Rajeev Gandhi Govt. P.G. College, Ambikapur, Surguja (C.G.)

Departmental Activity Report

(From 2019 to 2024)

Activity-1

International Seminar

On

New Emerging Dimension in Science, Technology and Management

12th – 13th March, 2023

Organized by

Department of Physics and Electronics



-: Organized By :-

Department of Physics and Electronics Rajeev Gandhi Government Autonomous Post Graduate College Ambikapur Sarguja Chhattisgarh

Organizing Committee

Patron Dr. Rizwan Ullah Principal, RG Govt.P.G. College Ambikapur,Surguja (C.G.)

> Convener Dr. S.K.Srivastava Professor & Head, Department of Physics

Co-Convener Smt Kiran Minj Asst.Prof.Dept.of Physics

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Shri Chetan Kumar,	HOD Comp. App.
Shn Rajeev Kumar,	HOD Sanskrit
Ms Monica Xess,	HOD Comp. Sc.
Mr. Chaman Kumar,	Librarian

Important Dates

Abstract submission 18-02-2024 Acceptance of Abstracts 20-02-2024 Submission of full paper 25-02-2024

About College

Rajeev Gandhi Govt. P.G. College Ambikapur, Surguja (C.G.) is an institute of excellence committed since its establishment in 1960 to the all round development of students particularly the deprived sections of society and to help then imbibe the highest values of human civilization, inspiring then to become worthy citizens of India of future. Our mission is to provide such education that supports and promotes employment generation but not at the cost of our value system. Our emphasis is on access, equity, excellence and relevance. Our endeavor is to provide fair opportunities to the deserving and ambitious

students. Our efforts would be to provide fair opportunities to all the students from weaker sections of the society to acquire special and useful knowledge...

Post Graduate and 24 Under Graduate department. Each PG Department have own research Centre

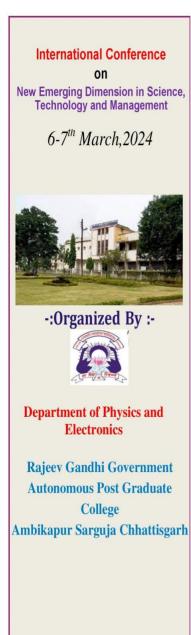
Registration Fee details

Academician / facultyRs1000.00 onlyResearch scholarRs. 500.00 onlyStudents (UG + PG)Rs. 300.00 only

Google Form Link -

https://forms.gle/du9QjRBSCTGs4ydU7

https://docs.google.com/forms/d/e/1FAI pQLSdJoHmRFDGKaidHRh07H4I0 QvmFZ4g9B01GnV0_MIKN6RJB8 Q/viewform?usp=sf_link



International Advisory Committee

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Name of Beneficiary - Principal, R.G. Govt. P. G. College Ambikapur A/C. No. : **50200022648884** IFSC: **HDFC0000917** BRANCH: namana Kala ,Ring Road Ambikapur Sarguja, C.G.

About the Conference

International conference on New Emerging dimension on Science, Technology and Management is going to organize by Department of Physics on the occasion National Science day. The basic aim to organize this conference to meet the scientist, teacher and researcher on common platform to interact and discuss about the events happening in the area of science , Technology, and management.

This conference is aimed at providing the 360 degree understanding of the three pillars of sustainable development Science, Technology and Management making it ideal choice to equip prospective students to work in research, project management, governance and administration for environmental protection and sustainable development.

Sub-Topic of the Conference

The following sub topics should be discussed in the conference

- Antenna and Microwave Propagation
- Electronic and Glass Ceramics
- Microwave Processing of Ceramic Materials
- Synthesis and characterization of Ceramic Materials
- Soil Physics and Remote Sensing
- Effect of Microwave Radiation on Biological Tissue
- Non-Conventional Energy Resource
- Socio Economic Survey of Rural Area
- Recent development in Management
- Phyto-Electric treatment of Plant
- Nano Technology
- Stellar and Nuclear Physics
- Computer Network and ICT
- Business Management
- Biodiversity conservation and ecosystem series.
- E-waste management and waste management hazards.

Paper Submission Guidelines

The Delegates who are willing to contribute/ participate/ Paper Presentation can submit their papers on the above themes and subthemes with abstract not exceeding 250 -300 words. Full-length paper approximate 3000-4500 words.

Abstract and full-length paper should be sent to- Email: akramj392@gmail.com

The selected papers will be published in book with ISBN in an International/ National Publisher.

All the submission should be in MS word formats typed in double space Time New Roman font 12 point size for English paper. The first page must contain the title of the paper, Author's Name, Designation, Affiliation, Contact Number and email-id.

(Extra charge Rs. 1000.00 for ISBN Book/Peer Reviewed/ Scopus Journal, hard copy/softcopy)

No TA/DA will be provided to the Participants.

Registered participants will be provided seminar kit, Breakfast and lunch.

Award on Best Presentation

As a part of this conference, a poster presentation session is also arranged for participants at the institute. It is a platform where you can show case your research in a creative way. You will get a chance to connect with well-known academia and researchers during the seminar.

The best poster presentation will receive a prize (**Rs. 1000.00 Only**) while each participant will get a certificate of participation. Poster Size - 48" x 60" Inch / 1.2 x 1.5 Meter.

I. Introduction

International conference on New Emerging dimension on Science, Technology and Management is going to organize by Department of Physics on the occasion National Science day. The basic aim to organize this conference to meet the scientist, teacher and researcher on common platform to interact and discuss about the events happening in the area of science , Technology, and management.

This conference is aimed at providing the 360 degree understanding of the three pillars of sustainable development Science, Technology and Management making it ideal choice to equip prospective students to work in research, project management, governance and administration for environmental protection and sustainable development.

Emerging technologies are technologies whose development, practical applications, or both are still largely unrealized. These technologies are generally new but also include old technologies finding new applications. Emerging technologies are often perceived as capable of changing the status quo.

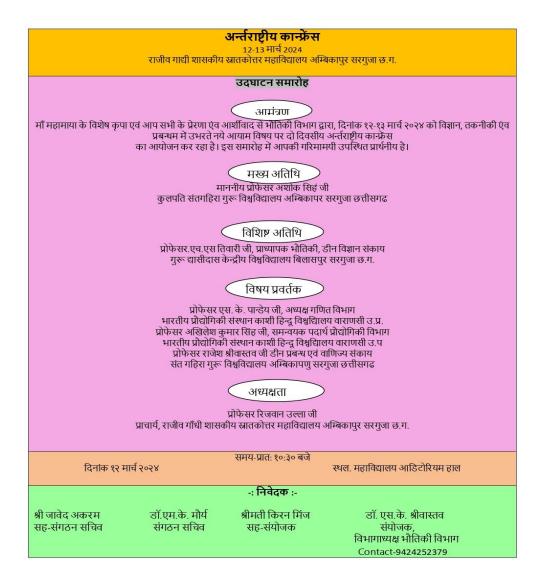
Emerging technologies are characterized by radical novelty (in application even if not in origins), relatively fast growth, coherence, prominent impact, and uncertainty and ambiguity. In other words, an emerging technology can be defined as "a radically novel and relatively fast growing technology characterized by a certain degree of coherence persisting over time and with the

Potential to exert a considerable impact on the socio-economic domain(s) which is observed in terms of the composition of actors, institutions and patterns of interactions among those, along with the associated knowledge production processes. Its most prominent impact, however, lies in the future and so in the emergence phase is still somewhat uncertain and ambiguous.

Emerging technologies include a variety of technologies such as educational technology, information technology, nanotechnology, biotechnology, robotics, and artificial intelligence.

New technological fields may result from the technological convergence of different systems evolving towards similar goals. Convergence brings previously separate technologies such as voice (and telephony features), data (and productivity applications) and video together so that they share resources and interact with each other, creating new efficiencies.

Emerging technologies are those technical innovations which represent progressive developments within a field for competitive advantage; converging technologies represent previously distinct fields which are in some way moving towards stronger inter-connection and similar goals. However, the opinion on the degree of the impact, status and economic viability of several emerging and converging technologies varies.



Depa	International Conference on New Emerging Dimension in Science, Technology and Management 12-13 March 2024 Organised by artment of Physics, Rajeev Gandhi Govt. P.G. College, Ambikapur, CG Conference Schedule
09:00 AM -10:30	Day -1: March 12 , 2024
AM	Registration
10:30 AM -11:30 PM	Inauguration Session
11:30 PM-01:30 PM	Technical Session – I Chair Person:- Prof. R.N. Khare, Principal, Govt. (VEC) Engineering College, Ambikapur (CG) Reporter: - Dr. Praveen K Sahu, Deptt. Of Mathematics, Govt. SPM College, Sitapur (CG) Invited Talk: - 1.Prof. S.K.Pandey, Prof. & Head, Deptt. of Mathematics, IIT, BHU Varanasi U.P. 2. Prof. Akhilesh Kumar Singh, Co-ordinator, School of Materials Science and Technology, IIT, B.H.U. Varanasi U.P. 3. Dr. Kushmanjali Deshmukh, Asstt. Prof. Department of Physics, Govt. Science College Durg C.G., 4. Dr. R. Palai, Prof. Deppt. Of Physics, University of Puerto-Rico San-Juan, USA Presenter:- 1. Shri Jay K Mehra & Vijay K Sahoo, NIT, Raipur, CG 2. Dr. R. K. Kurre, Deptt. Of Physics, Govt. JPM College, Takhatpur, CG. 3. Ms Shruti, Research Scholar Department of Applied Mathematics, I.I.T. B.H.U Varansi U.P. 4. Miss Kiran Gupta, Research Scholar, Deptt. of Physics, GGU Bilaspur C.G.
01:30 PM - 02:30 PM	Lunch
02:30 PM- 04:00 PM	Technical Session – II Chair Person:- Dr. Dheeraj K. Yadav, UTD, Sant Gahira Guru University, Ambikapur (CG) Reporter: - Dr. Kavita Krishnamurty, Deppt. of Zoology, R. G. Govt. P.G. College, Ambikapur (C.G.) Invited Talk:- 1. Dr. Kamal Pandey, Deptt. of Physics, Jai Narayan Post Graduate College Lucknow U.P. 2. Miss Harsha Prasad, Deptt. of Material Science & Engineering, IIT, Kanpur, U.P. 3. Prof. Divyanshi Srivastava, Govt. B.J. Medical College, Pune, Maharastra 4. Prof. Vinod K Dubey .Deptt. of Physics, Govt. Science College, Raipur, C.G. 5. Prof. S. K. Ghosal, Deptt. Of Physics, Govt. Science College, Mungeli, BilaspurrC.G. 2. Shri N. K. Purley, Dept. of Physics, Govt. Science College, Mungeli, BilaspurrC.G. 3. Shri S. K. Gupta, Assit. Prof. ,Deptt. Of Maths, Govt. RMD Girls P.G. College Ambikapur C.G. 4. Smt. Kritika Sinha, Research Scholar, R.G.Govt.P.G.College Ambikapur, CG
04:00PM -	Technical Session – III
5:30PM	 Chair Person:- Dr. Anil Kumar Sinha, Deptt. Of Geography, R.G. Govt. P.G. College, Ambikapur, CG Dr. Rameshwari Banjara, Deptt. Of Chemistry, R.G. Govt. P.G. College, Ambikapur, CG Invited Talk :- 1. Prof. Ajali Oudhia, Deptt. Of Physics, Govt. Science College, Raipur. CG 2. Dr. Neha Sharma, Department of Physics, Govt. Engineering College Ambikapur C.G. 3. Dr. R.K. Bargah, Department of Chemistry,Govt. SPM College, Sitapur, CG. 4. Prof. M. Z. Khan , Prof. Deptt. of Physics, C V Raman University, Bilaspur, C.G. 5. Prof. A. K. Srivastava , Prof. Deptt. of Physics, C V Raman University, Bilaspur, C.G. 6. Prof. Rajesh K Srivastava, Principal, SSBAM Ambikapur C.G 2. Miss Priti, Asstt. Prof. SSBAM Ambikapur C.G 3. Miss Diksha Neha Toppo, Asstt. Prof. SSBAM Ambikapur C.G 4. Shri B. R. Chauhan, Asstt. Prof. Deptt. Of Physics, Govt. SPM College, Sitapur, CG 5. Shri Dindayal Dubey, Research Scholar, K.S. Saket PG College, Ayodhya, UP.
05:30 PM- 06:30	

PM

	Cultural Programme					
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00000	International Conference on New Emerging Dimension in					
	Science,					
	Technology and Management					
	12-13 March 2024					
	Organised by					
De	epartment of Physics, Rajeev Gandhi Govt. P.G. College, Ambikapur, CG					
	Day -2: March 13 , 2024					
09:30 - 11:00	Technical Session – IV					
	Chair Person:- Dr. Ritesh Verma, Principal, K.R. Technical College, Ambikapur. CG. Reporter: - Shri S. K. Dewangan, Dept. of Physics, SSBAM Ambikapur C.G					
	Invited Talk:- 1. Dr. Dheeraj Singh Chauhan, Deptt. of Physics, King Fahd University, of Petroleum & Minerals, Dehran, Saudi Arabia.					
	 Prof. M. M. Ranga, Ex. Dean, SGGU, Jodhpur, Rajasthan Dr. Dheeraj K Yadav., Deptt. Of Farm Forestry, UTD, Sant gahira Guru University, Ambikapur. CG 					
	4. Dr. A. K. Pandey, Dept. of Physics, K.S. Saket PG College, Ayodhya, UP. 5. Dr. Ashish Banjara, Deptt. Of Chemistry, GGU, Bilaspur, CG					
	6. Dr. Sushil K Kashyap, Principal, SAG Science College, Ambiakpur, CG.					
	Paper Presenter:- 1. Dr. Rameshwari Banjara, Asstt. Prof., Deptt. Of Chemistry, R.G. Govt. P.G. College, Ambikapur, CG					
	2. Shri Ankit Kumar Sharma, Research Scholar, K.S. Saket PG College, Ayodhya, UP. 3. Miss Ekta Singh, Asstt. Prof., UV Sanskar Mahavidyalaya, Latori, Surajpur, CG					
	4. Miss Harleen Babra, Research Scholar, R.G. Govt. P.G. College, Ambikapur, CG					
	 Dr. kavita Krishnamurti, Asstt. Prof., Deptt. Of Zoology, R.G. Govt. P.G. College, Ambikapur, CG Miss. Monika Xess, Asstt. Prof., Deptt. Of Computer Science, R.G. Govt. P.G. College, Ambikapur, 					
	CG					
11:00-12:30	Technical Session – V					
	Chair Person:-Prof. Rajesh K Srivastava, Principal, SSBAM Ambikapur C.GReporter:-Dr. Sushil K Kashyap, Principal, SAG Science College, Ambiakpur, CG.					
	Invited Talk:- 1. Prof. Shashank Tripathi, Deptt. Of Management Studies, National University, Singapore					
	 Dr. Sadiya Afrin, Bangladesh university of Science & Technology, Dhaka, Bangladesh Dr. Dakeshwar Verma, Deptt. Of Chemistry, Govt. PG College, Rajnandgaon, CG 					
	4. Shri S. K. Dewangan, Dept. of Physics, SSBAM Ambikapur C.G 5. Dr. Ritesh Verma, Principal, K.R. Technical College, Ambikapur. CG.					
	 6. Dr. H.S. P. Tonde, Deptt. Of Computer Science, UTD, Sant Gahira Guru University, Ambikapur, CG. 					
	Paper Presenter: - 1.Dr. Rajesh K sahu, Associate Prof., VEC Ambikapur, CG					
	2. Miss Prachi Tiwari, Research Scholar, CV raman University, Kota, Bilaspur, CG 3. Shri Rajesh Prajapati, Research Scholar, UV Sanskar Mahavidyalaya, Latori, Surajpur, CG					
	 Ku Sanu Kushwaha, Asstt. Prof., UV Sanskar Mahavidyalaya, Latori, Surajpur, CG Shri Pankaj Yadav, Asstt. Prof., Deptt. Of Maths,, R.G. Govt. P.G. College, Ambikapur, CG 					
12:30 - 02:00	Technical Session – VI					
	Chair Person:- Dr. S. N. Pandey, Deptt. Of English, R.G. Govt. P.G. College, Ambikapur, CG Reporter: - Dr. Tripti Biswas, Deptt. Of Psychology, R.G. Govt. P.G. College, Ambikapur, CG					
	Keporter, - Dr. Titpu Diswas, Depu. Of Esychology, K.G. Govi. F.G. Conege, Antoikaput, CO					

	 Invited Talk:- 1. Dr. Priyanath Mal, Gwanju University of Science & Technology, South Korea 2. Dr. Bhupendra Kumar, Debrie Tabor University, Ethiopia 3. Prof. R.N. Khare, Principal, Govt. (VEC) Engineering College, Ambikapur (CG) 4. Dr. Richa Tripathi , College of Technology, Jerusalem, Israel 5. Dr. B.P. Tiwari, Principal, Sarswati PG College, Ambikapur, CG 6. Dr. A. K. Dwivedi, Deptt. Of Computer Science, Govt. VBSD Girls College, jashpur, CG Paper Presenter:- 1. Shri. Shashwat Shukla, , Research Scholar, K.S. Saket PG College, Ambikapur, CG 2. Shri.Sanju Patel, , Research Scholar, R.G. Govt. P.G. College, Ambikapur, CG 3. Smt. Pooja Mishra, Research Scholar, R.G. Govt. P.G. College, Ambikapur, CG 				
	 4. Shri. Folja Misha, Research Scholar, R.G. Govt. P.G. College, Ambikapur, CG 5. Shri Shishir Dwivedi, , Research Scholar, R.G. Govt. P.G. College, Ambikapur, CG 6. Smt. Kusum Yadav, , Research Scholar, R.G. Govt. P.G. College, Ambikapur, CG 7. Smt. Kanchan Sahu, , Asstt. Prof., Deptt, of Chemistry, SSBAM Ambikapur, CG 8. Shri Govind Prasad, , Research Scholar, R.G. Govt. P.G. College, Ambikapur, CG 				
02:00 - 03:00	Lunch				
03:00 - 04:00	Poster Presentation Award Session				
	Chair Person: - 1. Dr. B.P. Tiwari, Principal, Sarswati PG College, Ambikapur, CG (Session-I)				
	2. Dr. R. P. Singh, Deptt. Of English, R.G. Govt. P.G. College, Ambikapur, CG (Session-II)				
	Valuator: - 1. Dr. Alok Chakrawarti, Deptt. Of mathematics, Holycross Women's College, Ambikapur, CG				
	2. Dr. Neha Sharma, Department of Physics, Govt. Engineering College Ambikapur C.G.				
	3. Dr. Sangeeta pandey, Deptt. Of mathematics, R.G. Govt. P.G. College, Ambikapur, CG				
	4. Smt. Rashmit Kaur, Deptt. Of Commerce, R.G. Govt. P.G. College, Ambikapur, CG				
03:00 - 04:00	Young Scientist Award Session				
	Chair Person: - 1. Prof. R.N. Khare, Principal, Govt. (VEC) Engineering College, Ambikapur (CG)				
	Valuator: - 1. Dr. Sushil K Kashyap, Principal, SAG Science College, Ambiakpur, CG.				
	2. Dr. Kavita Krishnamurty, Deppt. of Zoology, R. G. Govt. P.G. College, Ambikapur (C.G.)				
	3. Dr. Rameshwari Banjara, Deptt. Of Chemistry, R.G. Govt. P.G. College, Ambikapur, CG				
04:00 - 05:30	4. Dr. Tripti Biswas, Deptt. Of Psychology, R.G. Govt. P.G. College, Ambikapur, CG Valedictory Session				
04:00 - 05:30	Valedictory Nession				

Speaker's name and affiliation

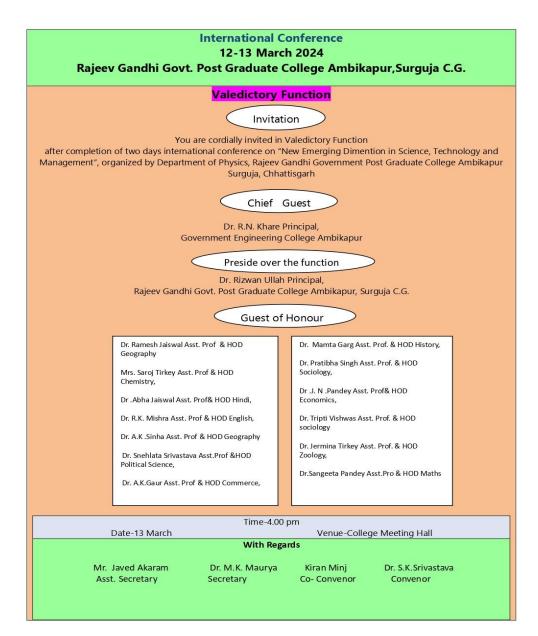
International Speakers

S.No.	Photo	Name of Resource Persons/ Invited Speakers
1.		Dr. S. K. Ghoshal University Teknologi Malaysia
2.		Dr. R. Palai University of Puerto-rico San-Juan, USA

3.		D. Die stander Konnen
3.		Dr. Bhupendra Kumar Debre Tabor University, Ethoipa
4.	-	Dr. Dheeraj Chouhan
		King Fahn University of Petroluem and Minerals Dehran Saudi Arebia
5.		Dr. Sadiya Afrin
		Bangladesh University of Engineering and Technology
		Dhaka Bangladesh
6.		Dr. Richa Tripathi
		College of Technology Jerusalem, Israel
7.		Dr. Priyanath Mal
		Gwangju University of Science and Technology South Koria
8.		Dr. Shashank Tripathi
		National University of, Singpore, Singapore
		National Speakers
S.NO	NAME OF	ADDRESS
•	RESOURCE PERSON	
1.	Prof. P.K.	Jai Prakash University Chhapra Bihar
	Bajpayee, Vice Chancellor	
2.	Prof. S.N. Shukla, Vice Chancellor	Pt. Ravi Shankar Shukla University Raipur
	1	1

3.	Prof. Sanjay Tiwari, Vice Chancellor	Bhoj University Bhopal, M.P
4.	Prof. R.N.Khare	Principal, Govt Engg.College Ambikapur
5.	Prof . M.M. Ranga	Ex-Dean SGGU, Jodhpur, Rajasthan
6.	Prof. H. S. Tiwari	Dean, G.G.U Central University Bilaspur
7.	Prof. Jai Singh	G.G.U Central University Bilaspur
8.	Prof. S. K. Pandey	Head, Math Dep I.I.T B.H.U. Varanasi U.P
9.	Prof. Akhilesh Kumar Singh	Coordinator SMST I.I.T B.H.U. Varanasi U.P
10.	Prof. Manoranjan Singh	Head, Dept of Mathematics, Bodhgaya , Bihar
11.	Prof. Rajesh Srivastava	Principal, SSBAM, Ambikapur
12.	Prof. A.K. Srivastava	Dean, C V Raman University Bilaspur C.G.
13.	Prof. Vinod Dubey	Science College Raipur Chhattisgarh
14.	Prof. B.K. Sinha	CEC College Bhopal, Madhya Pradesh
15.	Dr. Ashish Banjara	GGU Bilaspur Chhattisgarh
16.	Dr. Neha Sharma	Govt Engg.College Ambikapur
17.	Dr. Kamal Kishore Pandey	J.N.Post Graduate College Lucknow ,U.P.
18.	Dr. Divyanshi Srivastava	Govt B.J.Medical Collewge Pune, M.H.
19.	Dr. A.K. Pandey	K.S.Saket Post Graduate College Ayodhya U.P.
20.	Ms. Harsha Prasaad	Dept of Material Science I.I.T. Kanpur U.P.
21.	Dr. Kushmanjali Deshmuks	Govt Science College Durg Chhattisgarh

22.	Dr. Rajesh Vishwakarma	J.P.University Guna, Madhya Pradesh
23.	Dr. Dhiraj Yadav	Dept of Farm Forestry UTD SGGU Ambikapur
24.	Dr, B.P.Tiwari	Principal Saraswati College Ambikapur
25.	Dr. S.K.Kashyap	Principal, Science College Ambikapur C.G.
26.	Dr. Ritesh Verma	Principal, KRTC Ambikapur Chhattisgarh
27.	Dr. Dakeshwar Verma	Govt P.G.College Rajnandgaon Chhattisgarh
28.	Dr. R. K. Bargah	Head, Chemistry Dept SPM College Sitapur
29.	Dr. S. K. Dewangan	SSBAM Ambikapur Chhattisgarh
30.	Dr. A.K.Dewidi	Govt VBSD College Jaspur C.G.
31.	Dr.M.Z.Khan	C V Raman University Bilaspur C.G.
32.	Dr.H.S.P.Tonde	Head, Computer Scien. UTD SGGU Ambikapur







विज्ञान, तकनीकी के सही प्रबंधन से ही स्वदेशी तकनीक करेगा विकास



एसके श्रीवास्तव ने कहा कि विज्ञान तकनीकी के क्षेत्र में प्रबंधन की कमी वे चलते इसका विकास स्वाभाविक गति से नहं हो पा रहा है। प्रो. एसके पांडेय गणित मॉडल पर आधारित विज्ञान, प्रौद्योगिकी प्रबंधन प व्याख्यान दिया। प्रो. अखिलेश सिंह, प्रो राजेश श्रीवास्तव सहित अन्य वक्ताओं ने भं कार्यक्रम को संबोधित किया। आभार प्रदर्श-सहसंयोजक किरण मिंज ने किया।

2

भौतिकी विभाग

का अंतरराष्ट्रीय संगोष्ठी

पहुंचे। संगोष्ठी का शुभारंभ गुरू घासीदास केंद्रीय विवि रायपुर के डीन व कुलपति डॉ. एचएस तिवारी के द्वारा मां सरस्वती की छाया चित्र के समश्च दीप प्रज्जवलीत कर किया गया। कार्यक्रम को संबोधित कर मुख्य अतिथि ने कहा कि विज्ञान और तकनीकी के सही प्रबंधन से ही देश स्वदेशी तकनीक में समुचित विकास के पथ पर अग्रसर हो सकेगा। भौतिकी विभाग के विभागाध्यक्ष डॉ.

नवभारत ब्यूरो। अंबिकापुर।

पीजी कॉलेज में भौतिकी विभाग के द्वारा दो दिवसीय अंतरराष्ट्रीय संगोष्ठी का आयोजन किया गया। विज्ञान, तकनीकी, प्रबंधन में उभरते नए आयाम विषय में आयोजित संगोष्ठी में भारत के अलावा युएसए से डॉ. घोषाल, साऊदी अरब से डॉ. धीरज सिंह चौहान, बाग्लादेश से डॉ. सादिया आफरीन, साउथ कोरिया से डॉ. एस पिल्लई, इजराइल से डॉ. रीजा त्रिपाठी, सींगापुर से डॉ. शशांक सेंगर त्रिपाठी सहित आईआईटी, बीएचयू वाराणसी. लखनऊ विश्वविद्यालय, आईआईटी कानपुर, डॉ. बी हर्षा प्रसाद सहित देश और विदेश के 73 वैज्ञानिक, प्राध्यापक, शोधार्थी शामिल हुए। विदेशों से विषय विशेषज्ञों ने ऑनलाइन प्लेटफार्म से शिरकत की। जबकि भारत के कई राज्यों से विद्धान



Activity-2

National Science Day Celebration

06 -28 Febraury 2024

Theme Indigenous Technologies forViksit Bharat

Catalysed and Supported by



Chhattisgarh Council of Science and Technology Raipur C.G. And NCSTC,DST, Govt. Of India,New Delhi



Organised by Department of Physics and Electronics Rajeev Gandhi Government Post Graduate College Ambikapur Sarguja Chhattisgarh

ORGANIZING COMMITTEE

Patron

Dr Rizwan Ullah Principal

Convenor

Dr.S.K.Shrivastava, Prof and Head, Department of Physics

Co-Conveners

Mrs. Saroj Tirkey, HOD Chemistry Dr. Jermina Tirkey, HOD Zoology Dr.Sangeeta Pandey, HOD Mathematics Dr M.K.Maurya Asstt Prof Physics Ms. Monika Xess, HOD Computer Sc Mr Chetan Kumar HOD Comp App Ms Anjuja Kujur Asstt Prof. Botany Mrs Kiran Minz Asstt Prof. Physics

Program Schedule

S. N.	Name of Activity	Date	Conducting Department
1	Science Talk	09/02/2024	Department of Mathematics
2	Science and TechnologyQuiz	12/02/2024	Department of Physics
3	Science Project making competition	15/02/2024	Department ofBotany
4	Science and TechnologyExhibition	17/02/2024	Department ofZoology
5	Screening of Scientific Film	19/02/2024	Department of Com.Science
6	Vigyan Utsav and Science Day Celebration	28/02/2024	Department of Chemistry

Activity No. 1 09/02/2024

Science Talk

Introduction:

Science talk is an instructional discourse practice that capitalizes on this enthusiasm and gives students regular and deliberate opportunities to process their thinking and communicate about what they have seen and done.

Objectives:

Science talk supports Science Learning by (I) Providing opportunities to clarify thoughts, generate conclusions, develop theories and ask new questions (ii) To discuss about science concept, reflect on what they are learning or to be challenged to explore the science concept even further.

About Mathematics Department.

The Department of Mathematics Rajiv Gandhi Govt. P.G. College Ambikapur has conducted this programm. It is one & the oldest department of the college. In this Department PG classes and research faculty is available. The Department is headed by Dr. Sangeeta Pandey.

Topic of science Talk-

The topic of science talk is related to autobiography and Indigenous technology for Viksit Bharat.

- (1) Views of students on Viksit Bharat
- Need and requirement of Indigenous technology for development of tribal youth of Chhattisgarh.

Program Photographs



Conclusion.

The participated students belong to UG and PG Students of RGPG college Ambikapur. This activity provides the students a plate form to discuss about recent technology for Indigenous Technology for Viksit Bharat. The discussion will made keeping the following points in view

- 1. Contribution of Indian Scientist in respect of Vikshit Bharat
- 2. Technology adopted for vikshit bharat
- 3. How to express our idea for vikshit bhart
- 4. Indigenous technology

Activities No 2

Date 12/02/2024

Science and Technology Quiz

Introduction-

A quiz refers to a short test of knowledge typically around objective questions with questions formats often including multiple choice, fill in the blanks, true or false and short Answer. - A quiz is much Shorter Than a traditional test or exam and is impactful on a final Course grade.

objectives.

The objectives of this activity to popularize about Indigenous technology for Viksit Bharat and its future perspectives. The main objectives of this program is to check the knowledge of students about recent technology and how they identify this for Viksit Bharat.

About Department

Department & Physics and electronics is one the oldest department & College. The department have conducted both UG and PG programme and Ph.D research Centre for research activity. Many Students have completed research is this department.

Pattern of Quiz

The questions based on Indigenous technology and recent technology used in present scenario and is future aspects.

The Students are divided in three groups A, B and C. The question asked in these groups and displayed to other groups if not answered. There were 5 rounds and each round contained 2 questions for each team. Each question carried 10 points and time was 30 second.

Program Photographs



Conclusion

Quiz is one of the best tool for students to help with concentration, identify gaps in knowledge, build confidence and help students retain information. What's more - they're fun!

All the UG and PG students of every science department were participated in quiz competition.

All the faculty of science were present in the quiz competition to inspire and motivate students to explore the indigenous technologies for viksit Bharat.

Activity No. 3

Project Making Competition

Introduction:The project competition provides an excellent opportunity to the students to showcase their talent, research orientation and untapped potential. The goal of this competition is to prepare the future generation of engineers not only problem solvers but to be innovative leaders and responsible citizens for viksit Bharat. The student deserves recognition of the amount of hard work done for the project. Project enables students and faculty to transform their learning into knowledge, knowledge into action, action into practice.

Objectives:

The objectives of this activity to stimulate students to work on project based on indigenous technologies for viksit Bharat and to understand best practices and demonstration of diverse project, new innovations, etc. The essential *goal* of running student *project* competitions is helping students validate their skills and knowledge.

About Department

Project Ming competition will be organized by the Department of Botany Rajiv Gandu govt P.G.College Ambkipur. It is one of the oldest department of the college. This department having research Centre for research work and documentation of medicinal plants.

Judging criteria for project making competition

There were three criteria for judgment :

- 1.Creativity
- 2. Scientific Thought
- 3. Presentation and clarityPhotographs:



Conclusion

In conclusion, the project making competition was a great experience because it was different from things we typically do. It was interesting to see how some of our students made projects based on indigenous technology. It really made us focus and be more time-orientated when it came to the indigenous technology for viksit Bharat. Students of all the science streams were participated in this competition.

Actitivity No -4

Science Exhibition

Introduction

A science exhibition is a wonderful tool that engages students in learning new facts. It develops in them the curiosity to learn more and more. It provides a platform for the students to use their scientific knowledge and bring the best invention from their brains. It also allows students to work together in groups and learn from each other. They share their ideas and collectively galvanize those ideas to bring something innovative into implementation. This further allows the students to develop their social and moral skills and make them a better team player.

Objectives

The main purpose of these exhibitions is to educate and engage students and individuals by showcasing and explaining concepts, discoveries, innovations, and experiments. They aim to enhance people's understanding of the world and the scientific method while sparking curiosity and promoting science literacy. The main purpose is to *provide the opportunity to the students to showcase their creative ideas so that* their creativity can be nurtured well.

About Zoology Department

The department of Zoology has conducted science exhibition at Rajeev Gandhi Govt Post Graduate college Ambikapur. Head of the department is Dr. Jermina Tirkey. Post graduate classes and research centre are available in this department.

Photographs:



Conclusion:

Science exhibition held at Rajeev Gandhi Govt. Post Graduate College Ambikapur.It was conducted by Department of Zoology. Students of all science streams were participated in the exhibition which *increased students' curiosity, encouraging hands-on learning and cultivating interest* in science. The primary purpose of the exhibition is to showcase the scientific knowledge and creativity of the students. The exhibition provided an opportunity for students to display their scientific projects, experiments, and models based on indigenous technology for Viksit Bharat.

Actitivity No -4

Screening of ScientificFilm

Date: 19/02/2024

Conducted by: Department of Computer Science

Introduction:

As a part of the month long celebration of National Science Day 2024, Film Screening on "Ramanujan" was conducted today highlighting the contribution of Indian scientists and the glorious history of Indian Institute of Science, Bengaluru.. It is conducted by Department of Computer Science and Computer Application of Rajeev Gandhi Govt PG college Ambikapur.

Objectives

Films are visually and viscerally appealing. They enable their viewers to engage with and understand stories with both their minds and hearts. films revolving around scientific themes have the potential to introduce scientific ideas to new audiences and even boost the interests of present scientists and other scientifically-inclined people. A scientific film can stimulate comprehensive discussions of science itself as it reaches a wide-range of audiences. Thus, film is an effective platform of communicating science.

About Computer Science Department

The department of Computer Scienceand Computer Application have conducted Film Screening on "Ramanujan" at Rajeev Gandhi Govt Post Graduate college Ambikapur. Head of the Computer Science department is Miss Monica Xess and Head of the Computer Application is Mr. Chetan Painkra . Post graduate classes and research centre are available in this department.

Photographs:





Conclusion:

In conclusion, the Screening of scientific film is an excellent medium for science communication, and much of its potential has yet to be mined. In this activity, Film Ramanujan has shown where life of Indian scientist and his contributions through the entire life has been focused. The film was left its broad impact whoever was present in this activity.

Actitivity No -5

Activity- Vigyan Utsav

Date - 28/02/2024

National Science day is celebrated on the theme indigenous technology for viksit Bharat. This day was conducted by department of Chemistry, Rajeev Gandhi Govt Post Graduate College Ambikapur. Chief Guest of this program was Dr. Sushil Kashyap, Principal Govt Science College Ambikapur and guest of

honour was Dr. Dheeraj Ku Yadav, HOD Farm Forestry UTD Sant Gahira Guru university Surguja Ambikapur. Welcome note was given by Saroj Tirkey HOD Department of Chemistry.

Dr. Dheeraj Ku Yadav, HOD Farm Forestry UTD Sant Gahira Guru university Surguja Ambikapur presented his lecture on the theme indigenous technology for viksit Bharat. He focused on ISRO and Online banking and UPI.

Dr. Sushil Kashyap, Principal Govt Science College Ambikapur focused onSir CV Raman and his invention of Raman Effect.

At last Dr. S.K. Srivastava Convenor and HOD department of Physics, concluded with ancient science in India which are used in modern science and technology.

Conclusion:

At the end of the program all the certificates and medals were distributed for all the students participated in various activities conducted in science day celebration from 6th-28th February 2024.

PHOTOGRAPHS OF SCIENCE DAY



Activity-3

National Webinar (8 June 2020-online mode)

Total number of participants : 26

Resource Person: 09

Chief Guest: Hon Sri T. S. Singh Dev

Kindly join the webinar on "Scientific Treatment of Covid 19 and its impact on Environment" using the following link on this monday (8 June 2020) @ 11am onward.

Meeting URL: https://meet.google.com/vay-kqah-azf

Prof. S.K. Srivastava,

Department of Physics,

Govt. P G College Ambikapur

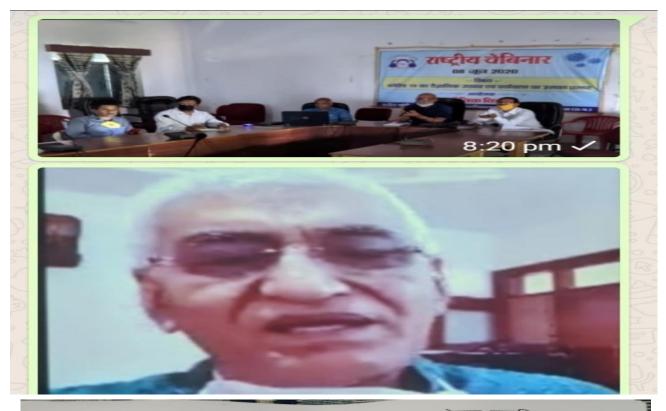
Contact Number : 9424252379

पीजी कॉलेज में वेबीनार का आयोजन

June 09, 2020 • मुख्य सम्पादक शिवेश्वर दत्त पाण्डेय , सम्पादक सुबाि चन्द्र पाण्डेय ,

समन्वय सम्पादक शबमलेन्दु भूषण पाण्डेय सम्पादक शबहार मीर िाहनवाज

सोिल शिस्टेंशसिंग व प्रशिरोधक क्षमिा से बचाव सिंभव: टी. एस. शसिंह देव, स्वास्थ्य मिंत्री, छत्तीसगढ़



प्रति.

डॉ. आर.पी. मिश्रा, प्राध्यापक, बायो साईस विभाग, रानी दुर्गावत्ती विश्वविद्यालय, जबलपुर, म.प्र.

विषय :--

आमंत्रित व्याख्यान हेतु आमंत्रण। ___00-

महोदय,

महादय, विषयान्तर्गत निवेदन है कि भीतिकी विभाग द्वारा दिनांक 08.06.2020 को 'कोविड—19 के वैज्ञानिक उपचार एवं पर्यावरण पर इसका प्रभाव' विषय पर राष्ट्रीय वेबिनार का आयोजन कर रहा है। इस वेबिनार में संस्था परिवार आपको निम्न विषय पर व्याख्यान देने हेतु आमंत्रित करते हुए प्रसन्नता का अनुमव कर रहा है।

Name of Topic- Microbiological Facts and Prevention of COVID-19 Date – 08.06.2020, Time – 12.00 to 01.00 pm

(डॉ. एस.क. श्रीवास्तव) संयोजक एवं विभागाध्यक्ष

(डॉ. एस.के. त्रिपाठी) प्राचार्य रा.गां.शास. स्नातकोत्तर महाविद्यालय अम्बिकापुर, जिला--सरगुजा

Rajeev Gand	hi Government I	Post Grad	luate College A	mbikapur C
	NATIONA	L WE ne 2020	BINAR	Invitat
	CHIEF	GUEST		
Cal	Shri T.S.Si binet Minister, Health and Faimly W	i ngh Deo Ji 'elfare Govt of Chha	ttisgarh Raipur C.G.	
	EMINEN	T SPEAKER		
Prof.(Dr) R.P.Mishra Professor and Head Department of Chemistry a Farmaceutical Science Rani Durgawati University J	Pt J.N.M. Medical C	г	Prof.(Dr) M.M.Ranga Retd Professor Environmental Science Ajmer Rajasthan	Dr. Direndra Tiwari Medical Officer Sai Medical Hospital Bilaspur C.G.
Dr. P.K.Singh	Dr. D. Kumar		ORGANIZER	
Head, Dept of Botany Govt VBSD Girls College Jaspur C.G	Professor Dept of Ceramic Engg I.I.T. B.H.U.Varansi U.P	Dr. S.K.Sriva Convener Professor and I	Head	Dr. S.K.Tripathi Patron Principal
Time 11 A.M - 5.00 P.M.	Day Monday	Dept of Physic RG Govt PG C Ambikapur C.0	College	RG Govt PG Colleg Ambikapur C.G.
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List of speaker

Dr T. S. Baba Minister Govt Of CG Dr Smt Hansa banzara Head Dept of Medicine J N M Medical College Raipur Dr R P Mishra Professo r and Head Dept of Bioscien ce R D University Jabalpur M P Dr Divyanshi

Srivastava Dept of Surgery Govt CCM Medical College Durg C.G.

Dr Anuj Diewidi ept of Computer science

Govt VBSD Girls College Jaspur CG

Dr Direndra Tiwari Homeopathic Consultant Sarguja Division Govt Medical College Ambikapur Sarguja CG

Prof. M M Ranga Dept of Bioscienc e Jai Narain Vyas University Jodhpur Rajasthan

Dr Umesh Pandey

Dept of Computer Science

Govt RGPG College Ambikapur Sarguja CG

Activity-4

Peer teaching and other Activity







Film

Head of Physics Deptt. Govt Postgraduate College Ambikapur, C. G.