



3.2.2 Number of workshops/seminars/Conference conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years (5)

2020-21

S. NO.	Name of the workshop/ seminar/ conference	Number of Participants	Date From – To	Link to the Activity report on the website
1	One Day International Webinar on Pandemic: Crisis Confronting Human Survival	1600	06-08-2020	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
2	Digital Financial Education Awareness Webinar by Bombay Stock Exchange(BSE)	96	09-11-2020	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
3	Online Sanskrit Sambhashn Shivir	99	17/05/2021-21/05/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
4	Young Investors awareness webinar by Bombay Stock Exchange(BSE)	85	11-06-2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
5	Legal Awareness Programme on Free Legal Aid and Services & Family Court	250	17/03/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
6	3rd Annual National Web Conference of Psychological Forum Chhattisgarh on Status and Awareness of Mental Health	100	25/06/2021-26/06/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
7	National Workshop (Online) On Instrumentation	854	05/07/2021-09/07/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
8	Vartaman Paridrishya me Shiksha Dasha Disha evam Chunoitiya	100	12-08-2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
9	Hindi Pakhwada Vichar Sangoshti	100	14/09/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
10	International Web Conference on Emerging fields in Chemistry: Advances and Applications	685	10/08/2021-11/08/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
11	Developing Digital Literacy	100	11-12-2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf

Awarish
प्राचार्य
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राजनन्दगाँव (छ.ग.)

12	The Challenging Relationship Between Contemporary Academia And Intellectual Property Rights (IPR)	40	20/12/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
13	Online Seminar On Well being of women and family post COVID-19	603	06-09-2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
14	Recent Advances in Physics and Space Science	112	14/12/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
15	National Workshop And Mathematics Quiz	252	21/12/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
16	Investor Awareness Program By BSE	60	30/12/2021	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf

Awadhesh
Principal
 प्राचार्य
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**3.2.2 Number of workshops/seminars/Conference conducted on Research Methodology
Intellectual Property Rights (IPR) and entrepreneurship during the last five years (5)**

2019-20

S. NO.	Name of the workshop/ seminar/ conference	Number of Participants	Date From – To	Link to the Activity report on the website
1	National Conference on Recent Advances in Physical Sciences	450	18/11/2019-19/11/2019	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
2	Impact Of Covid- 19 On Physical and Mental Status of Sportsman	275	18/06/2020	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
3	One Day Workshop On Stress Management	95	03-03-2020	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
4	One Day National Conference on New Dimensions of Teaching English in India	180	15/09/2019	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf

Principal

Principal

कामला देवी राठी महिला स्नातकोत्तर महाविद्यालय
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3.2.2 Number of workshops/seminars/Conference conducted on Research Methodology
Intellectual Property Rights (IPR) and entrepreneurship during the last five years (5)

2018-19

S. NO.	Name of the workshop/ seminar/ conference	Number of Participants	Date From – To	Link to the Activity report on the website
1	State level Workshop on Recent Advances in Mathematics and their Applications	189	21/12/2018	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf

Arun Mishra
Principal

शारदा कमला देवी राठी महिला स्नातकोत्तर महाविद्यालय
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3.2.2 Number of workshops/seminars/Conference conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years (5)

2017-18

S. NO.	Name of the workshop/ seminar/ conference	Number of Participants	Date From – To	Link to the Activity report on the website
1	One day workshop on Tools and Techniques in Biology	160	13/09/2017	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
2	Ek Diwasiya academic karyashala - Paryawaran Swachhatta Samasya evam Samadhan	90	21/09/2017	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
3	National Workshop on Cryptography and Network Security	120	5/10/2017-06/10/2017	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
4	One Day State Level Workshop on Teaching Learning & Evolution Methodology	18	22/09/2017	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf

Devi Kishor

Principal

प्र.स.कमला देवी राठी महिला स्नातकोत्तर महाविद्यालय
राजनंदगाँव (छ.ग.)



3.2.2 Number of workshops/seminars/Conference conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years (5)

2016-17

S. NO.	Name of the workshop/ seminar/ conference	Number of Participants	Date From – To	Link to the Activity report on the website
1	One Day Workshop on Promoting Critical Thinking in English Classrooms	50	27/11/2016	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
2	One Day State Level Workshop on Poetry Teaching	40	22/01/2017	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
3	Katthak Nritya Karyashala	40	30/01/2017-06/02/2017	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
4	Computer Training Workshop,	21	05-09-2016	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
5	workshop on career guidance	85	05-12-2016	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf
6	One Day Workshop on Carrier Guidance	200	14/12/2016	http://www.govtkdmcollegerjn.com/Content/195_217_3.2.2.pdf

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Principal

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Annual Report of Seminars/Workshops organized in College 2020-21

In the year 2020-2021 total 16 workshops/ seminars have been organized by the college. "One Day International Webinar on Pandemic: Crisis Confronting Human Survival" was conducted by English department on 6th August 2020. Total 1600 participants learnt about positive and negative impact of Covid.

On 9th November "Digital Financial Education Awareness Webinar by Bombay Stock Exchange (BSE)" titled online webinar was arranged by commerce department of college. 96 students participated in this very useful program. The content of the webinar included mutual funds and types, role of fund manager, difference between FD & RD.

"Legal Awareness Programme on Free Legal Aid and Services & Family Court" seminar has been organized by Women cell for sexual harassment and gender issues and department of sociology of the institute on 17th march 2021. 250 learners participated in this seminar.

A five days "Online Sanskrat Sambhashn Shivir" was organized by sanskrat department from 17th may to 21st may 2021. 99 sanskrat students have joined this shivir and learnt about different methods of spoken sanskrat.

One more webinar was arranged by commerce department on 11th june 2021 named "Young Investors awareness webinar by Bombay Stock Exchange (BSE)". 85 students of commerce subject participated in this webinar. Mr. Jafruddin financial education trainer by NISM and resource person Bombay stock exchange was key note speaker of this webinar.

100 participants were present in "3rd Annual National Web Conference of Psychological Forum Chhattisgarh on Status and Awareness of Mental Health", A webinar conducted by psychology department on 25th and 26th june 2021. Topic of the discussion was awareness about mental health.

Five days online workshop was organized by department of botany associated with IQAC titled "National Workshop (Online) On Instrumentation". Total 854 students learnt about methodology and principles of X-ray in this workshop set from 5th to 9th July 2021.

Dr. Anurag

प्राचार्य

प्रधान कर्मल देवी राठी महिला स्नातकोत्तर महाविद्यालय
राजनंदगाँव (उ.प्र.)



Chemistry department conducted a web conference “International Web Conference on Emerging fields in Chemistry: Advances and Applications” on 10th and 11th august 2021. 685 students gained knowledge about latest fields in chemistry.

Hindi vibhag set a webinar named “Vartaman Paridrishya me Shiksha Dasha Disha evam Chunoitiya” on 10th august 2021. Total number of participants in this webinar was 100. Hindi should be the working language of the offices and other organizations.

“Online Seminar On Well being of women and family post COVID-19”- a webinar by Women & Gender issue cell in association with internal quality assurance cell (IQAC) on 9th june 2021. In this seminar it was emphasized that women should not be tied with social constraints and they should be motivated to develop their personalities. 603 participants attended this program.

One more program was arranged by Hindi department on 14th September 2021 named “Hindi Pakhwada Vichar Sangoshti”.

English department of the institute has conducted a webinar titled “Developing Digital Literacy” on 11th December 2021 for 100 students. Topics covered in this webinar were responsibility of digital consumer and verification of viral news on digital platform.

On 14th December 2021 “Recent Advances in Physics and Space Science” was set by physics department for 112 registered students.

“The Challenging Relationship between Contemporary Academia and Intellectual Property Rights (IPR)”- a webinar was joint venture of geography and English department on 20th December 2021. 40 participants were present in this webinar.

252 students took part in “National Workshop and Mathematics Quiz” organized by mathematics department on 21st December 2021. Students got information about development of modern mathematics.

Commerce department of the college organized a webinar “Investor Awareness Program by BSE” on 30th December 2021. 16 learners participated in this program.

Alondush
Principal
प्राचार्य

12/12/2021
कमला देवी राठी महिला स्नातकोत्तर महाविद्यालय
राजनंदगाँव (च.ग.)



Annual Report of Seminars/Workshops organized in College 2019-20

In the year 2019-20 overall four workshops/seminars were put in order by institute. Department of English has organized a workshop on 15th September 2019. Title of the workshop was "One Day National Conference on New Dimensions of Teaching English in India". 180 learners took part in this conference. Dr Anmol Padwal, Director department of English Education, New Delhi was keynote speaker of this program.

Department of Mathematics, Physics and Chemistry have organized a workshop on 18th and 19th November. Topic of the workshop was "National Conference on Recent Advances in Physical Sciences". 450 students participated in this workshop.

A "One Day Workshop On Stress Management" was assembled on 3rd March 2020 by IQAC and Psychology Forum Chhattisgarh. 95 learners have participated in this wonderful and relatable program.

On 18th June 2020 a workshop was prepared by Sports and Psychology Department titled "Impact of Covid- 19 on Physical and Mental Status of Sportsman". The workshop focused on problems of sportsman during covid.

Aashu Singh
Principal
प्रधानाचार्य
राजनांदगांव (C.G.)



Annual Report of Seminars/Workshops organized in College 2018-19

“State level Workshop on Recent Advances in Mathematics and their Applications” was the only workshop conducted by college in the year 2018-19 on 21st December 2018. Total 189 participants got advantage of this workshop.

Alomath
Principal
श्री. कमला देवी राठी महिला स्नातकोत्तर महाविद्यालय
राजनंदगाँव (ज.ग.)



Annual Report of Seminars/Workshops organized in College 2017-18

Four workshops/ Seminars were conducted in the year 2017-18. Biology department has arranged One day workshop on Tools and Techniques in Biology on 13th September 2017. Total 160 students took benefit of this workshop. They learnt about methods of centrifuged machines and MMR.

“Ek Diwasiya academic karyashala - Paryawaran Swachhatta Samasya evam Samadhan”- A workshop was organized by Political Science Department on 21st September 2017. Total 90 participants were present in this workshop.

One Day State Level Workshop on Teaching Learning& Evolution Methodology was conducted on 22nd September 2017 by Department of English and IQAC. The main objective of the workshop was orientation of teachers about some key concepts of teaching, learning and evaluation.

Alok Mishra
Principal

12/09/2017
प्रधान, कमला देवी राठी महिला स्नातकोत्तर महाविद्यालय
राजनंदगाँव (उ.प्र.)



Annual Report of Seminars/Workshops organized in College 2016-17

In the year 2016-17 institute has organized total 6 Seminars / Workshops. “Workshop on career guidance” was organized on 12th May 2016 with RUSA on the topic “Chhattisgarh Land of Opportunities-Steps of Entrepreneurship success”. 85 participants were present in this workshop.

On 5th September 2016 “3 days Computer Training Workshop” was started by computer department for faculties and other personnel of institute. 21 employees participated in this very useful workshop.

On 27th November “One Day Workshop on Promoting Critical Thinking in English Classrooms” was conducted by English Department. Total 50 students participated in this workshop. The program was organized by Regional English Language Office, American Embassy New Delhi collaboration with AINET and ALT@I Rajnandgaon CG.

Total 200 students participated in “One Day Workshop on Career Guidance” on 14th December 2016. This workshop was also arranged by RUSA.

“One Day State Level Workshop on Poetry Teaching” was arranged by English Department on 22nd January 2017 in collaboration with ELT@I Rajnandgaon Chapter. 40 participants have reported in this workshop.

A one week “Kathak Nritya Karyashala” was organized by music department from 30th January to 6th February 2017. 40 Students learnt different aspects of Kathak during this workshop.

Kamla Devi
Principal

12
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Report Of National Mathematics Day Celebration -2018

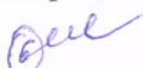
The Mathematics Department of Govt. Kamladevi Rathi Girls P. G. College, Rajnandgaon organized a state level workshop on “**Recent Advances in Mathematics and their Applications**” and state level Mathematical Quiz Competition on the occasion of National Mathematics Day on 21st December 2018. In the inaugural session, chief guest Dr. Sunil Kumar Verma, Advisor, Medical Education, Govt. of Chhattisgarh and Ex. VC Sarguja University, said that children should be imparted primary education in mother languages. They must be taught mathematics especially from primary classes. The topic of his invited talk was “Current Trends of Researches in Mathematics”. He told that Srinivas Ramanujan continuously contemplated on mathematical operations and indivisible numbers. Mathematics of prime numbers is very useful in Information Theory of modern mathematics of 21st century. In her presidential address, Dr. Suman Singh Baghel, Principal, said that National Mathematics Day is organized on 22nd December every year since 2012, which was the birth centenary year of Srinivas Ramanujan. She discussed about Mock Theta function, infinite series etc. being used in new problems of Cosmology.


Special guest of the programme Prof. P. P. Murthy, Guru Ghasidas University Bilaspur, delivered his talk on the topic “What is Mathematics? How do we feel about it?” He explained how mathematics can be used to solve different complex social and economic problems. Dr. B. S. Thakur, professor, Pt. Ravishankar Shukla University, Raipur, delivered talk on “Fractal Geometry” and gave useful information about utility of mathematics in the construction of modern buildings and bridges with the help of Fractal Geometry. Prof. G. K. Goswami of Kalyan College Bhilai, in his talk entitled “Gravitational Waves and Ligo Experiment” discussed about Supernova, Black Holes, Cycle of Planets Gravitation and Ligo Experiment in detail. Dr. Shabnam Khan of Govt. Digvijay P. G. college Rajnandgaon, in her talk on “Ramanujan’s Contribution and Application of Mathematics” highlighted the applications of Ramanujan’s theorems in Chemistry and Physics also. Dr. Purushottam Jha, professor, Govt. D. K. P. G. college, Balodabazar, delivered his talk on the topic “Current Trends in General topology” and explained about the latest uses of General Topology and fixed point theorem. He guided

students about the preparation of NET and SET exams also. Dr. B. P. Tripathi of Nagarjun Science college, Raipur, gave valuable information about making passwords using mathematics and internal security in his talk entitled "Classical Cryptography". Dr. Rakesh Tiwari of Govt. VYT P. G. College, Durg, in his talk entitled "Ramanujan and His Works" explained about the life and researches of Ramanujan. Dr. Asharani Das from Bhilai Mahila Mahavidyalaya, Bhilainagar, gave valuable information on trigonometric functions and functional analysis. Dr. Omkar Lal Shrivastava, programme coordinator, said that the fundamental philosophy of the department is to inculcate not only intellect and creativity among the students through their active engagement in academic and research activities but also to make them realize their extra academic and extracurricular disposition as well, critical for making a productive member of the society. He told that we are thankful to CCOST and NCSTC, DST, New Delhi for sponsoring this programme. Miss. Sonali Iyia conducted the programme. In the end of the programme, Miss. Varsha Verma, proposed vote of thanks. This State level workshop was attended by 144 students, 30 academicians, 10 faculty members, 05 research scholars (Total 189) from the different colleges of the state.

Mathematical Quiz Competition: In state level Mathematical Quiz Competition 144 students from Raipur, Dhamtari, Balod, Durg, Bhilai, Rajnandgaon, Dongargaon etc. participated. In this competition Ku. Seema Sahu, B. sc. III of Bhilai Mahila Mahavidyalaya, Bhilainagar, secured First prize of Rs. 5001, while Manish Sahu and Chandan Sahu, B. sc. II years students of Govt. Digvijay P. G. college, Rajnandgaon, got second prize of Rs. 2001 and third prize of Rs. 1001 respectively. We mentioned in all banners, Invitation Cards, Certificates, Folders, Writing Pads, Mementos – "Catalysed and supported by Chhattisgarh Council of Science and Technology and National Council for Science and Technology Communication (NCSTC), DST, Govt. of India, New Delhi"

Impact and Follow up activities: The workshop was successfully able to create interest in mathematics among the students of different colleges of Chhattisgarh. It offered a common platform for students and professors for interaction. The students participated in the workshop and mathematics quiz enthusiastically. They were able to get answers of their queries about mathematics. The department intends to organize guest lectures by distinguished professors in future.


Dr. OMKAR LAL SHRIVASTAVA
HEAD, DEPTT. of MATHEMATICS
GOVT. KAMLADEVI RATHI GIRLS P G COLLEGE
Rajnandgaon


DR. SUMAN SINGH BAGHEL
PRINCIPAL
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Report Of National Conference Celebration -2019

National Conference on the topic 'Recent Advances in Physical Sciences' under the aegis of silver jubilee celebration of International Academy of Physical Sciences (IAPS) India on 18-19 November 2019 was organized by Department of Mathematics, Physics and Chemistry of Govt. Kamladevi Rathi Girls P. G. College Rajnandgaon. Welcoming the delegates Principal Dr. Suman Singh Baghel said that India has a long and rich tradition of Mathematics and its applications in the society. Economics, Medical Science, Social Science are nothing without the knowledge of Science in 21st century. I am very thankful to International Academy of Physical Sciences for their partnership which made this event possible in such a small city like Rajnandgaon. I am glad to share the information that more than 450 delegates including distinguished experts from different states of India are participating here. Speakers from national and international level institutions, who have landmark contributions in their field, will be sharing their excellent research to the august audience. The conference comprises 45 lectures and 108 paper presentations. The analysis of abstracts indicates a high volume and quality of research in the area of Physical Sciences. We look forward to frank discussions, debate and guidance in our efforts. Organizing Convener Dr. Omkar Lal Srivastava, Head, Department of Mathematics welcomed the guests and elaborated the importance of "Recent Advances in Physical Sciences". The conference is aimed to provide an open forum for the interchange of innovative ideas among scientific and academic fraternity through lectures of eminent scientists and professors, presentations and discussions on new findings in all aspects of modern approaches in Physical Sciences. Every attempt is being made from our side to make your visit pleasant and meaningful. Highly dedicated local organizing committee is putting their best with a smile on their face to make the conference memorable for everyone. I, on behalf of organizing committee, graciously acknowledge the support of Department of Higher Education, Director General, Chhattisgarh Council of Science and Technology (CCOST), Patron of the conference Honorable Dr. Aruna Palta, Vice Chancellor, Hemchand Yadav Vishwavidyalaya, Durg, Mayor, Shri Madhusudan Yadav and Shri Chandrakant Kaushik, Commissioner, Nagar Palik Nigam Rajnandgaon, and Janbhagidari Samiti for their financial support to organize the conference. Finally, I thank all the Professors, Guest faculty, staff and students of college for their commitment and hard work for organizing this conference.

The program included the felicitation of eminent scientists, encouragement of young researchers, Presidential Address (General), Presidential Address (Technical), Plenary Lectures, invited talks and paper reading sessions. In a brief and rousing address, the Vice Chancellor of Hemchand yadav Vishwavidyalaya Durg Dr. Aruna Palta, spoke on the importance of seminar and conference and their contributions to the development of humanity and the creation of scientific temper and knowledge- based society."Happy to be

inaugurating the National conference of the International Academy of Physical sciences on "Recent Advances in Physical Sciences". She underlined the twin role of cultural and scientific interaction between scholars and senior scientists. She was happy to know that more than three hundred students and scholars were participating in the conference. Prof. P. N. Pandey, the Vice Chancellor, Nehru Gramya Bharti University, Prayagraj and General Secretary IAPS said "We have organized many conferences in big cities but this is a unique feature of this conference as it is organized by a college of small city Rajnandgaon and vast presence of young students from all over India is the main achievement of this conference and seminar because they are the future Scientists of our country. In this program, we are also celebrating the silver Jubilee of International Academy of Physical Sciences (IAPS) India. He said that Kamla college was chosen as the venue and Dr. Omkar Lal Shrivastav as convener due to his organizational capacities.

Special guest of function Prof. P. K. Bajpai Vice President, IAPS and Chairman of Conference said that the IAPS is an international society dedicated to the applications of Science and Technology and as such it has a crucial role to play because it is the only international society in India explicitly devoted to this goal. India is a young country. Every third person in India is youth. Therefore it is imperative to give them the right education and especially the education of Physical Sciences. I take this opportunity to welcome all honorable guests, dignitaries, invited speakers and participants on behalf of the organizing committee and on behalf of the International Academy of Physical Sciences (IAPS). The conference becomes more significant as it is being organized to celebrate the silver Jubilee of the IAPS, an organization that has been tirelessly pursuing the promotion and dissemination of interdisciplinary researches in the domain of physical sciences from last 25 years. Physical Sciences have played pivotal role in the development of Science & Technology globally and contributed substantially to promote scientific ethos and values for making the world a better place. The advanced physical and mathematical sciences have a direct impact on the economy, as they are the source of useful knowledge that is embodied in economic inputs and in a way provides dynamic paths societal upliftment and national development.

Special guest Prof. C. K. Mishra Secretary, IAPS, said that "Only the right kind of books and research Journals can help them to face the growing challenges that come with the changing world". Prof. Dwijendra Gupta Ex VC, JP University Chhapra, said that Biochemistry is important in solving biological problems. Dr. Hemlata Mohabey wished all the participants a great success in their efforts to choose Science as career. Another special guest Dr. Sujata Saxena, Principal Scientist, ICAR-CIRCOT, Mumbai informed about the use of natural materials and enzymes for reducing the adverse environmental impact of textile processing. Dr. S. K. Pande, Ex. Vice Chancellor of Pt. Ravishankar Shukla University, Raipur highlighted the importance of Astronomy and Astrophysics. Prof. Rama Pande addressed on this occasion and established the kinship of Chemistry with human life and the drugs of Cancer. Speaking on the occasion, Mrs. Hema Deshmukh, President of the governing body of Kamla College expressed her happiness in associating with this conference which has attracted in science lovers across the country. The Souvenir containing the abstracts of research papers and invited talks was also released on the occasion. After the key note address of Prof. P. K. Bajpai and Prof. S. K. Pandey, Prof. Rama Pande, Dr. Sujata Saxena and Prof. Smita Acharya in the plenary session, total 27 invited lectures in nine technical sessions and 108 contributory papers were presented in Auditorium, RUSA seminar Hall one and Two simultaneously in two days as scheduled. Cultural evening of cultural programs by the students of different colleges, compeered by Miss Shristi Sharma and directed by Mrs. Ramkumari Dhruva, was organized in the evening of the inaugural day.

Valedictory session Chief Guest Prof. Shailendra Kumar Singh, Vice Chancellor Bastar University Jagdalpur, congratulated organizers on the successful organization of the conference. He said that Physical Sciences are important for industrial development. Students should be imparted scientific training. Everyone should try for the betterment of career because nobody reaches on top without making efforts. Chairperson Prof S. P. Singh, Ex VC, Guru Ghasidas Vishwvidyalaya Bilaspur said that the conference was very successful because it attracted academicians from various states. Dr. Sujata Saxena praised the students of the college for tree plantation which is the need of the hour. Dr. Hemlata Mohabey highlighted that good deliberations were made in the conference. Prof Charu Arora praised the enthusiasm of girl students she also told them about the chemicals responsible for water pollution. Dr. Mamta Rani, Central University Kishangarh, underlined the importance of history. Dr. Vishnu Narayan Mishra, Central Tribal University Amarkantak, expressed his views. Dr. Shabnam Khan, Dr. Preetibala Tank, Dr. Suresh Patel, Dr. Dakeshvar Verma of Govt. Digvijay P. G. College Rajnandgaon, also presented their reports of corresponding sessions. Certificates were distributed to the participants. The programme was conducted by Dr. Sumita Shrivastava and vote of thanks was given by Shri Alok Joshi. The conference was sponsored by Chhattisgarh Council of science and technology (CCOST), Hemvachand Yadav Vishwvidyalaya, Durg, Nagar Palik Nigam, Rajnandgaon and Janbhagidari Samiti Govt. Kamladevi Rathi Girls P. G. College Rajnandgaon.

Impact and Follow up activities: *The conference was successfully able to create interest in physical sciences among the students of different colleges of India. It offered a common platform for students and professors for interaction. The students participated in the conference enthusiastically. They were able to get answers of their queries about mathematics, Physics and Chemistry. The department intends to organize guest lectures by distinguished professors in future.*



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Report of National Mathematics Day Celebration -2021


The Mathematics Department of Govt. Kamladevi Rathi Girls P. G. College, Rajnandgaon organized a National workshop on “**Ramanujan and Development of Mathematics**” and Mathematical Quiz Competition on the occasion of National Mathematics Day on 21st December 2021 in hybrid mode. In the inaugural session, chief guest Prof. Vinod Mishra, Sant Longowal Institute of Engineering and Technology, Punjab, said that Mathematics of Ramanujan played special role in development of modern mathematics. Students must be taught about Indian mathematicians especially. The topic of his invited talk was “Ramanujan's Contribution to Magic Square”. He told that Srinivas Ramanujan continuously contemplated on mathematical operations and indivisible numbers. Mathematics of prime numbers is very useful in Information Theory of modern mathematics of 21st century. Theory of prime numbers, Magic square, Partition problem (modular theory equations), Tau function, Hecke theory, Mock-theta function, Elliptic function, Riemann-zeta function, Continued fraction, Harmonic and hypergeometric series, Landau-Ramanujan constant, Ramanujan identities, Ramanujan Conjecture, Ramanujan prime, Ramanujan-Soldner constant, Combinatorial analysis and series inversions, Eulerian polynomials and numbers, Bernoulli numbers, Analogues of the gamma function were discussed. Dr. Suman Singh Baghel, Principal, in her presidential address said that National Mathematics Day is celebrated on 22nd December every year since 2012, which was the birth centenary year of Srinivas Ramanujan. She discussed about Mock Theta functions, infinite series etc. being used in new problems of Cosmology.



Special guest of the programme Prof. Nidhi Handa, Gurukul Kangri University Haridwar, delivered her talk on the topic “Ramanujan's contribution to Modern Mathematics”. She explained how mathematics from ancient times can be used to solve different Mathematical problems of real life. Dr. B. S. Thakur, professor and head, Pt. Ravishankar Shukla University, Raipur, delivered talk on “Sine differences of Aryabhatta” and gave useful information about utility of Aryabhatta's mathematics in the construction of modern Trigonometry. Prof. S. K. Bhatt, in his talk entitled “Life and works of Ramanujan” discussed about the contribution of Ramanujan to numbers Theory, Black Holes, Cycle of Planets Gravitation in detail. Dr. Purushottam Jha Govt. P. G. college Balodabazar, in his talk on “Ancient Treatise Lilavati and its applications in modern mathematics” highlighted the applications of Bhaskaracharya's theorems in Mathematics and astronomy also. Dr. Rakesh Tiwari of Govt. VYT P. G. College, Durg, in his talk entitled “Applications of Ramanujan's Theorems” explained about the use of Mock Theta function in the treatment of Cancer. Dr. Omkar Lal Shrivastava, programme

coordinator, said that the fundamental philosophy of the department is to inculcate not only intellect and creativity among the students through their active engagement in academic and research activities but also to make them realize their extra academic and extracurricular disposition as well, critical for making a productive member of the society. He told that we are thankful to **CCOST and NCSTC, DST, New Delhi** for sponsoring this programme. Miss. Sonali loya conducted the programme. Kuleshvar Patel proposed vote of thanks of technical sessions. In the end of the programme, Amit Dewangan proposed vote of thanks of whole programme. This National workshop and Mathematics Quiz was attended by 222 students, 11 academicians, 10 faculty members, 09 research scholars (Total 252) from the different colleges of the country.

Mathematical Quiz Competiton: In Mathematical Quiz Competiton 159 students from Raipur, Dhamtari, Balod, Durg, Bhilai, Rajnandgaon, Dongargaon etc. participated. In this competition Chandan Sahu, M. Sc. III semester of Govt. Digvijay P. G. College, secured First prize of Rs. 5000, while Sonam and Sangeeta Sahu, M. Sc. III semester students of Govt. Digvijay P. G. college, Rajnandgaon, got second prize of Rs.3000 and third prize of Rs. 2000 respectively. We mentioned in all banners, Brochures, Invitation Cards, Certificates, Folders, Writing Pads, Mementos "*Catalysed and supported by Chhattisgarh Council of Science and Technology and National Council for Science and Technology Communication (NCSTC), DST, Govt. of India, New Delhi*"

Impact and Follow up activities: The workshop was successfully able to create interest in mathematics among the students of different colleges of Chhattisgarh. It offered a common platform for students and professors for interaction. The students participated in the workshop and mathematics quiz enthusiastically. They were able to get answers of their queries about mathematics. The department intends to organize guest lectures by distinguished professors in future.


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राजनांदगाव (छ.ग.)