

Govt. Nagarjuna P.G. College of Science, Raipur (C.G.) Raipur-492010

Department of Chemistry

GUEST LECTURER SERIES

GUEST LECTURE REPORT 1

Context- Lecture on topic “Nano-enzymes”

Aim- To enhance knowledge about nanoscience

Activity- Guest Lecture was conducted by the department of Dept of Chemistry, Govt. Nagarjuna P.G. College of Science, Raipur on dated 08-02-2023 from 10.30 am to 12.30 pm. Chief guest Prof. Manmohan Satnami, Associate Professor, SOS in Chemistry, Pt. Ravishankar Shukla University Raipur has delivered. He explained the basics of nano-enzymes, its Production, Importance and Application in various synthetic organic and biological processes. He also discussed about the possibilities and reach abilities of research and development in the field of Nano-enzyme. Students felt that the session was more informative and interactive. At the end of lecture, two students gave their feedback, and explained how they were benefited.

Outcome- It enhanced the knowledge of student about nano-enzyme and created the interest of research in the field of same.

Beneficiaries- Total of around 50 students and staff participated in this programme.



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GUEST LECTURE REPORT 2

Context- lecture on topic ““Application of NMR in Chemical and Biological Processes”

Aim- To enhance knowledge about NMR and its application.

Activity- Guest Lecture was conducted by the department of Chemistry, Govt. Nagarjuna P.G. College of Science, Raipur on dated 22-02-2023 from 2.30 to 3.30 pm in E-class Room. Chief guest was Dr. Rajendra Singh Thakur, Scientist E-2, Central Salt and Marine Research Institute CSMCRI, Bhavanagar, Gujarat. Dr Thakur introduced Basics of Solid-State NMR techniques and its application for various plant marine algae and in determination of structural and functional behaviour. Later, He discussed about Ayurvedic Drug Formulation Techniques and Quality control by using NMR. He explained future possibilities, outcomes reach abilities of research and development in this field. After the lecture the students were interacted with him. Students felt that session was more informative and interactive. At the end students gave their feedback, and explained how they were benefited.

Outcome- It enhanced the knowledge of student about Basics of Solid-State NMR techniques and its application. Promoted their interest in field of research.

Beneficiaries- Total around 100 M.Sc. students and Research Scholar of Chemistry, Botany, Biochemistry and biotechnology along with 15 faculty and staff members were participated.



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GUEST LECTURE REPORT 3

Context- lecture on topic “**Organic Reaction Mechanism**”

Aim- To enhance knowledge about basics of Organic Reaction Mechanism.

Activity- Dr. Manisha Mishra, Head, Dept. of Chemistry, Govt. Autonomous D.B. Girls P.G. College Raipur C.G. was invited for Guest Lecture, organized by the department of Chemistry, Govt. Nagarjuna P.G. College of Science, Raipur on dated 08/02/2023. She delivered a lecture on Organic Reaction Mechanism. Firstly, she discussed Basics of Organic Reaction Mechanism, types of reactions mechanism and its importance to understand various synthetic organic reactions. Later on, application of organic reaction mechanism to design modern drug.

Outcome- It enhanced the knowledge of student about basics of organic chemistry and advance organic chemistry. The concept behind topic may be useful in various competitive examination.

Beneficiaries- lecture was very interactive about 60 students have participated.



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GUEST LECTURE REPORT 4

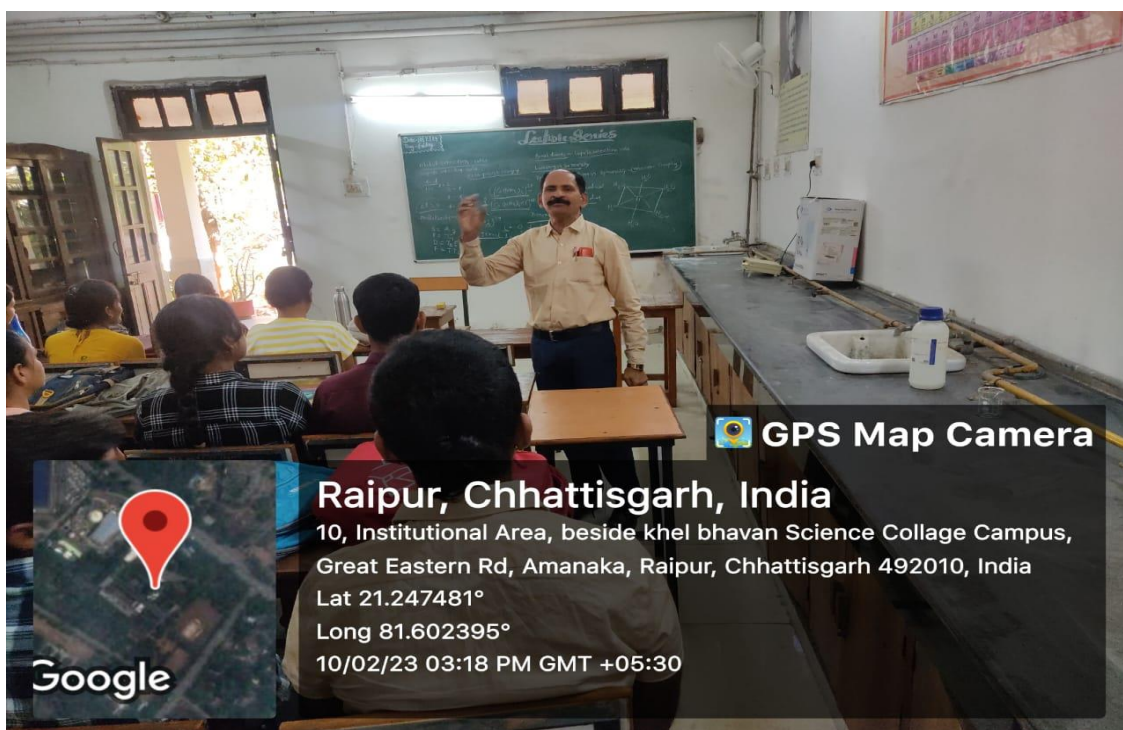
Context- lecture on topic “Spectroscopy”

Aim- To enhance knowledge about basics of Organic Reaction Mechanism.

Activity- Invited guest Lecture of Prof. K.K. Tiwari was conducted by the department of Chemistry, Govt. Nagarjuna P.G. College of Science, Raipur on dated 10-02-2023.. He has delivered a lecture on “Spectroscopy” for M.Sc. Chemistry students. He has discussed about how various modern spectroscopic techniques are cost effective and helps us to achieve modern goals related to medical science and environment.

Outcome- It enhanced the knowledge of students about basics of spectroscopy and gave a valuable theoretical introduction and an overview of modern topics in spectroscopy

Beneficiaries- The session was informative and knowledge enhancing, about 60 students have participated in it.



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GUEST LECTURE REPORT 5

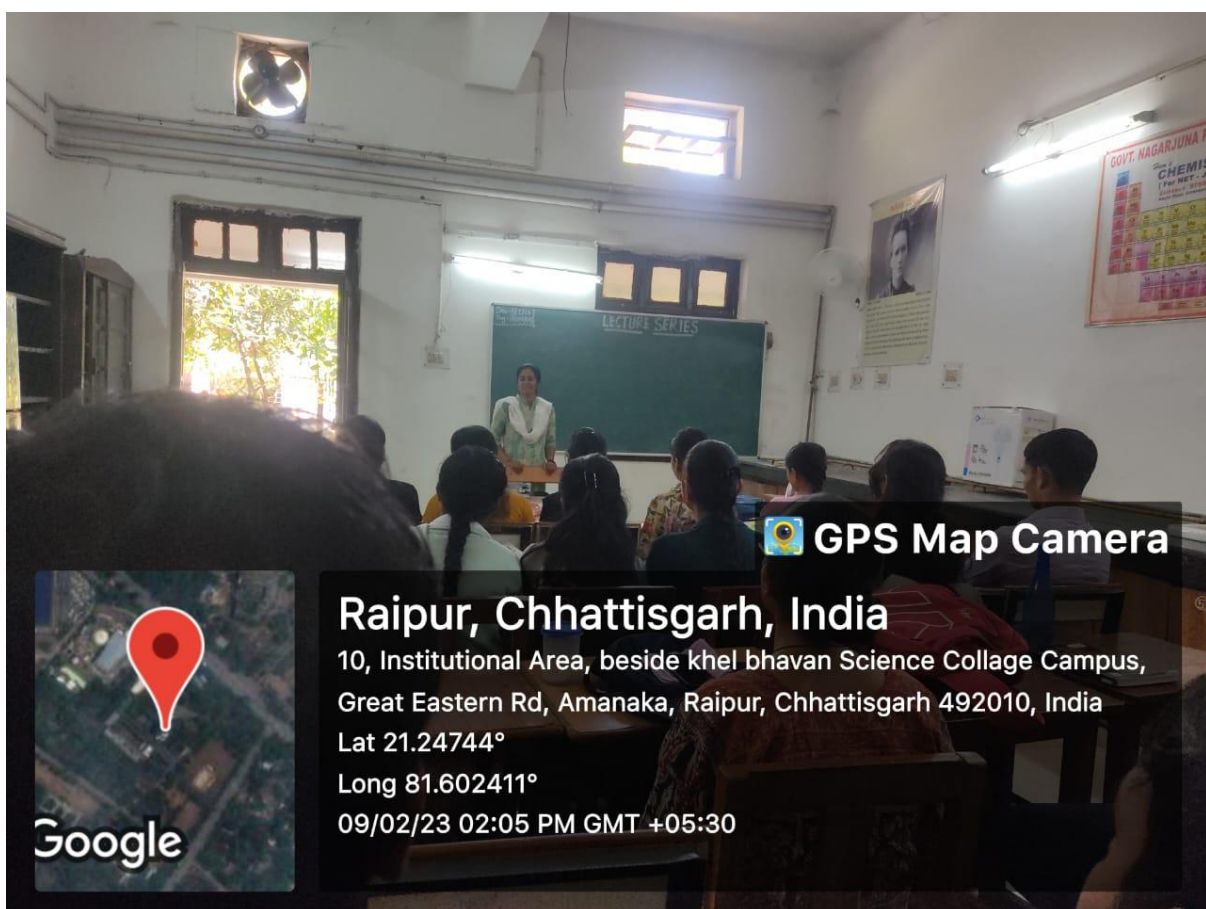
Context- lecture on topic “Analytical tools and techniques”

Aim- To enhance knowledge about analytical chemistry

Activity- Dr Anuradha Chowdhary, Asst. Professor, Dept. of Chemistry, Govt. J. Yoganadam P.G. College Raipur C.G. was invited for Guest Lecture organized by the department of Chemistry, Govt. Nagarjuna P.G. College of Science, Raipur on dated 09/02/2023. She delivered a lecture on topic “Analytical tools and techniques” for M.Sc. Chemistry students on dated 09/02/2023. Firstly, she introduced the basics of analytical tools, techniques and instrumentation. later on discussed about their application in research and development activity.

Outcome- It provided for access to information for research and evaluation purpose. Useful for further Studies of students and research purposes.

Beneficiaries- About 60 students have participated in this.



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GUEST LECTURE REPORT 6

Context- Lecture on topic “Natural Products”

Aim- To enhance knowledge about natural products and their use

Activity- Dr Hemlata Sahu, Asst. Professor, Dept. of Chemistry, Govt. Autonomous D.B. Girls P.G. College Raipur C.G. was invited for Guest Lecture organized by the department of Dept of Chemistry, Govt. Nagarjuna P.G. College of Science, Raipur on dated 14/02/2023. She delivered a lecture on topic “Natural Products”. Dr. Anuradha, explained about natural product types alkaloids, terpenoids, flavonoids and their natural occurrence. Later on discussed about importance of natural products and balance diet. Further she discussed natural product are rich source of antioxidants and plays major role to protect us from various life style diseases and ageing. Students got knowledge as many of natural product possess curative properties and are of great values in medicines as a lead compound for drug discoveries

Outcome- Students got knowledge about natural product, it enhanced the research interest of student towards natural products.

Beneficiaries- About 60 students have participated in this programme.



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WEBINAR ON CAREER COUNSELLING

Context- Webinar entitled "Strategies to Crack Competitive Examination After Graduation and Post Graduation

Aim- To provide knowledge about different Strategies to crack Competitive Examination

Activity- An online webinar entitled "Strategies to Crack Competitive Examination After Graduation and Post Graduation was conducted on June 29, 2023 online mode in collaboration with Institute for Advance Studies, Pune (IFAS, Pune). In webinar expert from IFAS, Mr Shubham Mallik Asstt Professor gave lots of information for making career in the different subjects like Chemistry, Zoology, Botany, Physics, Life science, Mathematics, etc for graduate and post graduate students.

Outcome- Webinar will be helpful for students to make plan for study practices and successful attempt.

Beneficiaries- About 200+ number of students attended such a valuable webinar.

Affiliated to Pt. Ravishankar Shukla University Raipur
Government Nagarjuna Post Graduate College of Science,
G.E. Road, Amaanaka, Raipur, Chhattisgarh, India 492 001

Organized One Day Webinar on The Topic
**Strategies to Crack Competitive Exams
after Graduation & Post-Graduation**
By Department of Chemistry
In Association with
Institute for Advanced Studies, Pune

Resource Person


Mr. Shubham Malik
Assistant Professor, Physics

Organizing Committee

Patron Dr. P. C. Choubbe Principal	Chairperson Dr. S. K. Patle Professor Chemistry	Cordinator Dr. Sanjay Ghosh Asst. Professor Chemistry	Convener Dr. Vinod Jena Asst. Professor Chemistry
Dr. Pallavi Sinha Asst. Professor Chemistry	Mrs. Deepali Rajwade Asst. Professor Biotechnology	Mrs. Mitisha Baid Asst. Professor Chemistry	
Dr. Mithilesh K. Gupta Asst. Professor Chemistry	Miss Renuka Sinha Asst. Professor Botany	Mr. Dilip Padam Asst. Professor, Biochemistry	Mrs. Rashmi Priya Toppo Asst. Professor Physics

29th JUNE, 2023 | 12:00PM | PLATFORM: GOOGLE MEET

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EASSAY COMPETITION ON “CHEMISTRY IN OUR DAILY LIFE”

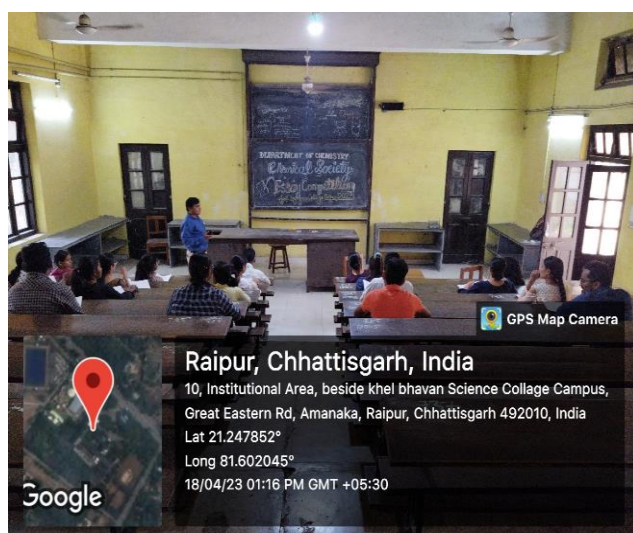
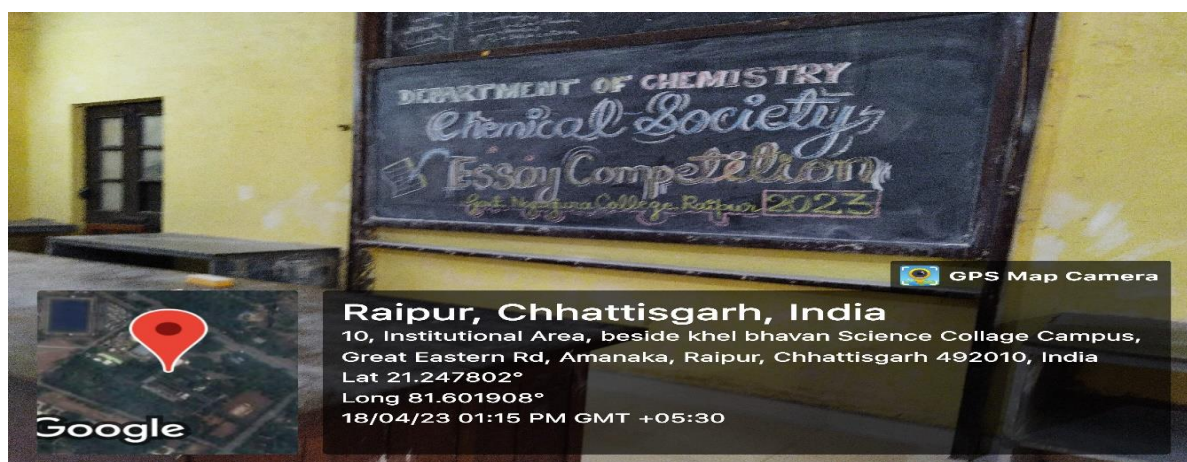
Context- Essay Competition on “Chemistry in our Daily Life”

Aim- To understand the importance and various aspects of chemistry in our regular life.

Activity- Under the departmental chemical society, essay competition on “chemistry in our daily life” was organized on dated 18 April 2023. Students of Msc. IInd and IVth semester were participated in essay competition organized by departmental chemical society they gave their opinion regarding importance of chemistry in daily life.

Outcome - We human beings are knowingly or unknowingly surrounded by chemistry, from morning to evening, from life to death so this activity will enhance knowledge of chemistry, which will be helpful to live a better life and better doing.

Beneficiaries – 33 Students of Msc. IInd and Msc. IVth semester were participated.



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CAREER GUIDANCE SEMINAR

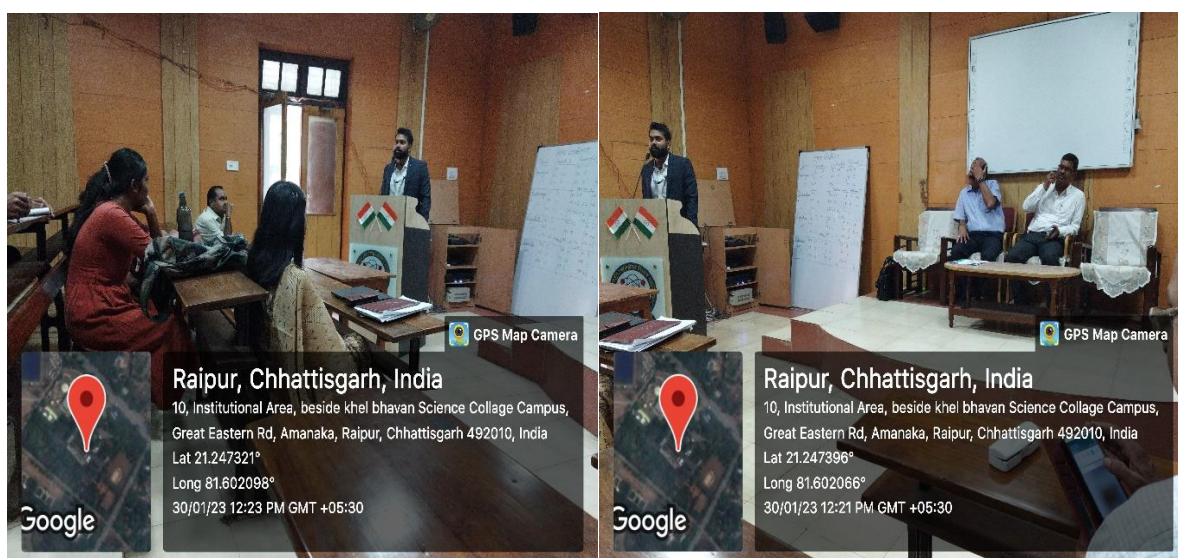
Context- Career guidance seminar on “why Skill is important on digital platform for your future”

Aim- To help students to achieve their desired target in software development and digital marketing.

Activity- Career guidance seminar on “why Skill is important on digital platform for your future” was organized by department of chemistry Govt. Nagarjuna P.G. college of Science Raipur C.G. on dated 30-01-2023 at E-Classroom. The session was headed by renowned career counsellor. His session was very interactive and interesting. He told about different great ideas to the students by which they can achieve desired target in the era of digital technology. He explained “How to future proof your carrier in this Digital era” (carrier in software development and data science, in digital marketing and BFSI domain)

Outcome – It will helpful for student to achieve their dreams more smoothly in field of software development and digital marketing.

Beneficiaries – 68 Msc. students of different streams and faculty of college.



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CLEANING OF COLLEGE CAMPUS

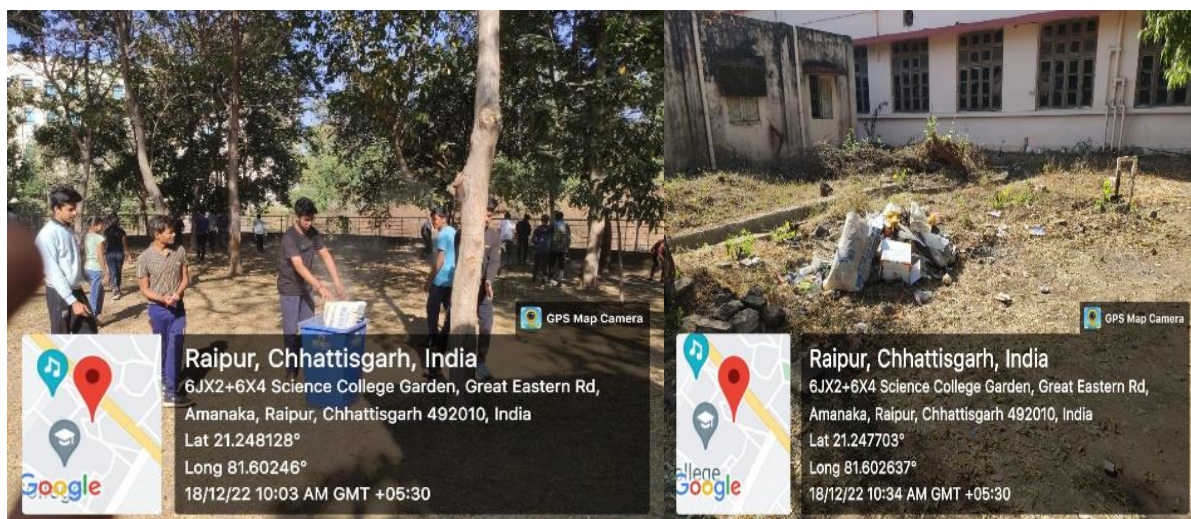
Context- An easy and effective way of making our surrounding regularly cleaned.

Aim- To give clean, fresh, and good look to our surrounding.

Activity- Cleaning activity done by student and staff of chemistry department with volunteers of NSS unit of college on dated 18 December 2022.

Outcome- cleanliness in the surrounding.

Beneficiaries - About 55 persons are there to clean campus and garden.



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SVEEP PROGRAMME UNDER ELECTION COMMISSION OF INDIA

Theme- “कोई मतदाता न छोटे अभियान”

Context- Registration of student for voter Identity card, Speech, and quiz competition.

Aim- Aim of activity under SVEEP program is to educate the electors regarding procedure relating to registration of name in electoral roll and correct of their existing particulars and deletion of name of shifted and deceased family members.

SVEEP activities are also meant to inform about various online, offline facilities available to voters regarding ethical voting.

Through SVEEP election commission of India, aims at strengthening the culture of electoral participation among youth and future voters.

Activity- Under election commission of india and SVEEP programme, theme is “ कोई मतदाता न छोटे अभियान ” “students were promoted to registered their self in electoral roll. Under SVEEP programme various activities as speech, debate, and quiz competition were organized. Speech and quiz competitions were organized on dated 16-11-2022 at college level. Theme for this is “निर्वाचन प्रक्रिया में महिलाओं की स्वतंत्र, सक्रिय, समान भागीदारी एवं लैंगिक समानता”. Selected students were performed in district level intercollege competitions.

District level intercollege speech and election quiz competitions were organized on dated 18-11-2022. The theme was “लोकतंत्र के शक्तिकरण में मीडिया की भूमिका”. Dr. Savita Singh professor English Govt. Nagarjuna P.G. College of Science Raipur, Dr. Girijashankar Gautam Assistant Professor, Hindi Pt. Ravishankar Shukla University Raipur C.G., Dr. Kalpana Mishra Assistant professor Hindi, Govt. D.B. Girls P.G. College were invited as judges. After performance of students, name of winners announced. In speech competition Sumit Dillan from J. Yoganandam college got first prize and Pujari pali from Radha bai Naveen girls college got second prize. Rahul patel from Govt. Badriprasad Lodhi P.G. College Arang got First and Nitish Kumar from Govt. nagarjuna P.G. College of Science Raipur C.G. got second prize in quiz competition. Incentive and certificate were given to winner and all participants.

Further winners of district level intercollege speech and election quiz competitions of different district of Raipur division has taken part in division level interdistrict speech and election quiz

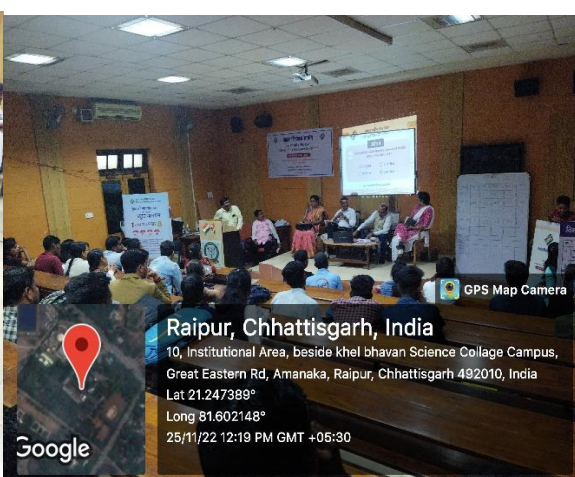
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competitions organized on dated 25-11-2022. Theme of activity was “लोकतंत्र के शसक्तिकरण में मीडिया की भूमिका”. Dr. Girijashankar Gautam Assistant Professor, Hindi Pt. Ravishankar Shukla University Raipur C.G., Dr. Kalpana Mishra Assistant professor Hindi, Govt. D.B. Girls P.G. College were invited for judgement. Dimple Dadsena from mahasamund got first prize in speech and umendra kumar from Govt. Naveen College Chitko mahasamund with varsha Gajendra from Govt. Mahaprabhu Vallabhacharya College Mahasamund got first prize on Quiz competition. Incentive and certificated were given to winner as prize

Outcome- Purpose of the activity is voter awareness and youth involvement in the voting process. It provide platform to engage college student through interesting activities and hands-on experience to sensitize them on their electoral rights and familiarize them with the electoral process of voting.

Beneficiaries- Students and faculty of science college along with some other colleges of Raipur districts, and other districts.



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