

Best Practices-4

Contributions/ Participations in State/Nation building Programme-Initiative of Government



Contributions/ Participations in State/Nation building Programme-Initiative of Government

Making higher education institutions provide solutions for problems in Villages and Science Education interesting and Joyful



RashtriyaAvishkarAbhiyan&Unnat Bharat Abhiyan activities

- In pursuance of the focus on connecting innovative knowledge to life outside the class room and making learning of Science Mathematics a joyful and meaningful activity, to bring focus on innovation and use of technology, the **Ministry of Human Resource Development, Govt. of India** has set up the **RashtriyaAvishkarAbhiyan (RAA)** - a convergent framework to encouraged and supported to heights of academic excellence and research. While the **Unnat Bharat Abhiyan** — a scheme of the Centre aimed at making higher education institutions provide solutions for problems of villages and much wider participation from many higher educational institutions. In these programme.



Prof. P. Bhattacharya (2nd from left), Director, IIT Patna inaugural session in Aug. 2018. Dr. Rakesh Kr Singh participated as a local coordinator and Resource person.

Dr. Rakesh Kr Singh delivered a Lecture as an expert/resource person at IIT Patna. He has conducted 4 workshops as a local coordinator of RAA at Indian Institute of Technology (IIT) Patna. Total about 500 students and Teachers participated in this healthy programme

Contributions/ Participations in State/Nation building Programme -Initiative of Government

RashtriyaAvishkarAbhiyan&Unnat Bharat Abhiyan activities



Prof. P. Bhattacharya, Director, IIT Patna Felicitating to Dr. Rakesh as a Resource person in Teachers/Students Workshop at IIT Patna in RashtriyaAvishkarAbhiyanprogramme. On this occasion Prof.Rajmani Prasad Sinha, former Vice Chancellor and chairman, Bihar School examination board chairman was also on the dias and address the different technical sessions.



1stWorkshop at IIT Patna on **RashtriyaAvishkarAbhiyan** from 7-9 April, 2017. Similar programme was organized four times between year 2017 to 2019. Conducted this workshop as local coordinators and Resource person by Dr. Rakesh Kr Singh

State/Nation building Programme -Initiative of Government Atal Tinkering laboratory



Delivering a lecture in programme in Atal Tinkering laboratory, Initiative by MHRD, Govt. of India. The theme of the lecture was Science & Research in my life and Sustained development of society



Technology Day-11th May(Human Chain) for Mass awareness

National technology day is observed every year on 11th May in India, acting as a reminder of the anniversary of Shakti nuclear test. The day highlighted the importance of science in daily life and encourages students to embrace Science and research as a career option. In this regard organized human chain in front of university campus on focal theme- **“Jai Vigyan and Jay Anusandhan”**. Dr. Rakesh have been organizing this National Technology day since more than 7 year as a coordinator and delivered a Inspiring scientific talk for children and students of school and colleges.

State/Nation building Programme -Initiative of Government



National science day is celebrated in India on 28 February each year to mark the discovery of the Raman effect by Indian Physicist sir C.V.Raman on 8 February 1928. For this discovery, sir C.V.Raman was awarded Nobel prize in Physics 1930. From year 2004 to 2019, Dr. Rakesh have been organizing this national science day for students. On this occasion, small science rally is also organized from S.K.Science center, Gandhi maidan Patna to Secretariat, Bailey Road.



Concept oriented Physics Teaching workshop conducted at IIT Patna under RashtriyaAviskarAbhiyan Programme. In this workshop teachers of higher secondary level of Kendriya Vidyalay participated. The focal theme of this workshop was to train teacher for concept oriented teaching to students so that students can be aware about importance of discovery and invention for the society

RashtriyaAvishkarAbhiyan&Unnat Bharat Abhiyan activities



Mohania, Sasaram



Science College Patna



Inspire for BSR at MMC-PUKilkari, Patna



Empowering Students and Teachers Network in state Bihar through orientation programme for different students/teachers related programme Preparation of scientific projects for students, promotion of Basic scientific research, learning through low cost experiment etc.

Conferences/Seminars/Symposiums/Workshops organized for the Scientific progress of Bihar



Organized National Symposium on 'Ethics in Science and Technology' 22nd August, 2009, Inaugurated by- Prof. K.L.Chopra, Ex-Director, IIT kharagpur, Prof. A.K.Bhowmick, Director-IITPatna, Prof. Shyam Lal, Vice chancellor, Patna University, Dr. Sister doris D'Souza, Principal, Patna Women's college, Dr. S. Prasad, Head, Physics and Dr. RakeshKr Singh, Asst. Prof. (**Organizing Secretary**)



Winner of the Essay contest students with CVC chairman at S.B.I main branch
Essay contest on Public Participation in "**Promoting Integrity and Eradicating Corruption**" Was held on 26th October. Dr. Rakesh Kr Singh was programme coordinator

Participated as expert in various committee member for the holistic development and Progress of state Bihar.



UGC - NAAC interaction with Dept. of Physics, Patna Women's Collage



Birla Institute of Technology, Patna



Dr. Rakesh participation in Academic Council Member of University in Convocation. He is also Convener, Doctoral committee of Post-Graduate Programme and research in Nanoscience and served as Head/Incharge of the Nanotechnology Center for about 6 years.



Attended on invitation as a stakeholder Interaction meet with Hon'ble MHRD minister, Sri Prakash Javadekar and UGC chairman at Pune on focal theme "Shodh, Shiksha and Samiksha".

Invited Talk/Lecture Delivered by Dr. Rakesh Kumar Singh in various parts
o Bihar for Revitilization of Science education



Patna



Muzaffarpur



INSPIRE session-A programme of Department of Science and Technology



Students workshop at Patna



Kilkari

Ethics/ Innovations based activities carried out by Dr. Rakesh Kumar Singh



Conducting Science Experimental Classes with special attention



*The Principal, Staff and Students of
Science Departments,
Patna Women's College, Patna University
and
Society for Scientific Values, Delhi*

*cordially invite you to attend the Inaugural Function of
The National Symposium on
'Ethics in Science & Technology'
on 22nd August, 2009
at 10:30 a.m. in the Stage Hall, Patna Women's College*

*His Excellency **Shri Devanand Konwar**
Governor of Bihar
has consented to inaugurate the National Symposium*

Prof. Shyam Lal
Hon'ble Vice Chancellor, Patna University, Patna

Prof. A.K. Bhowmick
Director, IIT, Patna
and
Dr. R.K. Kotnala
Dy. Director, National Physical Laboratory, New Delhi
will be Guests of Honour

Prof. K.L. Chopra
Former Director, IIT, Kharagpur
will preside over the function

Prof. Janak Pandey, V.C., Central University of Bihar
and
Prof. Jitendra Kumar Singh, V.C., NOU, Patna
will be Special Guests

Dr. Sister Doris D'Souza A.C.
Patron

✓ **Dr. Rakesh Kumar Singh**
Organizing Secretary

Dr. Surabhi Prasad
Convenor

Dr. Aprajita Krishna & Ms. Kavita Verma
Joint Organizing Secretaries



Please take your seat by 10:00 a.m. (Programme overleaf)

Organized Some special International level Bihar Science Conference for state Bihar



Bihar Science Conference-A Global Conference on Science and Technology has been organizing since year 2008 by Bihar Brain development society in collaboration with universities of Bihar. The BBrainsociety run by NRIs, NRBs and educationist from Bihar. The objective of this conference is to bring together experts from various field to a place and help young researchers in Bihar to reach their field experts and lead a brigher academic future. 1st Bihar science conference was held at Patna university. 7th Bihar Science Conference was organized by Patliputra university. Eminent academicians like Prof. Yash Pal, Prof. H.E.Hasnain, Scientific advisor to PM, H.E, Dr. Kalam former president, India; Dr. R.K.Pachauri, nobel laureates, Dr. U.N.Singh, Chief Technologist, NASA, USA and others delivered a key note address. *Dr. Rakesh as excutive Council member and as organizing committee member of this conference actively participated and given significant time in this conference for the benefit of people of Bihar from year 2008 to till date.*

1st Time in Bihar organized Basic and Applied Science Awareness workshop for Researchers of Bihar, Supported by UGC-DAE





Awareness Workshop For Univesrity Users For Collaborative Research in Basic & Applied Sciences

9 & 10 January, 2013
Venue: Stage Hall, Patna Women's College

On behalf of the organizing committee, it is our pleasure to invite you to the inaugural function of the **Awareness workshop for University Users for Collaborative Research in Basic & Applied Sciences** organized jointly by UGC-DAE Consortium for Scientific Research, Kolkata Centre and Deptt. of Physics, Patna Women's College, Patna on 9th January 2013 at 10.15 a.m.

Sri Amarjeet Sinha, IAS
Principal Secretary
Deptt. of Education, Govt. of Bihar, Patna
has consented to inaugurate the Research workshop

Prof. (Dr.) Ashok De
Director, National Institute of Technology(NIT) Patna
will be the Guest of honour

Patron Dr. Sister Marie Jessie A.C. Principal Patna Women's College	Chairperson Dr. Surabhi Prasad Deptt. of Physics Patna Women's College	Convenor Dr. Rakesh Kr. Singh Deptt. of Physics Patna Women's College	Convenor Dr. M. Sudarshan UGC-DAE- CSR Kolkata Centre
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First time in Bihar **Dr. Rakesh Kr Singh** organized Awareness workshop for researchers of Bihar as a **Convenor**. As a Impact, few dedicated research group of Bihar associated with UGC-DAE centers and are working for revive of past glory of state Bihar in the field of science and innovations.

Scientific Visit for the Development and Progress of Bihar



Senior Resource Person workshop at Homibhabha center for Science Education, Mumbai



Delivering a Talk on International Year of Light-Proclaimed by unitednations for public understanding of Importance of light in Dailey life at Kanpur University.



Participating in National building programme with Prof. K.L.Chopra sir, Ex-Director, IIT kh.

Actively shown interest in Environmental and peace, harmony related education in state Bihar



Environment Conservation out reach-Huam Chan Stands-Up for MilleniumDevlopement goal



Peace, Harmony, Human values and Spritual Growth session.



Population growth control human chain



Donating blood to needy person.

Seminar on Atomic Energy in Hindi for Students and Teachers of Bihar Organized as Co-coordinator of this National Seminar



संयोजक के रूप में इस सेमिनार को आयोजित किया

हिन्दी विज्ञान साहित्य परिषद्, **भाभा परमाणु अनुसंधान केन्द्र, मुंबई** विगत लगभग पाँच दशकों से प्रगत वैज्ञानिक एवं प्रौद्योगिकी के विविध क्षेत्रों में हो रहे शोध व विकास कार्यों को **राजभाषा हिन्दी** के माध्यम से जनसामान्य एवं वैज्ञानिक समुदाय तक पहुँचाने हेतु कई कार्यक्रमों का आयोजन कृत-संकल्प भाव से करती आ रही है। इन कार्यक्रमों में एक लोकप्रिय आयोजन है मुंबई के बाहर संबंधित स्थानीय विश्वविद्यालय/अनुसंधान केन्द्र के सहयोग से राष्ट्रीय विज्ञान सेमिनार का आयोजन करना। इसी क्रम में, 7- 9 मार्च 2019 को **भाभा परमाणु अनुसंधान केन्द्र, मुंबई** एवं **आर्यभट्ट ज्ञान विश्वविद्यालय पटना** के संयुक्त तत्वाधान में “पाटलीपुत्र में नाभिकीय विज्ञान एवं प्रौद्योगिकी की गंगा” विषय पर एक राष्ट्रीय विज्ञान सेमिनार का आयोजन किया गया। इस राष्ट्रीय सेमिनार में देश के 14 ख्याति प्राप्त वैज्ञानिकों का व्याख्यान विज्ञान के अग्रणी विधाओं पर परिचर्चा होगी। 07 मार्च 2019 को 2.00 बजे कक्षा 9 से 12 के बच्चों को परमाणु उर्जा से संबंधित सामान्य ज्ञान प्रतियोगिता का आयोजन किया जाएगा। इसके अतिरिक्त डा० ए. के. सिन्हा, Nuclear power Corporation, India Limited (**भाभा परमाणु अनुसंधान केन्द्र, मुंबई**) का Guaranteed Success for Students in All Competitions विषय पर व्याख्यान होगा। अतः आप अपने संस्था से 05 विधार्थी को नामित करने की कृपा की करें ताकि विज्ञान एवं टेक्नोलोजी के क्षेत्र में युवा पीढ़ी का रुझान बढ़ सके।

Counseling of Parents session as coordinator for shaping the society by Young Minds in Science Education



Career Guidance of Physics education to Parents of B.Sc Students, Patna Women's Collage



In this connection, special session was organized with Eminent scientists Prof. Yashpal- Appreciating basic science in dailey life. Parents were motivated that students caring for their state/nation building programs



Release of Journal -IRIS- Journal for Young Scientist by Vijay Prakash, IAS, principal Secretary Dept. of Planning & Development, Govt. of Bihar at Patna Women's College



Experimental activities report of Dr. Rakesh was examined by NAAC peer team an autonomous body of UGC peer team.

प्रभात खबर भागलपुर, रविवार, 28 जुलाई, 2013 06

विज्ञान व तकनीकी क्षेत्र में चर्चा की जरूरत

दो दिवसीय भौतिकी विज्ञान शिक्षक प्रशिक्षण कार्यशाला

मंचासीन अतिथि व उपस्थित शिक्षक

प्रतिनिधि ■ मुंगेर

विज्ञान सेवा समिति एवं भारतीय भौतिकी शिक्षक परिषद अन्वेषिका मुंगेर के संयुक्त तत्त्वान्वेषण में शनिवार को सरस्वती विद्या मंदिर पुरानीगंज में विज्ञान विषय पर दो दिवसीय कार्यशाला का आयोजन किया गया. कार्यशाला में मुंगेर, लखीसराय एवं जमुई जिलों के माध्यमिक एवं उच्च माध्यमिक विद्यालयों के विज्ञान शिक्षक भाग ले रहे हैं. कार्यशाला का उद्घाटन आइआइटी

कानपुर के स्रोत विशेषज्ञ प्रो. एचसी वर्मा एवं पटना वीमेंस कॉलेज के प्रो. राकेश कुमार सिंह ने संयुक्त रूप से दीप प्रज्वलित कर किया. अन्वेषिका के संयोजक प्रो. केएन राय ने कार्यशाला के उद्देश्य के बारे में बताया. प्रो. एचसी वर्मा ने कहा कि हमारे देश में सामाजिक, राजनैतिक एवं आर्थिक समस्याओं पर चर्चाएं होती ही रहती हैं. किंतु विज्ञान एवं तकनीकी क्षेत्र में उभरती शून्यता पर कोई चर्चा नहीं होती है. जबकि राष्ट्र के स्वतंत्र अस्तित्व को बनाये रखने के

लिए विज्ञान एवं तकनीकी के क्षेत्र में उन्नत होना आवश्यक है. इसलिए आज जरूरत इस बात की है कि देश में विज्ञान एवं तकनीकी क्षेत्र में भी चर्चा व गोष्ठी होनी चाहिए. विज्ञान सेवा समिति के अध्यक्ष राम नरेश पांडे ने शिक्षकों का आह्वान किया कि कार्यशाला में प्राप्त ज्ञान से अपने बच्चों को विज्ञान के क्षेत्र में उत्कृष्टता प्राप्त करने के लिए प्रेरित करें. प्रो. एचसी वर्मा एवं प्रो. राकेश कुमार सिंह द्वारा सरल प्रयोगों के माध्यम से भौतिक

विज्ञान के मूल सिद्धांतों की विस्तार से विवेचना की गयी. उन्होंने कई गूढ़ रहस्यों को भी उद्घाटित किया तथा विज्ञान को लोकप्रिय बनाने के लिए उसे आम जिंदगी की घटनाओं एवं आसपास उपलब्ध सामग्रियों से जोड़ने के बारे में बताया. इस मौके पर विजय प्रसाद, प्रधानाचार्य अमरेश कुमार झा, शिक्षक नेता नवल किशोर सिंह, प्रो. जयप्रकाश नारायण, सचिव सुखदेव प्रसाद, सुरेश प्रसाद यादव, दिनेश कुमार, प्रदीप कुमार मौजूद थे.

छोटो | प्रभात खबर

