Short Term Course on “Recent Trends in Automobile Engineering” at NITTTR Chandigarh in March 2016.
23. Sunil Kumar attended three day Workshop on “Efficient energy generation and utilization in Uttarakhand” in March 2016.
24. Dr. Vipul Sharma has delivered an expert lecture on the topic "Microwave Imaging in Cancer Detection", in the National Workshop on "Microwave and Wireless Communication", organized by Dept. of ECE, FET, M. J. P Rohilkhand University, Bareilly on March 30, 2016.
25. Department of ECE organized various alumni interaction program in which Mr. Lalit Rahi, Technical Officer ECIL, Mr. Abhinav Kotnala, Senior IT Consultant, Bangalore, Mr. Aditya Pant, Lieutenant, Indian Navy, and Mr. Kailash Khoiwal from HCL, Noida came to visit the campus and interacted with the Third Year Students.
26. Dr. Sunil Panwar, Amit Chaudhary and Vijay Kumar published a paper on “Theoretical Study of Zero Field Thermoelectric Power of Colossal Magnetoresistive Manganites: A Variational Treatment” in Asian Journal of Physics (24) no 11 (2015) 1575- 1580.
27. Dr. Sunil Panwar, and Vijay Kumar presented a paper on “Magnetic Susceptibility of Colossal Magnetoresistive Manganites” at the National Conference on “Photonics and Material Science (NCPMS). November 18-19, 2015 at Guru Jambheshwar University of Science & Technology, Hisar.

Student Achievement and Activity

1. Aman Johari (ECE, VI sem) and Nikhil Srivastava (ME, VI sem) presented a paper titled "Use of Daily Energy Losses in Generating Energy Using Piezo Electric", Sameer Yadav (ME, VI sem) and Piyush Yadav (ME, VI sem) has presented a paper titled "Ultra Low Head Microturbine", in the conference on "Efficient Energy Generation & Utilization in Uttarakhand", at College of Engg. Roorkee, Roorkee (COER) between March 10-12, 2016.
2. Deepak Kumar and Shanti Bhushan, two students of ECE final year were placed in "Halonix Technologies Limited"
3. Sakul Garg, (ME, IV sem), secured First position in Uttarakhand state with an award of Rs. 20000/- in All India Online Quiz Competition on Dr. B.R. Ambedkar, organized by Dr. Ambedkar Foundation, New Delhi on January 16, 2016.
4. Sakul Garg of (ME, IV sem) participated in a National Level Seminar on "Make in India: Challenges in Global Perspective" organized by Bishamber Sahai Group of Institutions, Roorkee & secured 1st Place and cash prize of Rs. 5100/- on March 14, 2016.
5. A National Essay Writing Competition was organized by Central Ground Water Board, Min. of Water Resources & Ganga Rejuvenation, GOI at various levels from March 1-17, 2016 across the country. Sakul Garg (ME, IV sem) bagged the Consolation prize of Rs. 10000/- and Certificate of Merit at National Level.
6. Deepanshu Raj, CSE 3rd Year, awarded with Google AdWord Certification exam by passing the AdWords Fundamentals and Mobile Advertisement Exams.

Freshers in CSE, ME, ECE, EE



Alumni Interaction Program in Department of ECE



Department of Electronics and Communication Engineering organized an Alumni program, in which Mr. Lalit Rahi, Technical Officer in ECIL (Electronics Corporation of India Ltd.) Hyderabad, Mr. Abhinav Kotnala, senior IT consultant in Bangalore, Mr. Aditya Pant, of 2013 batch, presently Lieutenant, Indian Navy, and Mr. Kailash Khoiwal 2011 batch pass out presently working in HCL, Noida came to visit the campus and interacted with the Third Year students. They shared their experience with the students of the department and answered the queries as well as motivated and guided them for preparing themselves for PSU's. we wish them bright future and all success in life.

Tips and Tricks for Faster Internet on Mobile Phone

- 1. Check connection:** An easy way of doing this is to use an app such as Speedtest, which allows you to determine quickly how much your Wi-Fi or mobile network might be holding you back. Connections can be affected by heavy congestion, peak hours or issues with the network provider or your data plan.
- 2. Clean your phone's internal Memory:** Clear out your phone memory and make use of external storage where you can. On some devices, you can make sure all downloads end up on your SD card, or you could utilize services like Dropbox or Onedrive.
- 3. Kill Background apps:** Close any apps running in the background and keep an eye on how much data they are consuming. If you have an Android phone, download the data-saving Opera Max to manage app usage and compress your internet data across most apps.
- 4. Disable auto-sync:** on other apps you are using. For example, if your Google photos are constantly automatically syncing with your account, this can drain resources considerably.
- 5. Change your browser:** Experiment with lightweight browsers like Opera Mini. The app crunches the size of websites you visit, so you still get the content you want, even in bad network conditions.
- 6. Disable browser to load images automatically:** like in opera through Settings, you can choose the browser to stop loading images or change the image quality being loaded each time.
- 7. Save pages you want to visit again:** you can save those important pages which you were reading and want to read again after some time while you are offline that will eventually load the page faster.
- 8. Reboot the browser if they are lagging:** if you do so it will clear the temporary memory and reload the fresh pages using old cookies, this will increase the loading speed of the page and faster browsing while on low resources.



Mr. Suyash Bhardwaj

Dept. of CSE, FET, GKV, Editor NABHAG 5

ISCA : Haridwar Chapter : National Science Day

A Science Quiz Competition was organized by The Indian Science Congress Association: Haridwar Chapter on the occasion of National Science Day on February 28, 2016 at Jawahar Navodaya Vidyalaya, Roshnabad, Haridwar. In the quiz competition Abhishek & Monika, Shweta & Saurabh, and Faisal & Tanya hold the First, Second and Third positions respectively.

Prof. Surender Kumar, Vice chancellor, Gurukula Kangri Vishwavidyalaya was the chairman of the event. He made the students aware about correlation between Science & Religion and told that Science and religion both are sequel of each other. Prof. Rajeev Jain, Dean, Faculty of Engineering & Technology, Jiwaji University, Gwalior delivered the keynote lecture on "Magic in Science". Mr. B.S.S. Rautela, Director Oxford Public School Roshnabad was the chief guest of the function. He supported the words of Prof. Rajeev Jain and asked the students to be enthusiastic and aware about the science related with daily life activities. Prof. R. D. Kaushik, Convener ISCA: Haridwar Chapter told about the various activities organized by ISCA: Haridwar Chapter and congratulated the students for getting awards in science quiz competition.



Sports @ FET

Various sports activities were organized in FET in this semester, including Cricket Championship, Football tournament, Badminton and volleyball. Students from all the branches participated in the sports activities. In Football Tournament EE III year bagged the first place and ME II year stood at runner up position. In Cricket CSE II year took over CSE IV year and became the winner. In Volleyball Championship ME grabbed the Cup while ECE have to settle down for runner up position. All the faculty members were present where as Dr. Dharmendra Baliyan coordinated all the events.



Direct Admissions to B.Tech Iyear (Lateral Entry) 2016-17

for Diploma Holders & B.Sc. Candidates

And

Admissions to B.Tech First Year

(Through CSAB-2016/JOSAA-2016 Counseling)

- Computer Science & Engineering
 - Electrical Engineering
 - Electronics & Communication Engineering
 - Mechanical Engineering
- (For Male Candidates Only)

Gurukul Kangri University offers 4 year B.Tech Degree Program in (Computer Science & Engineering, Electronics and Communication Engineering, Electrical Engineering, Mechanical Engineering). Admissions to first year will be made through counseling by Joint Seat Allocation Authority(JOSAA) 2016/ Central Seat Allocation Board (CSAB) 2016 on the basis of Combined Merit List (CML) based on JEE Mains 2016 & Direct admissions to II year (for Diploma Holders & B.Sc. Candidates) will be made by entrance test conducted by Gurukul Kangri University For further details visit www.gkv.ac.in

FET @ NEWS

छात्रों को बताई विज्ञान की बारीकियां

अमर उजाला ब्यूरो

हरिद्वार। इंडियन साइंस कांग्रेस एसोसिएशन हरिद्वार चैप्टर की ओर से रविवार को जवाहर नवोदय विद्यालय में राष्ट्रीय विज्ञान दिवस समारोह का आयोजन किया गया। समारोह में छात्रों को विज्ञान की बारीकियों के विषय में बताया गया।

समारोह की अध्यक्षता करते हुए गुरुकुल कांगड़ी विश्वविद्यालय के कुलपति प्रो. सुरेंद्र कुमार ने प्रतिभागी छात्रों को धर्म और विज्ञान के संबंध में जानकारी दी। मुख्य वक्ता जीवाजी विवि के प्रोफेसर डा. राजीव जैन ने छात्रों को विज्ञान की बारीकियों की जानकारी दी। इंडियन साइंस कांग्रेस हरिद्वार



नवोदय विद्यालय में आयोजित कार्यक्रम के दौरान छात्रों से बात करते मुख्य वक्ता राजीव जैन।

चैप्टर के संयोजक प्रोफेसर आरडी कौशिक ने हरिद्वार चैप्टर द्वारा विज्ञान के प्रचार एवं प्रसार के लिए किए गए कार्यों का उल्लेख किया। इस अवसर आयोजित साइंस प्रतियोगिता में अभिषेक, मोनिका ने प्रथम, श्वेता, सौरभ ने द्वितीय और

विज्ञान की बारीकियां बताई

हरिद्वार। जवाहर नवोदय विद्यालय रोशनाबाद में इंडियन साइंस कांग्रेस एसोसिएशन हरिद्वार चैप्टर की ओर से राष्ट्रीय विज्ञान दिवस समारोह मनाया गया। इसमें छात्र छात्राओं को विज्ञान की बारीकियां बताई गई।

गुरुकुल कांगड़ी विवि के कुलपति प्रो. सुरेंद्र कुमार ने कार्यक्रम की अध्यक्षता की। जीवाजी विवि के प्रोफेसर व डीन फेकल्टी ऑफ इंजीनियरिंग डॉ. राजीव जैन मुख्य वक्ता रहे। प्रो. आरडी कौशिक, नवोदय विद्यालय के प्राचार्य एससी जोशी ने विज्ञान को लेकर कई रोचक तथ्य बताए। साइंस विज्ञान में शिवालिक हाउस के अभिषेक व मोनिका पहले, अरावली हाउस के श्वेता व सौरभ दूसरे और उदयगिरी हाउस के फैसल व तान्या तीसरे स्थान पर रहे। विजेताओं को

विज्ञान में अभिषेक, मोनिका अव्वल हरिद्वार : जवाहर नवोदय विद्यालय रोशनाबाद में रविवार को विज्ञान प्रतियोगिता आयोजित की गई। इसमें अभिषेक व मोनिका को प्रथम, श्वेता व सौरभ को द्वितीय तथा फैसल व तान्या को तृतीय स्थान प्राप्त किया। दिजयी प्रतिभागियों को पुरस्कृत किया गया। नोबेल पुरस्कार विजेता सीवी रमन की स्मृति में आयोजित प्रतियोगिता में गुरुकुल कांगड़ी विश्वविद्यालय के कुलपति प्रोफेसर सुरेंद्र कुमार ने कहा कि सृष्टि एक विज्ञान है जो छात्र इस पर जितनी तन्मता से मंथन करेंगे वह उतना ही आगे बढ़ेगा। जीवाजी विश्वविद्यालय ग्वालियर के फेकल्टी ऑफ इंजीनियरिंग के डीन प्रोफेसर राजीव जैन ने भी छात्र-छात्राओं को विज्ञान की बारीकियों को समझाया। इस दौरान प्रोफेसर आरडी कौशिक, प्रधानाचार्य एससी जोशी, एलपी पुरोहित, डॉ. एमएम तिवारी, संजीव कुमार लाम्बा, डॉ. जसपाल सिंह, डॉ. धर्मेन्द्र बालियान, डॉ. ऋचा सेनी, विकास कुमार

मेक इन इंडिया पर छात्रों ने रखे विचार



रुड़की के विश्वम्भर सहाय इंस्टीट्यूट में सेमिनार का उद्घाटन करते अतिथि। ● हिन्दुस्तान

रुड़की | कार्यालय संवाददाता

वशंवर सहाय ग्रुप ऑफ इंस्टीट्यूट में राष्ट्रीय सेमिनार में 'मेक इन इंडिया-लेजेंड इन ग्लोबल पर्सपेक्टिव' विषय विशेषज्ञों ने विचार रखे।

सेमिनार में गुरुकुल कांगड़ी के हल गर्ग प्रथम, आरसीई की चैतन्या शर्मा व आईएमएस की नैन्सी बिष्ट चुनी गईं। मुख्य अतिथि उत्तराखंड नीकी विवि के कुलपति प्रो. पीके गर्ग,

विशिष्ट अतिथि एचआरडीए की सचिव निधि यादव ने सेमिनार का उद्घाटन किया। निर्णायक मंडल में आरकेई के पूर्व प्रोफेसर एमसी गोयल, गुरुकुल कांगड़ी विवि के मयंक अग्रवाल और एसडी डिग्री कॉलेज की पूर्व प्राचार्य डॉ. मधुराका सक्सेना रहीं। इस दौरान प्रमोद वर्मा, दिवाकर जैन, सुनील चौहान, अजय गौतम, ओम कुमार, हुमा, संजना, प्रीति निधि, अरविंद, सुबोध, मांगे हसन, संदी गुप्ता आदि मौजूद रहे।