



Govt. Girls' Post Graduate College, Ujjain

A Centre for Excellence, "A" Graded by NAAC in 2 Cycles

Internal Quality Assurance Cell



Quality Learning Centre
MPHEQIP, World Bank
Academic Excellence

A Report Of

**Academic Excellence Activities
Under
Quality Learning Centre**

Conducted in

2020-21 and 2021-22

Under World Bank Project

*Madhya Pradesh Higher Education Quality Improvement Programme
of Department of Higher Education M.P., Bhopal*



By

Academic Excellence Committee & Internal Quality Assurance Cell

The Quality Assurance Strategies of IQAC have sustained the culture of quality and excellence in the institute since long. The College was accorded the status of Centre for Excellence in the Year 2007 by Department of Higher Education, Govt. of Madhya Pradesh. Recently in 2021 the College was notified as the Quality Learning Centre under the Madhya Pradesh Higher Education Quality Improvement Programme of World Bank Project and was sanctioned a Grant of Rs. 1,50,000 Rs. for Academic Excellence.

The College completed 11 out of 12 Categories in the Academic Excellence Scheme in the year 2020-21 and 2021-22 and utilized 99 percent of the Grant. In the Year 2022-23 the College has been further sanctioned Rs. 6 Lakhs for Academic Excellence for which the activities are ongoing

**ACADEMIC EXCELLENCE
CORE AREAS**

Academic Support

Additional Resource Hiring

**Educational Tours/Exchange
Programs**

Implementation of New Course

Industrial and Cultural Tour

**Programs for Co-Curricular and
Extra Curricular Activities**

R & D Support

**Sensitization program for Gender
Justice**

**Student Support Activity Book
Support**

Training Program

Workshop/Seminar

Innovation for Academic Excellence

Table 1
Department-wise Activities Conducted under
Different Categories of Academic Excellence

S. No.	Name of Department	Date	Category	Activity
1.	Mathematics	22/12/2020	Academic Support	National Mathematics Day on 22/12/2020
2.	Library	11/1/2021	Academic Support	Role of Libraries and e resources in New Education Policy
3.	Zoology, Biotechnology	24-30 June 2021	Academic Support	National E-Workshop on Entrepreneurial Skill Development and Career Opportunities
4.	Zoology and Biotechnology	17/03/2022	Academic Support	Lecture on Carp Culture
5.	Sociology	21/03/2022	Academic Support	Special lecture on Socialization on 21/3/22
6.	Commerce	26/03/2022	Academic Support	Lecture on "Mann ki Shakti"

7.	IQAC	25/03/2022	Additional Resource Hiring	E-Content on Public Speaking
8.	IQAC	25/03/2022	Additional Resource Hiring	E-Content on Presentation Skills and Non Verbal Communication
9.	IQAC	25/03/2022	Additional Resource Hiring	E-Content on You Tube Presentation and Audio Book Narration
10.	IQAC	25/03/2022	Additional Resource Hiring	E-Content on Interview Skills and Effective Communication
11.	IQAC	25/03/2022	Additional Resource Hiring	E-Content on Use of e-Resources in Social Science Research
12.	IQAC	25/03/2022	Additional Resource Hiring	E-Content on Lekhan Kaushal and Vakratatva Kala
13.	IQAC	25/03/2022	Additional Resource Hiring	E-Content on Preparation for Civil Services Exams
14.	Music	04/12/2021	Educational Tour	Educational Tour to Triveni Sangrahalaya

15.	Zoology	21/12/2021	Educational Tour	Educational Tour to Tara Mandal and Snake Park
16.	Physics & Mathematics	11/01/2022	Educational Tour	Educational Tour to Padma Shri Dr. V.S. Wakankar Observatory Dongla
17.	Physics	25/02/2022	Educational Tour	Visit to Vedshala Observatory
18.	Chemistry	12/03/2022	Educational Tour	Industrial Tour to PG Tech Research Institute, Indore
19.	Physics	25/02/2022	Industrial Tour	Industrial Tour to M/s. Arpit Plastic Maxi Road industrial Area Ujjain
20.	Zoology, Biotechnology	2-8 October 2021	Co-Curricular Activity	e-Awareness Program on "Wildlife Conservation in India: The Changing Paradigm"
21.	Mathematics	22/12/2021	Co-Curricular Activity	Mathematical Week in Memory of 134 th birth Anniversary of S. Ramanujan
22.	Mathematics	18/11/2021	Co- Curricular Activity	National Workshop on Vedic Mathematics and Fuzzy Model Computation and Application on 18/11/21

23.	Library	26/10/2021	R & D Support Activity	National Webinar on "Information Literacy and e-Resources for Education and Research
24.	Economics	08/12/2021 to 10/12/2021	R & D Support Activity	Three Day Research Development e-Program on "Academic Research Writing in Social Science"
25.	Psychology	12/10/2021	Sensitization for Disabled	National Webinar on World Mental Health Day and Exhibition on 12/10/21
26.	Economics	04/12/2021	Sensitization for Gender Justice	E Mentoring on "Mantras of Women Entrepreneurship"
27.	Library	24/03/2022	Student Support Activity Book Support	Book Support of 85 books
28.	Zoology, Biotechnology	18/09/2021	Training	National Training Workshop on "Research Article writing and Plagiarism"
29.	Economics	17/11/2021	Training	e-Training on "Financial Literacy"
30.	Computer Science	15/02/2022 to 05/03/2022	Training	Training on Computer Graphics By Fairline Company

31.	Library	11/01/2021	Webinar	National Webinar on Role of Libraries and e-Resources in New Education Policy
32.	Physical Education and Sports	21/06/2021	Webinar	National Webinar on International Yoga Day
33.	Physical Education and Sports	20/09/2021	Webinar	National Webinar on “Need and Importance of Physical Education in Current Scenario” 20/9/21
34.	Zoology, Biotechnology	21/09/2021	Webinar	National Webinar on “Dementia”
35.	Library	26/10/2021	Webinar	National Webinar on “Information Literacy and e-Resources for Education and Research”
36.	Sociology	10/11/2021	Webinar	National Webinar on “Sociology and Employment”
37.	Commerce	29/11/2021	Webinar	National Webinar on “Career Opportunities as a Chartered Accountant”
38.	Political Science	31/11/2021	Webinar	National Webinar on “Career Opportunities in Political Science”

39.	Political Science	13/12/2021	Webinar	National Webinar on “Role of Constitutional Values in Indian Democracy”
40.	Physics, Computer & Statistics	18/12/2021	Webinar	National Webinar on “Three Portion Diet and Energy”
41.	Political Science	21/12/2021	Webinar	National Webinar on “Parliamentary Process in India
42.	Music	23/12/2021	Webinar	National Webinar on Nimar ke Gangaur Parva Ki Nritya Parampara
43.	Mathematics	23/12/2021	Webinar	National Webinar on Birth Anniversary of Srinivas Ramanujan
44.	Music	24/12/2021	Webinar	National Webinar on Upshastriya Sangeet Ki Vibhinna Gayan Shailiyan
45.	Physics, Mathematics, Computer Science and Statistics	17/03/2022	Webinar	National Webinar on Zero Shadow Day
46.	Zoology, Biotechnology	29/07/2021	Webinar	National Webinar on International Tiger Day 2021

47.	Sociology	10/12/2021	International Webinar	International Webinar on "Human Rights and Society"
48.	Physical Education and Sports	21/06/2021	International Webinar	International Webinar on Yoga for Well Being
49.	Drawing	22/11/2021 to 29/11/2021	Workshop	National Workshop on Kalawant Kal Aur Aaj merged with 30 Hours Add On Course
50.	Botany and IQAC	23/03/2022	Seminar	Seminar on Tinkering Lab Development and Entrepreneurship
51.	Microbiology and Botany	23/03/2022	Seminar	Seminar on Recent Trends in Microbiology
52.	Physics	27/02/2022	Innovation for Academic Excellence	National Webinar on "Innovative Experiments in Physics 2022"

Introduction

Government Girls' P.G. College Ujjain was established in 1958 and has been accorded the status of Centre for Excellence by Higher Education Department Govt. of M.P. It has been accredited with "A" Grade by NAAC in 2 cycles (2004 and 2016) with a 3.19. CGPA in the Second Cycle. It is a Multi Faculty College with Arts, Science, Commerce and Home Science Faculties.

Keeping in mind the aim of self-reliance of Madhya Pradesh by academic excellence activities and as per the instructions of higher education department we have framed a time table of academic excellence activities. We have tried to include all the activities mentioned the letter. So we proposed and implemented the time table accordingly. Apart from organizing Webinars, Workshops and Academic Support Activities College also organized Trainings , Co-Curricular Activities, Sensitization Programs and Educational And Industrial Tours. In all 11 Categories out of 12 Categories given in the Academic Excellence Regime were covered. As per the Circular College organized educational and industrial tours for UG and PG final year students only.

Academic excellence programs were organized by the College under the following Categories:

1. Academic Support Activities (Lectures from Academic Experts)
2. Additional Resource Hiring on Outsource Basis (EContent from Experts)
3. Educational Tours/Exchange Programs
4. Industrial and Cultural Tours
5. Programs for Co-Curricular and Extra-Curricular activities
6. Research and Development /Support Activities
7. Sensitization Program for Gender Justice (Self Defense Course, Save Girl Child, Interactive Program for Disabled)
8. Student support Activity (Mock Test, Book Support, Help Desk etc.)
9. Training Programs
10. Workshop/Seminars (Staff /faculty/students)/conference
11. Others/Innovations for Academic Excellence

Table 2
Activities Conducted Under Academic Excellence
Session 2021-22

S.No.	Academic Excellence Category	Number of Activities Conducted
1.	Academic Support Activities	06
2.	Additional Resource Hiring	07
3.	Educational Tours	05
4.	Industrial Tours	01
5.	Co-Curricular Activities	03
6.	R & D Support Activities	02
7.	Sensitization Programs on Gender Justice And Disabled	02
8.	Student Book Support	01
9.	Training Programs	03
10.	International Webinars	02
11.	National Webinars	16
12.	National Workshop	01
13.	Seminars	02
14.	Innovation for Academic Excellence Activity	01
	Total Activities	52

Note: Total 52 Activities were conducted under Quality Learning Centre for Academic Excellence with a Grant of 1.5 Lakhs

Almost 99% of the Grant was utilized.

Source: Table 1

Brief Reports of some of the activities conducted under Academic Excellence are given ahead:

Mathematics Week

22/12/20

Work Done by Ramanujan in Short Lifespan is Incomparable

Work done by Ramanujan in short lifespan is incomparable. He gave so many theorems and important principles of mathematics. We have to disseminate his work to the students. For this we must know the available e-resources. These were the views of dr. Bhanu Pratap Singh, VC of Maharshi University Lucknow as main speaker of Mathematics Day Webinar and Mathematics Week organized by mathematics department and IQAC of Government Girls' P.G. College Ujjain on the occasion of 133rd birth anniversary of India's great mathematician Dr. Srinivas Ramanujan.

Second Speaker Dr. Deepti Gupta HOD MIT Moradabad said that Dr. Ramanujan used to write notes on book margins as paper was costly. He started his career as accountant but later on switched to mathematics as it was his passion. Dr. Dheeraj Ahire said that Ramanujan used to say that "I do not do anything instead supernatural power inspired me to do everything. My students are my motivation.

In her presidential address principal Dr. Anita Manchandia said that because of his invention of magic numbers he was called Mathemagician. Mock Theta function invented by him is now used in the treatment of cancer. Convener and HOD mathematics Dr. Nirmala Gupta presented the outline of mathematics day and week and welcomed the guests.

In the Mathematics Week Essay , Poster ,Chart and Student Seminar were organized. In Essay Competition Nikita Yadav stood first, Madhubala Ahirwar stood second, in Poster Presentation Mansi Soner came first , Shivangi Khakre scored second position and in Seminar Somya Bhatt was first. Program was conducted by Dr.Ankit Agarwal and vote of thanks was expressed by Dr. Pooja Vinodia.

Library Has a Lead Role In New Education Policy 11/1/21

National Webinar on Role of Libraries and e-Resources in New Education Policy

Libraries has a lead role in New Education Policy. Libraries are good companions that help us for whole life for holistic development. At present from primary education to doctorate degree library has become relevant. By the use of Information Technology libraries are empowered. Through websites students can access books and articles from anywhere and can connect online to libraries. These views were expressed by Dr. Sonal Singh HoD of Library Science Department of Vikram University Ujjain as a main speaker in a National Webinar “Role of Libraries and e-Resources in New Education Policy”.

Second Speaker of the Webinar Dr. K, L. Mahawar Professor of Library Science Department Dr. Babahsaheb Bhimrao Ambedkar University Lucknow narrated the importance of e-Resources in New Education Policy and described types of e-Resources. He added that in view of New Education Policy e-Resources have become important. He described about SHoDh Ganga, SHoDh Gangotri, Swayamprabha, e-Mitra, e-pg Pathshala and specially Indian Digital Library. He also explained about International DOAM and open sources.

In her presidential address principal Dr. Anita Manchandia said that students should use the resources available in plenty to them to increase their potential.

Convener of the program and HoD of Library Department Dr. Sunita Chouhan presented theme of the Webinar and welcomed the guests. Dr. Nikhat Parveen introduced the guests. Dr. Sameena Quershi expressed the vote of thanks and Dr. Rashmi Bhargava conducted the program. Dharmesh Rathore provided technical assistance.

24/6/21

ECO-FRIENDLY FARMING OF MUSHROOM – A FRUITFUL BUSINESS

The Post Graduate Dept of Zoology and Biotechnology of GGPGC, Ujjain organized a seven day E-Workshop on “**Entrepreneurial Skill Development and Career Opportunities in Biological Sciences**” under the aegis MPHEQIP World Bank Scheme. The workshop was inaugurated by the principal Dr Anita Manchandia who lauded the efforts of the organizers in the wake of call from the Prime Minister of ‘Atmanirbhar Bharat’ because the information shared and imparted to the participants is going to make them Self-Sufficient and a successful Entrepreneur. Dr. Anita Manchandia in her presidential address talked about the inherent self-employment opportunities in Biological Science that are readily available to students of all streams irrespective of their background.

As a guest speaker Mrs. Namrata Yadu, Director, Chhattisgarh Mushroom, Naya Raipur delivered her views on the first of day of the e-workshop on “**Mushroom Farming - Fruitful Business.**” She emphasised that “Mushrooms are edible fungi and can be used as a source of food because they are low in calories and fat, high in fibres and proteins and contain high amount of potassium and selenium. They are excellent source of most of the vitamins. Mushroom farming is a potential way to generate income and can be a solution to a problem of food inadequacy as well as employment for the youths. Mrs. Namrata Yadu focused on how a new entrepreneur can start a fruitful and profitable business by mushroom farming and what are different aids and trainings required for starting the business. She also added that this business can not only provide self-employment but also create job opportunities for others. She also talked at length about the different varieties of mushroom with regard to their nutritional and medicinal importance which can be cultivated on a small piece of land or even in an indoor environment like a hall or a room. With the help of suitable videos of her own endeavours and PPTs she explained in a very interesting manner how a mushroom cultivation does not specially require a sunlight and temperature can be managed in indoor environment. These are the ideal tools for recycling the agricultural wastes which otherwise may pose problem of disposal and atmospheric pollution.

Dr. Leena Lakhani convener of the e- workshop presented the theme of the workshop in the beginning and set the rhythm of the academic discourse. She threw light on various employable sectors in society like Mushroom Farming, Apiculture, Sericulture, Aquaculture, Horticulture, Vermi Composting and Fisheries where self -employment can be generated. The event is designed in a way that can be beneficial for the students of different streams according to our new education policy. Dr Lakhani said in her concluding remarks that the workshop is going to be truly fruitful for the students in fulfilling their employment aspirations. An intense Q&A session was conducted at the end of the discourse where Mrs. Yadu answered the questions of the audience to their full satisfaction. Dr. Pratibha Akhand conducted the program and Dr. Hemant Gahlot introduced the guest speaker. Vote of the thanks was presented by Mr. Dharmesh Rathore. Ms. Sheeba Khan and Mr. Shashwat Nigam provided technical assistance for the conduct of the proceedings of the workshop.

25/6/21

E-Workshop on “Entrepreneurial Skill Development and Career Opportunities in Biological Sciences”

SERICULTURE -A PROFITABLE ECO-FRIENDLY BUSINESS

On the second day of the seven-day E-Workshop on “**Entrepreneurial Skill Development and Career Opportunities in Biological Sciences**” organized by the Post Graduate Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme. The guest speaker Dr. Rajesh Baghel, Additional Director, Directorate of Sericulture, Govt. of Chhattisgarh, Raipur, presented an interesting and commercially viable ideas on “**Ecology, Biology and Rearing of *Antheraea mylitta***.” He talked in detail about the rearing of silk worms and demonstrated through videos how the production of silk is done by combining two biological processes. The first of which is the silk worm and second the host plant on which the silk worm relies for food and completes its life cycle. He also discussed the life cycle, Egg-Production and Cocoon Formation in different varieties of silk worms and also highlighted the production of silk fibre from these cocoons. He, with the help of interactive videos acquainted the participants with the reeling, dyeing and printing of the silk in commercial units. He talked about the different types of silks like mulberry, tassar, eri and muga etc. Mulberry silk is found in Karnataka, Tamil Nadu, Andhra Pradesh, Madhya Pradesh and Jammu Kashmir, Tassar silk is found in Jharkhand and Chhattisgarh while Eri and Muga silk is a specialty of Assam. Dr. Baghel’s presentation highlighted on the production of tassar silk from *Antheraea mylitta*, which is a wild silk worm variety.

Mrs. Monika Shridhar, the second guest speaker and entrepreneur of the Society of Tribal Welfare and Rural Education, Chhattisgarh talked about how their society is providing employment to tribal women in Bastar. She said that tribal women are trained by them in reeling of silk to get an opportunity to work right from their home. She also talked about the different marketing strategies which would be beneficial for the tribal women. The guest speakers also informed the viewers about various training institutes where young entrepreneurs get themselves trained in sericulture.

The theme of the workshop was presented by Dr. Leena Lakhani, the convener of the program who also focused on the employability of the study of sericulture. She said that it can provide work to 8-10 million individuals worldwide. Sericulture requires low capital investment and one can earn good income from it. Silk is also called the “Queen of Textiles” in the world, she added. Sericulture is an eco-friendly business which helps to keep the environment stable. The concluding remarks were given by Dr. Lakhani and the different queries of the audience were resolved by the guest speakers together.

26/6/21

VERMICOMPOST : BLACK GOLD: A BIOTIC INDICATOR FOR SUSTAINABLE AGRICULTURE

On the third day of the seven-day E-Workshop on “**Entrepreneurial Skill Development and Career Opportunities in Biological Sciences**” organized by the Post Graduate Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme, the first guest speaker Dr. Sanjay Knnoje, CEO Jila Panchayat, Govt. of Chhattisgarh, Kanker discussed the function and significance of Vermicomposting. He said that Vermicomposting involves the use of earthworms and is a sustainable alternative to commercially available chemical fertilizers and helps to restore soil fertility. He highlighted the facts that vermicomposting not only helps in improving nutritional quality of the crop but also helps in providing employment to the new entrepreneur. He explained in detail the models which Govt. of Chhattisgarh is focusing on to make vermicomposting an integral part in every district.

Dr. Komal Singh Keram, Soil Analyst, Krishi Vigyan Kendra, Kanker, Chhattisgarh, presented a comprehensive overview of various aspects of vermicomposting. He also made clear how vermicomposting is a biological indicator of soil health. Vermitechnology a combination of vermiculture and vermicomposting. Vermicompost is considered as a black gold for the health of the crops. It can also be used in dealing with the problem of exotic proliferation of *Parthenium* weed (Gajar Ghas) in India by using this weed as source of food to the earthworm in vermiculture, he further added. He talked about the different species of earthworms which can be used for vermiculture and the physical and financial requirements for starting vermiculture as a new business. He also threw light on different storing and packaging approaches used for prepared vermicompost and also how the properties of the vermicompost can be enriched by adding different microbial species. He concluded with an appeal to the viewers to exploit kitchen waste in setting up vermicomposting unit at home.

Dr. Leena Lakhani, the convener of the program initiated today's workshop by focusing on various aspects of vermiculture. She expressed her concern for the excessive use of chemical fertilizers deteriorating land which can be overcome by using vermicomposting as a powerful alternative to chemical fertilizers. She also said about the harmful effects of chemical insecticides and fertilizers which cause depletion of population of earthworm and which enlarge after entering in the human body through food and create toxicity. Vermiculture is an efficient approach to enrich soil quality and can even help in conversion of barren land into fertile land. She further elaborated how earthworms through vermicompost increase soil's water retention capacity, prevent soil erosion and improve plant growth. The queries of the audience were answered by the guest speakers and the convener together.

Dr. Nancy Chouhan conducted the proceedings of the program.

27/6/21

Self- Employment Opportunities in Horticulture and Makhana Cultivation – An Eco-friendly Agribusiness

India Stands second among the world countries in terms of horticulture, which soon can be on first position due to advancement in the technology and vast agricultural land, said, Mitul Kothari, Member, MIDH, Ministry of Agriculture, Govt. of India, Raipur, Chhattisgarh. He was speaking on the fourth day of the seven-day E-Workshop on “Entrepreneurial Skill Development and Career Opportunities in Biological Sciences” organized by the Post Graduate Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme. He reiterated that horticulture can provide enormous opportunities in self-employment and is a strong career path for the students. He also said that the setting up of horticulture nursery can be commercially viable and successful agribusiness venture. Food Biotechnology and Food processing will prove a booming business field in near future and various big companies are looking for food scientists in it, he added.

The second subject expert of the day Dr. Sudharshan Singh Chandravanshi, Senior Scientist and Head of Krishi Vigyan Kendra, Dhamtari IGKV, Raipur, Chhattisgarh delivered his views on cultivation and processing of foxnut and discussed the interesting and intrinsic inherent employment opportunities in the field. He said that foxnut is considered equal to a black diamond due to its nutritional values and hence, one can earn four times of the initial invested capital from this crop. The low sugar and fat content of the foxnut makes it an excellent medicine for treating various heart-ailments, diabetes and stomach diseases. He elaborated that, the pop which is left behind after processing of foxnut is utilized by various medicinal industries as raw material for preparing medicines.

saidDr. Anita Manchandia, Principal, who presided over the proceedings of the workshop appreciated the efforts of the members of the Dept of Zoology and Biotechnology for their umpteen efforts and diligent steps taken to bring about so many experts of the different job-oriented subjects on one platform for the benefit of the students in making them self-sufficient in their path of career development. Dr Leena Lakhani, the convener of the program introduced the subtle nuances pertaining to the field of horticulture and makhana-culture. She said that horticulture crops are good sources of variety of nutrients and are rich in vitamins, minerals, flavour, aroma and dietary fibres. Horticulture crops possess aesthetic value and protect the environment which helps in the conservation of the nature as well. Superfood makhana is considered superior to all dry fruits such as almonds, walnut, coconut and cashew-nut in terms of low sugar and fat contents and is rich in protein, minerals and antioxidants. She further added. Dr. Lakhani also presented the concluding remarks and together with the guest speakers resolved the queries of the viewers.

28/6/21

E-Workshop on “Entrepreneurial Skill Development and Career Opportunities in Biological Sciences”

Lac production: A Great Source of Income Generation and Biodiversity Conservation

Dr. Upendra Kumar Nag, an established authority on Lac of Krishi Vigyan Kendra, Kanker, Chhattisgarh was the subject expert on the fifth day of the seven-day E-Workshop on “**Entrepreneurial Skill Development and Career Opportunities in Biological Sciences**” organized by the Post Graduate Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme. The guest speaker talked at length about the production and varieties of lac. Popularly known as Lakh in Hindi, lac is a resinous substance deposited on the twigs of various trees in India by the female lac insect. It is used in the manufacturing of varnishes, sealing wax, etc., and also in the production of a red colouring substance. Dr Nag’s bilingual discussion explained in detail about thousands of species of lac in a very short time. He added that alternate crops of kusum trees, samiyalat, a wild shrubs and apple trees are good for better production of lac. This way one can generate income round the year. Wide space between two tree-rows helps in facilitating lac production while at the same time allowing the producer to grow cereal and vegetables in the empty space and earn cash on regular basis. It is popularly believed that an individual can earn three times of its invested capital through lac production.

Introducing the theme Dr. Leena Lakhani said that insect producing lac is not only of social and economic importance but also plays an important role in conserving biodiversity. It can live upon 400 species of plants to obtain its food and produce lac and also constitute a complex food web. She elaborated further that its entire host plant species is of medicinal, economic and social importance. A number of primary and secondary consumers and parasites live freely on lac producing plants without any clashes between them. Thus, lac producing insect not only increases diversity in plants and animals but also enhances the number of various micro-organisms associated with it. The destruction of a single Lac insect species can cause deterioration of many other species of flora and fauna too, she added. Dr. Lakhani also presented the concluding remarks and together with the guest speakers resolved the queries of the viewers.

Dr. Vikrant Shah conducted the programme. Dr. Pratibha Akhand introduced the guest speakers to the viewers and a befitting vote of thanks was presented by Dr. Hemlata Joshi. The technical assistance was provided by Ms. Sheeba Khan.

29/6/21

E-Workshop on “Entrepreneurial Skill Development and Career Opportunities in Biological Sciences”

Apiculture – An Alternate Source of Income in Agricultural Practices

On the sixth day of the seven-day E-Workshop on “**Entrepreneurial Skill Development and Career Opportunities in Biological Sciences**” organized by the Post Graduate Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme the first guest speaker Dr. Rajeev Awasthi, President, Prakriti Seva Sansthan, Bilaspur, Chhattisgarh talked about various beneficial species of honey bee used for beekeeping. He explained different tools used for culturing of honey and artificial bee hive box for rearing of bees. He further elaborated about arrangements for food, water and required optimum temperature and other climatic conditions necessary for bee rearing. One may obtain honey 9-10 times from a single bee box. A single box can produce 25 to 30 kg honey in a year whose market price is around 6000-7000. Thus on increasing the number of box to 8-10 one can earn 70000 income. National apiculture board provides financial subsidy in the ratio 60:40 (Farmer and Government) as well as bee box at a fixed price if an entrepreneur sends its proposal for starting a venture. Apart from this help Horticulture Department, Krishi Vigyan Kendra and Forest Department also provide appropriate assistance to it, he added. He concluded that honey production is a good secondary source of income if practiced simultaneously with agriculture.

Mr. Ram Narendra, Managing Director, Pragati Prayason Samaajik Sansthan, Bastar, Chhattisgarh discussed how different varieties of honey can be obtained using different varieties of crops. The government of India is encouraging honey production by utilising different varieties of trees like Sahjan Tree, Karanj Tree etc. A honey obtained from different trees has wide medicinal importance like honey from sahjan tree can be used for curing heart disease, karanj tree honey is used for treating skin diseases and mahua tree honey is used as a immunity booster. He said about the different marketing approaches like preparation of a trademark and how to apply for a license. This business can provide self as well as employment to the others. If one society plans bee keeping in a calendar year then they can produce about 5-7 tons of honey in a year.

30.06.21

E-Workshop on “Entrepreneurial Skill Development and Career Opportunities in Biological Sciences”

Fish Farming has immense potential to generate self-employment

“Fish farming has immense potential to generate self employment and can solve problems of hunger crisis. The ponds having low water level or water at a specific time in a year can also be used to culture fishes especially in villages,” said Dr Pradeep Shrivastava, Academic Member of MP Private University Regulatory Commission, Bhopal who also served earlier as Head, Department of Zoology at Barkatullah University, Bhopal, M.P. Speaking on the last day of the seven-day E-Workshop on **“Entrepreneurial Skill Development and Career Opportunities in Biological Sciences”** organized by the Post Graduate Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme, he reiterated the need of using standard seeds for fish farming to get a better yield even in small ponds because when they are transferred into big ponds they proliferate and grow rapidly. He elucidated various training opportunities and threw light on the new variety of seeds which can be used for improved fish farming. According to the National New Education Policy (NEP -2020), this field has vast opportunities for skill development and appropriate training and education are need of the hour for the young entrepreneur. The aim of the workshop was to spread the call of the honourable prime minister of the country to focus on Atam Nirbhar Bharat , in the direction of self dependent nation. The topics were chosen to enhance the idea conservation of nature that would improve the quality of life in and around the industrial set up.

Mrs. Shweta Gupta, Assistant Fisheries Officer, Ujjain also expressed her views and showed the participants the route to vast career opportunities and informed them about required educational qualifications in the field of fisheries booming with earning opportunities across the nation. She also highlighted various Government Schemes like Bioflac, RAS, Construction of new pond, Fish feed meal which are offering financial aid to the entrepreneurs. There are abundant options of government jobs in fisheries like AFO, FI, FEO, and DEFO. She also said the participants about essential qualifications and entrance exam available in this field. She called upon focusing on small scale business and their benefits. One can obtain a profit of 30% on starting fish farming as a business.

Dr Leena Lakhani introduced to the audience the fine details of Aquafarming which involves cultivation of freshwater and marine populations under controlled conditions which helps in conserving biodiversity in the water body. India ranks second in terms of fish production through aquaculture. She focused on various benefits of aquaculture such as alternative food source which would reduce sea food trade deficit and help maintain aquatic environment.

Dr Hemant Gahlot, professor and Head of English, in his presidential address appreciated the selection of speakers and the topics due to the commercial viability of these entrepreneurial discourses.

29/7/21

International Tiger Day 2021: Their Survival is in our hands

Wildlife conservation is the most important thing if we want to save forests and maintain ecological balance in nature. Tiger plays a key role in wildlife management whose conservation and protection is a moral as well as a natural obligation to every individual, said Dr. H. S. Pabla, Former Chief Wild Life Warden of Madhya Pradesh. He was speaking on the National Webinar held on the International Tiger Day 2021 and organized by the Post Graduate Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme. He enlightened the audience on “**Making Sense of Wild Life Conservation in India**” and informed about the misconception among peoples regarding wildlife and their conservation. He emphasised various aspects of tiger conservation and said about the various articles and penal codes associated with the laws for conserving natural resource and wildlife. The tiger conservation can be enhanced by collaborative approach and changing Public opinion, laws and policies, he added.

Mr. J.S. Chauhan, Principal Chief Conservator of Forests (Production), Madhya Pradesh, Forest Department also expressed his views on “**Tiger conservation in India: Past, Present and Future**”. He highlighted the importance of tiger and said that they are the indicators of functional and healthy forest ecosystem. He elaborated on the historical perspective and mythological importance of tiger. In 1973, project tiger was launched with 9 tiger reserves which helped to increase the number of tigers to 2967 by the year 2018. He said that Madhya Pradesh is actively involved in the management of tigers and supporting 526 tigers. The conservation of tiger can be done by its reintroduction in the active wild life territory, rescue mechanism and making local communities aware about the research and monitoring of the present tiger species.

The thematic introduction of the workshop was given by Dr. Leena Lakhani, she introduced the audience about the pivotal role of tiger in the health of ecosystem. She said that being an umbrella species in the food chain it is very essential to protect tiger as it enables the conservation of entire biodiversity and ecosystem functioning. At the end she appealed the viewers to take pledge to protect the minute count of tigers from being extinct and raise awareness for conservation of these wild cats and also follow zero tolerance for wildlife crime.

Dr. Anita Manchandia, Principal, in her presidential address said that tiger acts as a big boss in the ecosystem and their preservation depends on safeguarding their habitat. Dr. Pratibha Akhand conducted the proceedings of the programme. Ms. Sheeba Khan introduced the guest speakers to the viewers and a vote of thanks was presented by convener Dr. Leena Lakhani. The technical assistance was provided by Mr. Shashwat Nigam.

18/9/21

Ethical Research requires Originality, Technical Language and Integrity

Research should be a passion followed with sanctity and not a career obligation. These were the words of Dr. D. K. Verma, Dean Research and Extension and Professor, Bheem Rao Ambedkar University of Social Sciences, Mhow who was speaking as an Invited Resource Person in a One Day National Training Workshop on Research Article Writing and Plagiarism organized by Zoology and Biotechnology Department and IQAC of Govt. Girls' P.G. College, Ujjain under MPHEQIP World Bank Scheme in collaboration with Govt. Autonomous P.G. College, Satna M.P.. Giving live examples of plagiarism, litigation and Publication Ethics, he said that requirements of individual promotion and Institutional Accreditation have led to springing up of fake publication industry where low quality writings are published at a high fee. He opined that Quality Seminars are the only way to discuss, improve and master the art of research. Dr. Verma also raised the issue of language of research which he said should involve the syntax of variables and research should be innovative, original, voluntary and morally inclined.

Second Resource Person and Collaborator of the Workshop Dr. Shivesh Pratap Singh, Professor and Head P.G. Dept. of Zoology, Govt. Autonomous P.G. College, Satna said that a scientific research paper is a written and published report describing original research results. A scientific experiment is not complete until the results have been published and understood. He opined that a research paper should be written in clear and precise form and described the accurate method and approach to write a systematic scientific research article. He explained the formats of Abstract, Title, Methods, Discussion and Referencing. Stating the various elements needs to be embedded in the research paper Dr. Singh said that due care should be taken during the selection of journal for the publication of the research.

The third Resource Person Dr. Satish Kumar Malik, University Librarian, Maharshi Dayanand University, Rohtak, Haryana iterated that Digital access and Cut Copy and Paste have made research writing easier. He said about the issues of plagiarism in the research and said that it is considered as a stealing of someone else's work and "passing it off" as your own. He also described the penalties for plagiarism and cautioned that many top notch persons world-wide have faced defamation, litigation and penalties for plagiarism. He stated that the best ways to avoid plagiarism is to follow publication ethics, use Plagiarism Check tools and give proper required Citation and credit.

Introducing the theme of the Workshop, Convener said that our original research is like a baby who gets to be known by its name, physical appearance, contribution and reputation, so honest efforts should be made at doing quality research and getting it published in standard journals with due considerations of impact factor, peer review status and UGC listing of the journals. .

In his Presidential address, Chairperson and Principal Dr. H. L. Anijwal said that research is an essential eligibility criterion in the academic world and this workshop will enlighten the scholars and teachers about the ethical and quality aspects of research.

Welcome address was given by IQAC Coordiantor Dr. Neeta Tapan. Dr. Pratibha Akhand conducted the proceedings of the programme. Dr. Saroj Ratnakar and Mr. Shashwat Nigam introduced the guest speakers. Vote of thanks was presented by Dr. Leena Lakhani. Technical assistance was provided by Ms. Sheeba Khan.

20/9/21

Physical education is necessary to maintain health

Department of Physical Education and IQAC of Govt. Girls PG College, Ujjain organized a National Webinar on "Need and Importance of Physical Education in Present Scenario" under MPHEQIP World Bank Scheme. Invited guest Dr. Poonam Kaushik, Sports Officer, Kasturbagram Rural Sansthan, Kasturbagram, Indore said that physical education is useful not only for sportspersons but for all for overall development. In the present scenario of technological development our physical activity is hampered so physical education is necessary to maintain health. He explained in detail the importance of physical education through power point presentation.

In his presidential address, Principal Dr. H. L. Anijwal said that how important physical education is, it is shown by the Covid scenario. Students should participate in sports activities.

In her welcome address, Dr. Neeta Tapan, IQAC Coordinator, said that the sports-integrated education introduced in the new education policy encourages students to adopt fitness as a lifelong approach and the level of fitness as envisaged in the Fit India Movement as well as related life skills. will help to achieve.

Program operation and thematic introduction was given by Dr. Sangeeta Karlekar, convener and sports officer. The vote of thanks was given by Sports Committee member and Head of Hindi Department, Dr. Sadhna Nirbhay. College player Utkarsha Paul introduced the guest. Dharmesh Rathore gave technical support.

21.9.21

Dementia

National Webinar organized on World Alzheimer's Day

In dementia, the ability to think and other behavior changes which has an impact on social life. Dr. Archana Verma, Associate Professor, Medicine and Consultant Neurologist at Maharaja Yashwantrao Hospital and Mahatma Gandhi Memorial College, Indore expressed the above views in the National Webinar on Dementia in his guest lecture. This Webinar was organized by the Department of Zoology and Biotechnology of the college and IQAC under the World Bank Scheme MPHEQIP.

Dr. Verma gave information about different types and disorders of dementia like cognitive decline memory, remote and recent memory, executive dysfunction and apathy. Pseudo can be controlled by nutritious diet in the early stages of people suffering from Alzheimer's. Researchers have also found that people who know multiple languages and develop interest in their hobbies are much less likely to suffer from dementia.

Dr. Leena Lakhani, Convener of the Webinar gave thematic introduction and gave information about dementia. He said that Alzheimer's is a progressive disease that impairs memory and other mental functions and is the most common cause of dementia. He said that dementia is one of the biggest challenges that we are facing globally and about 50 million people are affected by it. He also stressed on the social responsibilities of the youth and said that they should have affectionate behavior towards their elderly parents.

Dr. Anita Manchandia Professor of Chemistry Department said that people should not give up their hobbies and old people should be encouraged to pursue their hobbies, which acts as mental support to fight dementia.

The Webinar was presided over by the institution's principal Dr. H.L. Anijwal did it. Ms. Sheeba Khan introduced the guest speaker to the audience, Mr. Shashwat Nigam conducted the program and Ms. Shweta Geed presented the vote of thanks.

02/10/21

Protected Area Network Are Backbone for Wild Life Conservation

Wildlife conservation is the most vital prerequisite of the hour. The decline in number of species is the matter of concern and various preventive measures essential for their protection needs to uninterruptedly follow said, Dr. H.S. Pabla, IFS, Former PCCF and CWLW, Bhopal, Madhya Pradesh. He was speaking on the first day of the seven days national E-Awareness programme on **“Wild Life Conservation in India: The Changing Paradigm”** organized by the Post Graduate Dept. of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme and supported by IQAC. Protected areas are governed by the law for the purpose of protecting, propagating or developing wildlife or its environment, he said. He explained the meaning of protected areas to the audience. He said the relevance of protected areas in conserving wildlife. Apart from wildlife conservation protected areas contribute to well-being of humans as well as to environment by ameliorating climate changes, global warming and keeping air healthy and breathable. He reiterated that protected areas are key to wildlife conservation and thus also needs to be safeguarded by curbing development ambitions to the dedicated area. Further he explained wild life protected areas are weakening due to relaxation in previously implemented 2006 Act.

Dr. Anita Manchandia, Professor, Chemistry Department presided over the proceedings of the programme. She focused on the role of different flora and fauna for maintaining ecological balance and every individual should take responsibility in preserving each and every species to make the governmental programmes successful.

Dr Leena Lakhani, the convener of the program submitted the thematic introduction. She said that Wildlife Week is celebrated annually across India between 2nd to 8th October with an aim to protect and conserve the flora and fauna of India. This year we are celebrating the 67th Wildlife Week and throughout the week numerous events and campaigns will be organized to make people aware about animal life and encourage them to save large number of animals. Wildlife plays a significant role in in conservation of biodiversity and helps in uplifting economy of the country through tourism. Dr. Lakhani also presented the concluding remark and together with the guest speaker resolved the queries of the participants.

Dr. H.L. Anijwal, principal presided over the workshop and Dr. Neeta Tapan, IQAC Coordinator said the participants about the institution and activities for Wildlife Conservation under Best Practice of College. Dr. Pratibha Akhand conducted the proceedings of the programme while Ms. Sheeba Khan introduced the guest speaker to the audience. A vote of thanks was presented by Mr. Dharmesh Rathore. Technical assistance was provided by Ms. Sheeba Khan and Mr. Shashwat Nigam.

03 October 2021

Conservation Story of Endemic Species Lion-Tailed -Macaque from Central Western Ghats

Conservation biology is a multidisciplinary science that emerges as a distinct discipline after several Biologists recognized accelerating global loss 'The Extinction Crisis'. The foremost intention of this is to provide principles and tools to preserve biological diversity. India is one of the 17 mega diverse countries of the world with only 2.4% of the total land area of the world. Western Ghats are Global Biodiversity hotspot and one of the most irreplaceable areas for conservation. Lion-tailed macaque (*Macaca silenus*), a primate endemic to small and severely fragmented rainforests of the Western Ghats in Karnataka, Kerala and Tamil Nadu, continues to be in the 'endangered' category in the IUCN Red List of Threatened Species.

These were the views expressed by Dr. Honnavalli N. Kumara, Principal Scientist, Conservation of Biology, Salim Ali Centre for Ornithology and Natural History, Anaikatty, Tamil Nadu. He was speaking on the topic "**Conservation Story from the Central Western Ghats**" on second day of the seven days national E-Awareness programme on "Wild Life Conservation in India: The Changing Paradigm" organized by the Post Graduate Deptt. of Zoology and Biotechnology and IQAC of Government Girls' P. G. College Ujjain under MPHEQIP World Bank Scheme.

He further added that as per the technical report, the total wild population of the lion-tailed macaque could be about 4,000 individuals consisting of less than 2,500 mature individuals, made up of 47 isolated sub-populations in seven different locations in the three States. The population is expected to suffer an estimated decline of over 20% in the next 25 years due to varied reasons including hunting, road kills and habitat loss. The various challenges for conserving lion-tailed macaque includes fragmentation of its habitat, road and electric network hunting pressure and relocation of commensal animals. At last he concluded by appreciating the efforts of government in conserving the various endemic species of the western Ghats in which Lion tailed macaque play an important role for biological conservation as they disperse seeds of fruits and plants they consume and affect the predator populations, as items of prey, is also a beauty of nature.

Dr Leena Lakhani, Professor of the Zoology and Biotechnology Department and the convener of the program presented the concluding remark and together with the guest speaker resolved the queries of the viewers.

The programme was presided over by principal Dr. H.L. Anijwal. The conduction of program was done by Mr. Shashwat Nigam. Ms. Sheeba Khan introduced the guest speaker to the audience, while vote of thanks was presented by Dr. G.D. Agarwal.

Madhya Pradesh on the Path to Become Wildlife Rich State

04 October 2021

The conservation of biodiversity in India was enshrined in the national wildlife action plan 1983 (revised 2017-2031) to save endangered and migratory species. It emphasizes to create a network of protected areas to cover at least 5.6% of the geographical area of the country to ensure ecological security. The efforts done in wildlife management comprise of wildlife Rescue, Rehabilitation, re-Establishment of locally extinct species in their original habitats, raising orphaned cubs of endangered species and translocation surplus species to deficient area said Dr. Suhas Kumar, IFS, Former PCCF, Bhopal, Madhya Pradesh. He was speaking on the day-3 of the week-long national E-Awareness programme on “**Wild Life Conservation in India: The Changing Paradigm**” organized by the Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme and supported by IQAC. A habitat is the array of resources, physical and biotic factors that are present in an area, such as support for food, shelter and for breeding purposes of a particular species. The factors like encroachment of grasslands, congestion of woodlands, lack of perennial and inappropriate distribution of water can destruct habitat of a particular species. Madhya Pradesh has successfully managed to safeguard its most critical tiger habitats over the past 45 years and is an exemplar for other states wishing to secure the future of its tiger-bearing forests, he added. He focused on the various efforts made by Madhya Pradesh government in wildlife conservation through examples of Kanha tiger reserve and Sanjay tiger reserve. Madhya Pradesh has developed a very efficient crime investigation unit, which has been very active since 2013, he added. He concluded by saying that there is a need for including ecological concerns in development planning and ecological restoration alone will not work for conservation of wild life.

Dr Leena Lakhani, the convener of the program presented the concluding remark and together with the guest speaker resolved the queries of the viewers.

The programme was presided over by principal Dr. H.L. Anijwal. The proceedings of the programme conducted by Mr. Shashwat Nigam. Ms. Neha Koshti introduced the guest speaker and vote of thanks was presented by Dr. Pratibha Akhand.

Superstitions and Myths: A Disaster for Wildlife Conservation

Batagurbaska Battles Against Extinction in the Wild

05 October 2021

Worldwide, humans are causing radical environmental changes leading to biodiversity harm at regional and global scales. The rate of species loss will accelerate in the coming decades while at same time some of the species will become over-crowded due to superstitious beliefs of humans said Dr. Sanjeev Kumar, Former Director/ Scientists, Desert Regional Centre, Zoological Survey of India, Jodhpur. He was speaking on the fourth day of the week-long national E-Awareness programme on “**Wild Life Conservation in India: The Changing Paradigm**” organized by the Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme and supported by IQAC. He further said that a large number of people feed pigeons for religious reasons and perhaps think that this helps in washing away their sins. Such artificial feeding has led to overpopulation of pigeons that is much beyond the carrying capacity of any place and also the pigeon antigen creates certain respiratory disorders in the humans. Similarly, peoples also feed milk to the snakes due to their mythological belief which may result in its demise. However, they need to understand that how these superstitious beliefs not only cause harm to the individual species but also create disturbances to the whole ecosystem and leads to biodiversity crisis, he added. He also suggests to follow basic principles of wildlife conservation by taking an example of resource partitioning. At last, he concluded by making an appeal to the participants that if we have to make our society prosperous and healthy, we must test these superstitions and misconceptions on a logical and scientific ground.

The second guest speaker of the day Mr. Prasanta Kumar Pandit, IFS (Retd.), Former CCF, West Bengal said about the conservation efforts in Sundarbans tiger reserve with special reference to *Batagurbaska*, a northern river terrain. He elucided that the Sundarban is the largest contiguous mangrove patch in the Globe, a world heritage site of the west Bengal and provides diverse habitats for several hundreds of flora and fauna and contains 60% of the India's mangrove area and 90% of the total mangrove species found in India including many rare species. He further said that *Batagurbaska* is a 60-cm-long turtle that is allegedly extinct in several Southeast Asian countries, is classified as critically endangered by the International Union for Conservation of Nature (IUCN) in its Red List of threatened species. In India, this species was once known to occur in the forests of West Bengal. For the conservation of the sub-population of *Batagurbaska* Sundarban Tiger Reserve and the Turtle Survival Alliance launched a modest conservation breeding program for its conservation, he added.

Dr Leena Lakhani, the convener of the program presented the concluding remark and together with the guest speakers resolved the queries of the audiences.

The programme was presided over by principal Dr. H.L. Anijwal. The proceedings of the programme were conducted by Dr. Pratibha Akhand. Mr. Shashwat Nigam introduced the guest speakers to the audience and vote of thanks was presented by Ms. Sheeba Khan.

06 October 2021

Beauty of Birds as Aesthetic Value of Wildlife

Fifth day of National E-Awareness Programme on “Wild Life Conservation in India: The Changing Paradigm”

With their natural habitats disappearing at an alarming rate, several birds are struggling to find out their respective habitats. India shares about 13% of the total birds' species out of the 10,000 species reported in the world, said avid birder Ajay Gadikar, Member of IUCN, Indore. He was speaking on the topic “Avifauna Documentation Through Citizen Scientist Initiatives in M.P.” on fifth day of the week-long national E-Awareness programme on “Wild Life Conservation in India: The Changing Paradigm” organized by the Dept. of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme and supported by IQAC.

He further said that many birds are displaying a drastic change in their behaviour and shifted from their natural habitat were found nesting in a hole on residential building at a height of several meters from ground with apparently no water body present nearby. All these changes show that these birds are struggling to survive in the city. If they do not adapt to the changing conditions, they would disappear from the city, said Gadikar. He also focused on the efforts by the government and said that the Forest Department of Madhya Pradesh is collating the information on the Avid-fauna by organizing bird surveys with the help of citizen scientist. In this effort, a lot of people in the form of citizen scientists are providing their contribution. The data captured from these surveys suggest that many bird species like vulture and house sparrow which are thought to be critically endangered over a longer period are slowly increasing in number and that there is no immediate threat to their existence. They have actually shifted from urban areas to the rural areas due to the innovative designs of the apartments and buildings. He said that being a citizen scientist I observed Indian Grey Hornbill nesting in urban landscapes of Indore City exhibiting shifts in seasonality and nest-site adaptability.

Dr. Leena Lakhani, the convener of the program remarked about the role of birds in an ecosystem. She further elaborated that the birds occupy many levels of trophic webs, from mid-level consumers to top predators. Like other native organisms, birds help in maintaining the sustainable population levels of their prey and predator species and, after death, provide food for scavengers and decomposers. Due to their distinguished characteristics, they are often considered as nature's 'clean-up crew'. Some birds play a role of keystone species and are ecologist's favourite tools as their presence in an ecosystem provides the indication of other species indirectly. Besides ecological role birds also perform vital economical role by boosting the economic value of the country as they offer food and attracts visitors by providing aesthetic value to the wildlife, she added.

Dr. Leena Lakhani conducted the proceedings of the programme and together with the guest speaker resolved the queries of the audiences. The programme was presided over by Principal Dr. H.L. Anijwal .

07 October 2021

Conservation of Gangetic Dolphin: The National Aquatic Animal of India

The Gangetic River dolphin is India's national aquatic animal. They are a flagship species of the river ecosystem and its conservation is crucial to the welfare of the river ecosystem. They are listed as Endangered on the IUCN Red List, and are found only in the shallow, turbid rivers of the Indian subcontinent (India, Bangladesh and Nepal). They are almost blind and continuously emit high-frequency echolocation clicks to sense their environment, navigate, and locate prey. Human induced environmental factors such as illegal poaching, water pollution and lack of awareness should be checked in order to improve the overall aquatic habitat, said Dr. Gopal Sharma, Scientist –E & Joint Director, Zoological Survey of India, Government of India, Patna, Bihar. He was speaking on the sixth day of the seven days National E-Awareness programme on "**Wild Life Conservation in India: The Changing Paradigm**" organized by the Department of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme and supported by IQAC. He further elaborated that the Gangetic River dolphin is one of the four freshwater dolphin species in the world. It is at the apex of the aquatic food chain and its presence in large number symbolizes good biodiversity and balanced ecosystem. He emphasized that the Gangetic dolphins are primarily poached for their oil and meat. The oil is used as a fish attractant by local fishermen. The effects of pollutants, under-water noise pollution, sand mining, etc. disturb their natural habitats and weakens the echolocation power. These are deleterious to dolphin population, and load is expected to increase with industrialization and spread of intensive modern practices, he added. He also focused on the efforts of government for promoting the use of an alternative to dolphin oil, curbing illegal poaching and restriction on the use of detrimental fishing nets. Vikramshila Gangetic Dolphin Sanctuary (VGDS) is the only Dolphin sanctuary in Asia which is spread in a stretch of 55 km from Sultanganj to Kahalgaon in Bihar. In the end he concluded by stressing the need to create awareness regarding its conservation among local farmers, fisherman and citizens.

Dr Leena Lakhani, the convener of the program presented the concluding remark and together with the guest speaker resolved the queries of the viewers.

The programme was presided over by principal Dr. H.L. Anijwal. Dr. K.K. Kumbhakar introduced the guest speaker to the audience. The proceedings of the programme were done by Dr. Shashi Prabha Jain and a vote of thanks was presented by Ms. Shweta Geed.

08 October 2021

Big Cats Conservation through Public Efforts and Security

Seven Days National E-Awareness programme on “Wild Life Conservation in India: The Changing Paradigm” concluded

Panna, a Madhya Pradesh district world famous for its diamond mines, has scripted a remarkable turnaround in tiger population, taking the number of big cats in its reserve to over 78 from zero, a decade ago. Once completely devoid of big cats, a time when the world's tiger population was under a serious threat, the Panna Tiger Reserve (PTR), around 330 km from Bhopal, started the Tiger Reintroduction Project in 2009 to get back Tiger in its wild zone. Now, 78 wild cats roar in the PTR, one of the six tiger reserves in Madhya Pradesh, which recently regained the status of the country's "Tiger state", said so R. Sreenivasa Murthy, IFS 'Retd.', Former APCCF, Bhopal, Madhya Pradesh. He was speaking on the topic “Panna Revival Story” on the last day of the seven days National E-Awareness programme on “**Wild Life Conservation in India: The Changing Paradigm**” organized by the Dept of Zoology and Biotechnology of GGPGC, Ujjain under the aegis MPHEQIP World Bank Scheme and supported by IQAC.

He further elaborated that the main reason behind the extinction of tigers in Panna has to be the mindless poaching by outsiders. These poachers were trained to hunt discreetly, evading the forest guards. They brutally hunted down every last tiger in Panna, until no tiger lived in the National Park. He further said that reintroduction of tigers in a forest is a hugely painstaking task, involving risk at every step. It was no cakewalk in Panna as well. India has set an example of Tiger reintroduction in various places like Sariska (Rajasthan), Satkotia (Odisha), Nauradehi (Madhya Pradesh) and Mukundara (Rajasthan), he added. The Panna Tiger Reintroduction Project was started in 2009 with 7 tigers - five females and two males - brought from Kanha and Bandhavgarh national parks. He reiterated by focusing on the need to manage adjoining areas and develop corridors to this area. He concluded by emphasising the efforts of the officials in making the local people aware by organizing camps regarding the significance of tigers' existence and forest conservation in Panna.

Dr. Leena Lakhani, the convener of the program presented the concluding remark and together with the guest speaker resolved the queries of the viewers.

The programme was presided over by principal Dr. H.L. Anijwal. The reflections on the programme were given by Dr. Neeta Tapan, IQAC Coordinator. Ms. Sheeba Khan introduced the guest speaker to the audience. The proceedings of the programme were done by Dr. Pratibha Akhand while a comprised vote of thanks was presented by Dr. Leena Lakhani. The technical assistance was presented by Ms. Sheeba Khan and Mr. Shashwat Nigam.

12/10/21

Sensitization for Disabled

Our happiness lies within us and can be found through living in the present and connecting with ourselves. We should not give the remote of our joy and peace to other people said Dr. Anita Puri Singh, Professor and Head, Department of Psychology, Govt. MLB Girls PG Autonomous College, Bhopal who was the Invited Resource Person in the National Webinar on “Art and Science of Happiness for Mental Health in an unequal World” organized by Psychology Department and Internal Quality Assurance Cell of Govt. Girls PG College, Ujjain. In her talk on the occasion of World Mental Health Day on the theme Mental Health in an Unequal World Dr. Anita Puri remarked that alike the disparities prevailing in the world there are inequalities in our inner self which can be resolved by our own consciousness. Mental health and well being gets influenced by relationships and engaging in activities which give satisfaction. She stated that Attitude of Gratitude and asking for forgiveness for our wrong deeds resolves emotional issues and bring happiness. Dr. Puri added that positive contribution to society can give purpose and happiness to life. For genetic reasons of mental problems sharing and resolving through professional counseling can

In her Presidential address Dr. Anita Manchandia said that happiness should be attached with little things for contentment and students should share everything with parents for mental peace and well being.

IQAC Coordinator Dr. Neeta Tapan gave the thematic introduction. Welcome Address and Vote of thanks were given by Dr. Nikhat Parveen Ahmed, Convener and Head of Psychology Department, GGPGC, Ujjain. Guest Introduction was give by Dr. Shashi Prabha Jain.

26/10/21

Open Access Solves Many Problems

National Webinar on Information Literacy and e-Resources for Education and Research
organized by GGPGC

National Webinar on “Information Literacy and e-Resources for Education and Research” was organized under the joint aegis of IQAC and Library of Government Girls’ P. G. College, Ujjain. Keynote speaker of the program Dr. Shankar Reddy Kole Deputy Librarian Indira Gandhi National Tribal University Amarkantak delivered a lecture on Open Access Resources for Education and Research. He said that use of Open Access is important today. Open access solves so many problems like (1) it is not possible to see all the Content on pay(2) On a certain topic different persons work in different parts of the world they know it through open access so no duplication of work is possible(3) only some people don't have monopoly in the field of information technology (4) currently It is expensive to collect all the reading material for libraries as it cost too much in that case open access is helpful. Apart from this, we can search the journals and articles of our subject through the database. You can also search books by Directory of Open Access Books. One can download Open Access and use it for studies and research only. Anyone who uses Open Access must also acknowledge it to avoid blame of plagiarism .

The second speaker of the program Dr. Ram Kumar Dangi Deputy Librarian Banaras Hindu University gave his views on information literacy. He analyzed the various dimensions of information literacy. It is essential that the right information should reach the right user. It is also important that the information be authentic. The user should know what information he needs and for what purpose so that the user can search the information with the appropriate search engine. Thus it is very important for any user to be informational literate. There are primary, secondary and tertiary sources which are to be used by the user.

In her Presidential address, Professor Dr. Anita Manchandia said that today in this era of Information Communication and Technology, it is most important to understand that E-Resources is a vast ocean, in which the choice of right and wrong and how to access it, how to use it, is a challenging job. We all got a direction from this Webinar that how we can go to open access resources and extract information for our use in our context.

In the beginning of the program, Dr. Neeta Tapan, coordinator of IQAC gave thematic introduction. The welcome address was given by the Librarian, Dr. Sunita Chauhan.

10/11/21

Role of Sociologists in Government Schemes and Policy Making Enhanced

Today there is no field of employment left untouched for the students of Sociology as Medicinal Sociology, Agricultural Sociology, Managerial Sociology, Political Sociology, Counseling on Legal and Criminal issues, are the areas of employment where the pass outs of Sociology get a preference. These were the words of Dr. Dhruv Dixit, Professor of Sociology, Kesharwani College, Jabalpur and Secretary, Madhyanchal Sociological Society. Speaking as the Invited Speaker in a National Webinar on “ Sociology and Employment” organized by Post Graduate Department of Sociology and IQAC of Govt. Girls’ P.G. College, Ujjain in collaboration with Madhyanchal Sociological Society. He remarked that the Sociologists are gaining significance in Government Schemes and Policy Making.

Co-Convener of the Webinar, Dr. Mahesh Shukla, Professor of Sociology, TRS College, Rewa stated that Sociologists can work as Family Counselors to resolve the Depression prevailing among the urban youth due to family disintegration and other pressures.

In his Presidential Address, Principal Dr. H. L. Anijwal said that the subject of Sociology is all pervasive and this E Mentoring through such Webinars can be beneficial for the students all over in the context of New Education Policy.

Welcome address and Vote of Thanks were proposed by Convener and HoD, Sociology Department Dr. Dinesh Chandra Khandelwal. College introduction was given by IQAC Coordinator, Dr. Neeta Tapan. Thematic introduction and programme coordination were done by Dr. Neeta Tiwari, Professor of Sociology. Dr. Pragya Dubey gave the introduction of the guests. Technical support was given by Mr. Vivek Dubey.

11/11/21

Study of Political Science Can Give Good Leaders to the Nation

National Webinar on “Career Opportunities in Political Science”

Political Science as a subject is very rich and encompasses the study of political culture and the thoughts of stalwarts of this discipline. The students of this subject can understand the intricacies of political systems and governance and opt for politics as a career with enlightened and rational approach. These were the words of Dr. Rashmi Shrivastava, former professor of School of Studies in Political Science, Vikram University, Ujjain who was addressing as an invited speaker in a National Webinar on “Career Opportunities in Political Science” organized by Post Graduate Department of Political Science and IQAC of Govt. Girls’ P.G. College, Ujjain under MPHEQIP, World Bank Scheme. She added that the nation needs good educated political leaders and sound knowledge of the subject of Political Science can help its students to become good MLAs, MPs and take positions in Grassroots politics to contribute to national development. Research in Political Science opens the door for teaching and other avenues as Research Associates etc. in many institutes. Becoming a teacher of Political Science on any level will keep you connected with the subject and help you inculcate values of citizenship in the next generation.

The second speaker Dr. Namita Pandey, Associate Professor, University of Delhi remarked that Political Science as a subject is very vast and covers a major portion of the syllabi of competitive exams and the fundamental understanding of the subject on graduate and post graduate levels gives an edge in such exams. Dr. Pandey also has outgrown its boundaries of providing conventional career opportunities as the structure of social and political institutions has changed drastically over the years. She said that Electoral Organizations, Good Governance bodies, Think Tanks like Niti Aayog and others give ample opportunities to the students of Political Science to gain work experience as interns and progress to key positions in data analysis and policy making options.

In her presidential address Dr. Anita Manchandia said that Political Science is a vibrant and dynamic subject which provides conventional as well as non-conventional career opportunities.

Thematic Introduction and Guest introduction were given by Dr. Nirmala Shah, Convener and Head of Political Science Department, GGPGC, Ujjain. Dr. Neeta Tapan, IQAC Coordinator gave the welcome address.

17/11/21

E-Training on Financial Literacy

Privatization has Revolutionized the Financial Product Options for Consumers

Health Insurance has huge risk coverage with tax benefits. The inclusion of Pre and Post Hospitalization expenses, Aayush remedies under government hospital, No Claim Bonus, one percent of insurance amount for room rent; two percent for ICU charges and cashless facility etc. are some notable benefits of Mediclaim Policy. However, the consumers should also be well aware of the inherent exclusion points of the policy before purchasing it in order to escape disappointment and do better crisis management. These were the words of Mr. Anoop Shrivastava, Financial Advisor who was addressing as the Resource Person in the E-Training on Financial Literacy organized by Economics Department and IQAC of Govt. Girls' P.G. College, Ujjain in collaboration with Tapan Chourey Foundation. Mr. Shrivastava remarked that financial products for saving, investment and tax benefits have diversified extensively over the years and the consumers have benefitted due to the competition posed by increasing private partners in the industry. He said that the traditional options like Fixed Deposit, Real Estate and Gold are safe options for saving or investment but are not attractive for earning substantial returns and have their limitations. While accessing Share Market through Mutual Funds is the safest form of investment with no locking period. The SIP of Mutual Funds is one such scheme which gives a monthly saving option to even a daily wage earner. He advised that an Emergency Fund should be kept to avoid using Investment Fund during a sudden crisis.

The second speaker Ms. Ankita Namdeo, Associate Partner of Aditya Birls Capital said that Insurance coverage has considerations of age, income, health status and inflation in the policies. Term Insurance covers the financial risk of uncertainty and also of old age pension. Recruitments in govt. jobs after 2007 are under non-pensionable status and so several financial products can be accessed with the help of proper financial education for future plans. The traditional financial options like Bank and Post office savings, RD, FD, NSC, PPF are subject to fluctuating rates of interest and are not profitable options. Whereas insurance has fixed rate of interest and the amount on the of maturity is pre planned besides giving the coverage for death to the nominee, if that is the case.

In her presidential address, Dr. Anita Manchandia said that financial education should be a part of syllabus so that the young generation can start their health and investment plans immediately after getting employed. Giving the thematic introduction, Dr.

Neeta Tapan from IQAC and Economics Department and TCF said that COVID raised awareness about the advantages of financial products and so financial literacy is a must for taking informed decisions about saving, investment and tax planning. Dr. Nancy Chauhan, Head of Economics Department gave Welcome Address and Dr. Nikhil Joshi gave Vote of Thanks. Technical support was given by Mr. Vivek Dubey.

18/11/21

Ancient Mathematics is Established as Modern Mathematics

National Workshop on Vedic Mathematics and Fuzzy Model Computation and Application
organized at GGPGC

A one-day national workshop was organized jointly by the AQAC and Mathematics Department of Government Girls' Post Graduate College, Ujjain on Vedic Mathematics and Fuzzy Model Computation and Applications. The keynote speaker of the program Dr. D.S. Huda Honorary Professor G.J. University of Hisar and Adviser A.B. Vajpayee Hindi University, Bhopal said that the use of 16 sutras of Vedic mathematics is helpful in simplifying the calculations. He explained this by giving example. Clarifying the misconceptions of ancient mathematics and Vedic mathematics, he said that the ancient mathematics which developed in India is recognized as modern mathematics abroad, the same was established as modern mathematics.

The second speaker of the program, Dr. Vivek Rach, Assistant Professor, Holkar Science College, Indore, explained the new branch Fuzzy Mathematics developed 75 years ago, in a simple way, and said that Fuzzy Logic Automatic Washing Machine has been made in Japan by its use. His attempt to give a new direction in the medical field by assessing a disease like diabetes using fuzzy mathematics has been awarded the Outstanding Award in China.

In the presidential address, senior professor Dr. Dinesh Chandra Khandelwal said that mathematics is being widely used in modern research work. This workshop will be very useful for the students.

The welcome address was given by Dr. Nirmala Gupta, Head of Mathematics Department. He said that the principles of mathematics are being used in all subjects. It is the basis of computer and communication. The program was conducted by Ms. Tapasya Thakur and Dr. Ankit Agrawal and Dr. Dheeraj Ahire expressed gratitude. 98 students got registered in the workshop. The program was conducted offline. Dr. Nikhil Joshi, Dr. Ranjana Wankhede, Dr. Sadhana Nirbhay, Dr. Pratibha Akhand and Dr. Saroj Ratnakar and other staff members were present.

3/12/21

Educational tour of the Department of Psychology on International Day of Disability

Today, on 03/12/2021, on the occasion of International Day of Disability, Psychology Department of Government Girls' Postgraduate College, Ujjain organized an educational tour of M.A. psychology students to the Manovikas College of Education. The educational tour of the girl students was done under the leadership of Professor Dr. Nikhat Parveen Ahmed . At Manovikas college of education students contacted the differently-abled children and various competitions organized by them in Aarohi Sopan program were reviewed.

MP Viklang Sahayata Samiti Ujjain is working for the children with intellectual disabilities since last many years. For the purpose of providing information about the activities, programs, courses to be done for the development of special children and for the rehabilitation of children with disabilities, the students of the psychology department were taken for a tour on the above so that the connection between theory and practical work and applied work could be understood by them and acquire knowledge. There was 6 girls and one professor in the tour.

4/12/21

All Round Government Support is Available for Women Entrepreneurship

Mantras for Women Entrepreneurship

If one has a skill in Handicrafts which can be culminated into a business venture, there is a support network made available by the government from the level of training and raw material supply to organizing sale exhibitions and license acquisition. After preparing Udyam Parichay on the online portal, registration on Hast Shilp Vikas Nigam facilitates government procurement of the products. In absence of lucrative retail business it is advisable to register with government sites like DC Handicraft and MSME. Artisan Card issued thereafter enables prioritization in free stall acquisition in Govt. Exhibitions and tax benefits. These were the words of Mrs. Prerna Dabhade, Founder, Swastik Mahila Udyog, Ujjain who was speaking in an E-Mentoring Session on “Mantras of Women Entrepreneurship” organized by the IQAC, Economics Department and Business Incubation Centre SYNERGY of Govt. Girls PG College, Ujjain. The Master Craft Person and Trainer Mrs. Dabhade narrated her story of starting from getting trained in Batik, Block, Tie and Dye Printing from Bhairavgarh Industry, Ujjain from Rahim Gutti ji and then making a Cooperative Society to forming Many Self-Help groups and empowering several women. These groups travelled organizing Exhibitions of their products on National and international levels from Jehangir Art Gallery to Milan Festival in Europe. She added that follow your passion instead of emulating to go far and use local resources for cost benefits. Ujjain has ample options like vegetables, poha, parmal, snacks and handicrafts for processing and branding.

The second speaker Mrs. Sumina Ligga, Founder of Neo Ma Foods, Ujjain and President of Laghu Udyog Bharti Mahila Ikai stated that how during a financial crisis in the family she started preparing pickles but couldn't recover cost due to using good quality raw material and had to shift to making tomato ketchup and supplying to hotels in Ujjain as early as in 1990s. She gradually diversified her products into thirteen products including Continental Sauce, Soya Sauce, Green Chilli Sauce etc. and developed a supply chain all over Madhya Pradesh. Mrs. Ligga said that whether initiated due to economic compulsions or passion, an enterprise yields handsome returns over a long period of perseverant journey. Food Industry does not require many government registrations and elucidated several examples of women entrepreneurs rising from scratch to become brand names in different sector. She added that there are many opportunities in repacking, relabelling and branding existing products and online business. Working through SHGs or Societies divides gains but lessens

risks. Giving mantras of entrepreneurship she said a novel idea at the right time with a 360 degree long term view and hundred percent effort can ensure success in a Start-Up.

In his presidential address IQAC Member and Senior Professor of Physics, Dr. V,K. Gupta said that access to different portals and websites should be taken advantage of younger generation for turning their skills into formal start ups.

Welcome Address was given by Dr. Nancy Chauhan, Head of Economics Department, Thematic introduction was given by organizing Secretary and IQAC Coordinator Dr. Neeta Tapan. Guest Introduction was given by Dr. Abha Dixit of Economics Department. Programme was conducted by BIC SYNERGY member Mr. Dharmesh Rathore. Vote of thanks was given by Dr. GD Agrawal, Head of Pharmaceutical Chemistry and Convener of BIC.

8/12/21

Quality and Quantity of Research in India Are Worrisome

In the context of the Vision Document of New Education Policy 2020, academics has to be supported by a strong research ecosystem and the social problems can be resolved only through interdisciplinary Social Science Research. Studies show that the not only the quality of research in India but also the quantity of research is worrisome. The three most important dimensions of research i.e. Proposal, Report and Papers involve academic writing know how. Inclusion of seminal works and a thorough up d literature review prepare the ground for the justification of the study and the roadmap for its objectives, research questions and hypotheses. These were the words of Prof. Yatindra Singh Sisodia, Director, Madhya Pradesh Institute of Social Science Research, Ujjain who was speaking as the distinguished Resource Person on the first day in a Three-Day Research Development E-Programme on Academic Research Writing in Social Science organized by Economics Department and IQAC of Govt. Girls' P.G. college, Ujjain. Speaking on the Writing of Research Proposal or a Synopsis, he stated that research methoDs in Social Science should be the means and not the end for a good research study and should be drafted accordingly. Prof. Sisodia added that stating of exact universe, randomization of sample, defining of units of observation, details of data collection and implications of research are the essential parts of writing a research proposal. He emphasized the need for stating a proper time frame and a budget estimate for a research proposal to be submitted to a funding agency for proposing diagnostic research studies. Prof. Sisodia remarked that bottom up planning is required to develop robust research methoDology and ecosystem according to the capacity of the academic premises.

In the Presidential Address Senior Professor and IQAC Member Dr. Hemant Gahlot, said that such expertise sharing by stalwarts sets the ball rolling for conducting of quality research in Higher Education institutions to some extent. Principal Dr. H.L. Anijwal motivated the Social Scientists to take up community oriented research for contribution to society besides making addition to knowledge.

Thematic introduction was given by IQAC Coordinator, Dr. Neeta Tapan. Welcome Address and Guest Introduction were given by Head of Economics Department Dr. Nancy Chauhan. The programme was conducted by Dr. Rashmi Bharagava and Vote of Thanks was extended by Dr. Abha Dixit. Technical Support was given by Mr. Vivek Dubey.

09/12/21

Research and Report Writing Carry Great Social Responsibility

Digitization has transformed the work of report writing but that does not take away the importance of the essence of quality of research which forms the very basis of the draft. The well-researched Green Revolution resolved the crisis of hunger but created disastrous health effects so this raises the question as to why such research is carried out. Whereas the publication of research papers in the past years' medical journals indicating virus mutations of type of Corona Virus lost their real value as such articles were not reported to the governments then for taking serious action. Report writing therefore has to address issues of justification of the study and need for publication. These were the words of Prof. Deepak Kumar Verma, Director and Dean of Social Science in Bheem Rao Ambedkar University of Social Science, Mhow who was speaking as the distinguished Resource Person on the second day in the Three Day Research Development E-Programme on Academic Research Writing in Social Science organized by Economics Department and IQAC of Govt. Girls' P.G. college, Ujjain. Speaking on the Writing of Research Report, he stated that a research report should be published provided there is a systematic and original contribution made by the researcher. Prof. D.K. Verma gave an acronym POEM for Philosophy, Ontology, Epistemology and Methodology as lamp posts on the road of research and publication. He emphasized that reporting requires good review of literature and not the author so that the variables derived can form the language of research. Proper Citations are a means to escape the crime of plagiarism and engage into a passionate journey of ethical research. Prof. Verma cautioned the research scholars, Supervisors and Research Project Directors against frivolous handling of report or thesis writing to avoid recovery of funds or cancellation of research output.

In the concluding remarks Dr. Hemant Gahlot said that linking research work, degree and promotions with financial incentives led to the deterioration of quality of research in Higher Education Institutions. In his presidential address Principal Dr. H. L. Anijwal remarked that research is an integral part of academics and should be conducted and published with a sense of responsibility. Thematic introduction was given by IQAC Coordinator, Dr. Neeta Tapan. Welcome Address and Guest Introduction were given by Dr. Rashmi Bharagava. The programme was conducted by Dr. Abha Dixit and Vote of Thanks was extended by Dr. Nancy Chauhan. Technical Support was given by Mr. Vivek Dubey.

10/12/21

Good Research Article Requires Technical Skills

Writing of a research paper besides giving the tangible benefits of professional gains also gives a chance to improve writing skills, disseminate knowledge created by the research scholar in the academic world and to pay back to the society. The writing Methodology is decided by the type of paper as to whether it is a conceptual paper or an Empirical Paper. The Conceptual paper uses the secondary data or analyses the existing theories and perspectives so the Literature Review and Discussion assume greater importance. While an empirical paper is an outcome of a field study so the Methodology, data analysis, hypotheses testing, interpretation, graphs, tables are predominantly mentioned in it. Dr. Tapas Kumar Dalpati, Assistant Professor, Madhya Pradesh Institute of Social Science, Ujjain who was speaking as the distinguished Resource Person on the third day in the Three Day Research Development E-Programme on Academic Research Writing in Social Science organized by Economics Department and IQAC of Govt. Girls' P.G. college, Ujjain. Speaking on the Writing of Research Article/Paper he stated that an abstract should be a standalone prelude of the paper and the keywords should enable effective online retrieval of the article. He said that systematic structure and references which include in text citation, foot notes, end notes are important for any kind of research writing for authentic citations, avoiding plagiarism and acceptance for publication in good journals. Thorough knowledge of the journal and abiding by its prescriptions for authors are essential to avoid chances of rejection of the paper. Correct language and result based conclusions are prerequisites of a good paper which should undergo peer review for constructive criticism and improvements before sending for publication.

In the presidential address Dr. Hemant Gahlot said that research and academic writing have come a long way since physical library visits and hard copies of literature to virtual review of E-resources. But this easy access to reading material has also been accompanied with stringent standards of research and publications. Hence such training programmes are essential for the scholars. Thematic introduction was given by IQAC Coordinator, Dr. Neeta Tapan. Welcome Address and Guest Introduction were given by Dr. V.K. Gupta. The programme was conducted by Dr. Samina Qureshi and Vote of Thanks was extended by Dr. Nancy Chauhan. Technical Support was given by Mr. Dharmesh Rathore.

10/12/21

International Webinar on Human Rights and Society

Human Rights gives us the right to fight all kinds of inequalities said, Dr. Aseem Hasnain, Bridgewater State University, California USA. He was the keynote speaker of a one-day international Webinar organized by Department of Sociology, Government Girls' P.G. College, Ujjain on the occasion of Human Rights Day. Dr Hasnain said that, initially when human rights were talked about, what was called 'Human' was not clearly defined in it because equal rights were not given to men, women and people of other genders, but now human rights provide us the authority to challenge all discriminations.

The second speaker of the program Dr.Sanjay Mishra, Adigrat University Ethiopia said that if all the people stop considering each other as high or low, then no one's rights will be violated. He explained this thing from Manusmriti to Gandhiji's concept of trusteeship and said that if a person wants to understand human rights, then he has to give importance to the rights of others. If all the person lives in harmony with the climatic conditions around them and everyone else, then human rights will not be needed.

The concluding speaker of the program, Professor A.N. Sharma, Professor, Department of Anthropology, Dr. Harisingh Gour University, Sagar, said in his statement that if there is no discrimination, exploitation, corruption, violence and intolerance in the society, then the rights of the individual will be protected. Any kind of litigation in the society, whether it is casteism, religion or regionalism, affects human rights, of which communalism is most sensitive.

The Principal of the college Dr. H.L. Anijwal expressed gratitude towards all the speakers for pointing their attention to the relevant topics of the present times. Dr. Hemant Gehlot summarized the Webinar while Dr. Neeta Tiwari conducted the proceedings of the programme. Dr. Neeta Tapan, IQAC Coordinator gave thematic introduction and Dr. Dinesh Chandra Khandelwal, Head, Department of Sociology and the convener of the Webinar, welcomed the viewers and proposed a vote of thanks.

14/12/21

Democracy can be saved only by adopting constitutional values.

National Webinar on Role of Constitutional Values in Indian Democracy Organized at
GGPGC

Democracy can be saved only by adopting constitutional values. There is a difference between constitutional limits and popular limits, it is necessary to bridge this gap. Our ideals are the product of freedom struggle and today we are moving away from them. Today constitutional values are being neglected in all democratic institutions. Dr. Rajan Jha Assistant Professor Delhi University expressed the above words as the first keynote speaker in the national Webinar organized by IQAC and Political Science Department of Government Girls Postgraduate College, Ujjain.

The second speaker of the program Dr. Vimal Kumar Assistant Professor Allahabad University expressed his views on how constitutional values can be maintained in rural environment. He mentioned that today constitutional values are being attacked which has to be stopped.

IQAC Coordinator Dr. Neeta Tapan said that it is a matter of pride to have such Webinars on the Constitution at the Center of Excellence. He also presented the introduction of the college.

Senior Professor Dr. Anita Manchandia in the presidential address said that our constitution is the most comprehensive constitution in the world and it is imperative to uphold its values. Dr. Nirmala Shah, Head of the Department of Political Science and Program Coordinator, gave guest introduction and welcome address. While enforcing the topic, he said that the constitutional values given in the Preamble of the Indian Constitution are very important. 470 amendments have been done till 2021, which is a symbol of the fact that the constitution is dynamic. Dr. Hemlata Chauhan conducted the program effectively. Dr. Bharti Jain expressed vote of thanks.

18/12/21

We Should Adopt Three Portion Diet for Being Healthy and Energetic

GGPGC organi National Webinar on Health, Energy and Three Portion Diet

We Should Adopt Three Portion Diet for Being Healthy and Energetic. This diet include taking Fruits, Vegetables and Cooked Food in equal proportion. Our health deteriorates due to intake of unfavorable food and it can be cured with food itself. Our food is our medicine. We eat Macro and Micro nutrients .The Macro nutrients are Protein, Fat and Carbohydrate that we consume in bulk. While Micro nutrients are vitamins and minerals that we consume in small amounts. The study done internationally from 1970 to 2006 by scientist Dr. T. Colin Campbell on eating habits of healthiest persons in the world revealed that plant based diet is better than animal based diet. The book Water by Batman says that if we are dehydrated for a longer time then we fell sick. All types of pain are mainly due to dehydration. These were the words of Shri Hari Singh Choudhary nutrition therapist of Nutrition Life Circle organization as a resource person in the National Webinar on Health , Energy and Three Portion Diet organized by IQAC, Physics, Computer science and Statistics Departments under MPHEQIP of world bank.

He further added three noble winning science of 1998, 1999 and 2016 showed that body produces miracle molecule Nitric Oxide NO, Coding signal found in protein and Autophagy respectively. He elaborated these things and said that we should eat raw fruits and vegetables, plant based protein and avoid fast food.

Principal Dr. H.L. Anijwal said that food habits control our health and one should not take it lightly. Balanced diet make us physically and mentally strong.

In the presidential address senior professor Dr. Dinesh Chandra Khandelwal said that the importance of diet was beautifully explained by Dr. Hari Singh Choudhary and he gave a new insight of three Portion diet.

IQAC coordinator Dr. Neeta Tapan introduced the college and presented a brief account of programs done on nutrition and health in the past by college.

Program convener Dr. Vinod Kumar Gupta HoD Physics and coordinator of Computer Science & Statistics Deptts. introduced and welcomed the guest and presented thematic introduction of the Webinar.

Dr. Mangleshwar Thakare presented vote of thanks. Dr. Pooja Vinodia conducted the program. Dr. Aarti Ojha and Shri Saeed Patel conducted question answer session. Shri Vivek Dubey gave technical assistance.

21.12.21

Webinar on Parliamentary Procedure in India organized at GGPGC

Political Science Department and IQAC of Government Girls Postgraduate College, Ujjain organized National Webinar on Parliamentary Procedure in India.

First subject expert Dr. Pushendra Kumar Mishra Assistant Professor Political Science DNPG College Galwahati UP said that the meaning, history and importance of Parliament is very invaluable in Indian democracy. You said that the word Parliament originated from the General Council of the German era. You have explained the process of Parliament in detail. Various phases such as question hour, Zero Hour have been explained.

Webinar's second subject expert Dr. Akhilesh Pal Assistant Professor Political Science Ishwar Saran PG College Prayagraj, U.P. Analyzed the legislative process of Parliament. Various resolutions passed in the Parliament, especially the no-confidence motion process was explained.

The Webinar was presided over by the Principal of the college, Dr. HL Anijwal. He said that India is the world's largest democratic country carrying out the parliamentary process.

IQAC Convenor Mr. Neeta Tapan presented the introduction of the college.

Welcome speech and guest introduction was given by Dr. Nirmala Shah, Head of Department and Webinar coordinator. As a subject originator, you said that the idea of the Parliament of India has been taken from the UK, but there is a lot of difference in the process, the Supreme Judiciary of India has the right to interpret the laws. Dr. Bharti Jain conducted the program and Dr. Hemlata Chauhan expressed gratitude

21.12.21

Educational Tour

In an attempt to bring awareness among the students regarding habitat and environmental conservation, an educational tour were organized by Department of Zoology and Biotechnology, Govt. Girls' P.G. College, Ujjain comprising of 69 students. Students along with their teachers visited Planetarium (Tara Mandal), Ujjain; Reptile Conservation and Research Centre (RCRC), Ujjain and Navlakhi Eco Tourism Park, Ujjain. The tour was convened by Dr. Saroj Ratnakar, Assistant Professor, Department of Zoology.

The first place to visit was Planetarium (Tara Mandal), where students enjoyed a fascinating show which takes the learners on a journey through space. The show presents some incredible facts about stars and the Moon, our nearest neighbour, and let the students discover how important is to understand the universe.

Then the team visited Reptile Conservation and Research Centre (RCRC), Ujjain where Mr. Mukesh Ingle, Herpetologist & Wildlife Biologist, Founder Director of RCRC said students about the myths and facts about reptiles by focusing on snakes. He said that the snakes are integral part of our ecology as they are very important constituent of food chain. A snake like any other creature is harmless, if not attacked or troubled. They may bite in their self-defense, if they sense any danger or threat and requested everyone to treat them with due care and maintain a safe distance. He together with his team also demonstrated the rescue operations of lives snakes and aware the students regarding snake bites and its first aid.

The tour was concluded at Navlakhi Eco Tourism Park, Ujjain, a refreshingly and wonderful place where the students explored, learnt and gained a vital experience in nature. The soothing sounds of nature were appreciated by the students and they educated themselves about various species of birds and animals.

24/12/21

Mathematics Model Exhibition Organized in GGPGC

On the occasion of National Mathematics Day on 22 December IQAC and Mathematics Department of Government Girls' P.G. College Ujjain organized Mathematics Week. During this week various programs were organized such as Webinar , Quiz, Rangoli, Essay and Mathematical Models competitions. A Mathematical Model exhibition was inaugurated by principal Dr. H.L. Anijwal. He said that this model making competition generated interest in Mathematics and creativity both.

Total 36 models in Static and Dynamic categories were prepared by 87 students of B.Sc. I, II, III. Dr. Anita Manchandia, Dr. Rashmi Bhargav, Dr. Vinod kumar Gupta judges the models

In the working model category model named Day of Any Year by Chanchal Anjana and Team got first position, model Polygon by Nosheen Fatema, Aasha Chouhan and Alka Giri got second Prize model clinometers by Sakshi Dod and Preeti Yadav ,Shobha Kunwar ,Kavita Kunwar also got second position. Group of Amisha, Vishakha, Varsha and Mayuri were placed on third position.

In the Non-Working static model category model named Trasin of Graphy Theory by Shweta Patidar, Anamika Pal, Aradhana Nayama, Khushi Nagar got first positon, model Geometrical shapes park and House of Mathematics and Mensuration by Vinita Jatwa, Sujata Gond, Nareshi Meena, Nikita Fuleria, Gyatri Bharti and Vandana Sisodia ,Megha Jaisawal ,Shana Ranade, Neelam Verma were awarded second prize, Model Geometry sh apes, Basic Trigonometry by Rimjhim, Baragi, Payal Parmar ,Hemlata Pawar, Riya Soni Khushi Rathore , Sanjana Malvya got third position.

Consolation prizes were also given in both categories.

28/12/21

Mathematics week organized by Department of Mathematics at GGPGC

Mathematics week was organized by the Department of Mathematics and IQAC of Government Girls Postgraduate College, Ujjain to commemorate the 134th anniversary of Mathematician Srinivas Ramanujan. Various programs were organized under this.

Essay writing competition and poster competition were organized on 20th December. Vinita Sharma B.Sc in Essay Competition First year and Palak Sharma B.Sc. Third year first prize and Arshiya Khan B.Sc. First year and Shivani Prajapati B.Sc. Second year got second prize.

Rangoli competition was organized on 21st December, in which the students showed the signs and formulas of mathematics. First place Neelam Sindal B.Sc. 1st year and Anshita Begde B.Sc. Was the third year. Chanchal Anjana and Muskan Khan B.Sc. The third year secured second place.

An online expert lecture was organized on 22 December in which Dr. Omprakash Associate Professor, Department of Mathematics, IIT Patna on Sum Applications of Abstract Algebra and Dr. Preeti Gupta, M.I.T. Moradabad Ramanujan Menzick No. But gave an interesting lecture which the students liked very much.

In this sequence, on 23rd December, Dr. Jyoti Atulasthapak Bharatiya Vidyapeeth College of Engineering Pune on Innovative Approaches in Real Life and Priyanka Sharma Research Scholar I.T. Patna provided very useful information about Higher Studies in Mathematics and Research.

The online Mathematics model competition was organized on 23rd December. A large number of students took part in it. In this, Shweta Patidar, Anamika Pal, Aradhana Naymas, Khushi Nagar secured first position in non-working model. Vinita Jatwa, Sujata Gond and Naresh Meena secured the second position. In working model, Chanchal Anjana got first position and Noshin Fatuma, Asha Chauhan, Alka Giri and Sakshi Dod, Suhana Kuwar and Kavita Kuwar got second position.

On 24th December, Mathematics Department organized Quiz Competition and Career Counseling. In this competition Jayanshi Sharma, Divyani Meena and Chanchal Anjana secured first, second and third positions respectively.

Principal Dr. HL Anijwal presided over the programs of the entire Mathematics Week. He said that mathematics is an important subject for the students of science, on this it is a very useful program. IQAC convener Dr. Neeta Tapan said that such an event is part of innovative learning. The above information was provided by program coordinator Dr. Nirmala Gupta, Head of Department, Mathematics. He said that Mathematics week has been organized for the first time in the college. Dr. Dhiraj Ahire, Ankit Agarwal and Tapasya Thakur provided technical support. The program was conducted by Kadambini Chauhan, Amisha Jaiswal B.Sc. Did the third year. Thanks Bulbul Prajapat

27/2/22

National Online Workshop on Innovative Experiments in Physics NWIEP-22

Through Innovation Basic Science of Micro Level can be visualized at Macro Level

Dr. Babulal Saraf Memorial National Online Workshop on Innovative Experiments in Physics (NWIEP-2022) was organized by Physics, Computer Science, Statistics Departments and IQAC of Government Girls' P. G. College Ujjain in collaboration with Indian Association of Physics Teachers chapter IAPT RC-9 under Aajadi Ka Amrit Mahotsav as part of 4 days National Science Day celebration. The program was sponsored by World Bank Project scheme MPHEQIP.

Resource person of the online workshop Dr. Y. K. Vijay Director of Centre for Innovation in Science IIS University Jaipur and president of IAPT RC-6 chapter first displayed a video about the life and work of late Dr. Babulal Saraf a renowned scientist who developed several innovative experiments including a Multichannel Pulse Height Analyzer first time in the country. Dr. Saraf established CDPE Jaipur, PEP Ratlam and ISLE at IPS Indore for laboratory education.

Dr. Y.K. Vijay thereafter showed 15 different innovative experiments developed by him. These include Basic interactions in nature, Plasma production, Free fall, Mass and Density, Coupled oscillator etc. The remarkable experiments that show Quantum Science in visible region at macro level were liked most by the students. Van der Waal interaction and Bohr condition are few others that attracted audience. He satisfied the queries raised during question answer session. He said that through innovative experiments basic science of micro level objects can be explained easily.

Dr. Uttam Sharma Secretary of IAPT RC-9 chapter said that our object is to develop scientific culture among students and motivate them through educational activities for better understanding specially physics.

Dr. H. L. Anijwal principal of the college extended his good wishes and said that such workshops inculcate scientific temper in the students. Senior professor Dr. Anita Manchandia in her presidential address said that after a long time students come across such a workshop in which difficult physics principles are explained in play- learn and joy mode. This helps in memorize with small effort. IQAC Coordinator Dr. Neeta Tapan presented a brief account of the achievements and activities of the college. She said that such workshops are booster dose for the students. Convener Dr. Vinod Kumar Gupta introduced the guests and conducted program. Dr. Rekha Shahapurkar presented vote of thanks. Shri Saeed Patel and Shri Deepak Namdeo conducted question answer session.

12/321

Visit to PG Tech Research Institute by GGPGC students

An educational tour was organized for students by the Department of Chemistry and Pharma Chemistry, Government Girls Post Graduate College, Ujjain to PG Tech Research Institute, Indore. The technical staff of PG Tech Research Institute provided a Lab Session on the working and usefulness of instruments like HPLC, UV Spectrophotometer, Freeze Dryer, Concentrator, Muffle Furnace etc. The Convener of the tour and Head of Chemistry Department, Dr. Anita Manchandia said that this visit helped the students to learn about newer equipment, get a hands-on brief practical session and explore the research avenues. Mr. Dharmesh Rathore, Dr. Neha Tripathi, Afreen Ali, Surbhi Shukla, Kismat Tomar and Rambaran Singh coordinated this tour of 47 students.

4/3/22

Industrial Tour Organized by Physics Department of GGPGC

Industrial tour of students of B.Sc. final year Mathematics group was organized by Physics Department in collaboration with Mathematics Department to Maxi road Udyogpuri and Vikram Udyogpuri Ujjain. Students visited Arpit plastic Industry and knew about the various processes. Dr. V. K. Gupta HoD physics and Dr. Nirmla Gupta HoD Mathematics explained Entrepreneurship to the students. Dr. Manglesh Thakare also participated in the tour.

15/3/22

Computer Training for Students

On 15th March 2022 a Computer Training in Graphics and Web Design organized by computer Department and IQAC of Government Girls' P.G. College Ujjain under MPHEQIP of World Bank Project concluded. Principal Dr. H.L. Anijwal in his presidential address said that such training enhances the employability skill of the students. We are happy to note that students enthusiastically participated in the training and completed it. Trainer Shri Vidit Mathur and Shri Madhusudan Kanadi presented the brief account of the training program. Students showed their task to the principal and other guests. In the beginning convener Dr. Vinod Kumar Gupta welcomed the guests. IQAC convener Dr. Neeta Tapan said that this training is according to the trend of the department and much useful to the students. Shri Deepak Namdeo gave vote of thanks. In the program Dr. Dinesh Chandra Khandelwal, Dr. Manglesh Thakare, Dr.Rekha Shahapurkar, Dr.Pooja Vinodia, Shri Saeed Patel were present.

17/3/22

National Webinar on Shunya Chhaya Diwas (Zero Shadow Day)

On 17th March Physics, Mathematics, Computer Science and Statistics Departments and IQAC of Government Girls' P.G. College Ujjain organized National Webinar on Shunya Chhaya Diwas (Zero Shadow Day) . Main speaker of the program Dr. Rajendra Prakash Gupta Superintendent of Jiwaji Vedshala (Observatory) gave a power point presentation on the subject. He said that Zero Shadow day is not same for all places. It varies from place to place. It occurs when latitude and Sun's declination at a particular place becomes same. On the Tropic of Cancer on 21st June and on the Tropic of Capricorn on 22 December zero shadow day occurs. On that day its time is Mid-Day i.e. 12th noon according to local time of the place. This can be seen with the help of Shanku Yantra installed in the observatory or using a simple stick which is erected exactly vertical to the ground. Zero shadow day occurs on places located between the two tropics only. He also explained GMT, IST and Local time. He answered the questions of the audience. In answer to a question he said that Ujjain is in the centre for time measurement. At present Allahabad located at 82.5 degree East is Indian Standard Time. Ujjain is located at 75 degree East and its latitude is 23.5 Degree North.

In her presidential address Principal Dr. H.L. Anijwal said that many of us wants to know the mystery of zero shadow and other events based on planetary motion. This occasion clears doubts. IQAC coordinator Dr. Neeta Tapan narrated the activities of the college. Convener of the program welcomed and introduced the guest.

21/3/22

**The process of socialization makes a man social living being
Special lecture by Dr. Shailendra Vyas at GGPGC**

A special lecture was organized by the Sociology Department of Government Girls' P.G. College, Ujjain and IQAC under the Academic Excellence Scheme of the World Bank Project, in which keynote speaker Dr. Shailendra Vyas, retired professor of sociology, gave a concise narration on the subject of socialization to the students. He said that the process of socialization teaches role-playing according to the situation. The family is the primary school of socialization of the child. The mother inspires the children to work by the act of her displeasure as part of the process of socialization. Educational institutions are an important medium of socialization. The Corona period disrupted the process of socialization. This process is relative to time and place. The behavior of the child is controlled by teaching him the values accepted by the society. Cooperation, love, affection, kindness, sacrifice are all learnt through socialization. Dr. Vyas answered the questions asked by the students. Head of the Department Dr. Dinesh Chandra Khandelwal gave the introduction and welcomed Dr. Shailendra Vyas. Dr. H. L. Anijwal in his presidential address said that individuals and society are inseparable. Vote of thanks was given by Dr. Neeta Tiwari. Preliminary preparation for a disciplined, systematic lecture was explained to the students by the guest scholar Mrs. Sarla Akhand.

23/3/22

Lecture on Recent Trends in Microbiology

Microbiology , botany and IQAC of Government Girls' Post Graduate College Ujjain, organized a lecture on the topic "Recent Trends in Microbiology" under World Bank Scheme MPHEQIP. Main speaker of the program was Dr. Ashib Gupta. He said the importance of superbugs, uncultivable bacteria, Cryo Microscopy. How we can get the 3D structure of the protein and making antidote we can cure disease. He explained the importance of microbial fingerprint after fingerprint in forensic microbiology, as well as how Greenland's snow-white sheet is turning into black sheet and how it is becoming a threat to the environment. Initially, the welcome address was given by Dr. K.K. Kumbhakar, Assistant Professor, Department of Botany and in his remarks, he said that it is very important to have lectures on such various current topics in the Department of Microbiology and Botany so that the awareness of the subject remains in the students. Spend more time with the teacher so that they can take advantage of the teacher's experiences. In the lecture, coordinator of IQAC Dr. Neeta Tapan, guest scholar of microbiology and biotechnology, Sakshi Sardana and Shiba Khan, a total of 106 students of first, second and third year B.Sc., took advantage of the lecture.