

MAKING FUTURE READY! MAKING FUTURE READY! MAKING FUTURE READY!

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NEWSLETTER OF MANDSAUR UNIVERSITY

NOVEMBER 2021









Art of Small Talk-Language & Literary Club





VISION

Harness the power of education to play a transformational role in the development of the nation. To nurture intellectual capital with a vision and purpose to create leaders of change.





MISSION

Emerge as a leading centre of academic excellence, involving research and consultancy while adopting innovative strategies of industry integration to create value-driven, responsible and future-ready professionals, entrepreneurs and innovators.





GOALS

To unleash full human potential by offering cutting-edge and comprehensive learning programs.

To promote a culture of innovation and contribute to the creation of new knowledge.

To create opportunities for industry - academia collaboration.

To facilitate industry readiness and knowledge application for effective contribution in the development of our nation.

To provide opportunities for entrepreneurship.

OUR LEADERS



SHRI NARENDRA NAHATA Chancellor Mandsaur University

Shri Narendra Nahata has been designated as the Chancellor of Mandsaur University. He was a Cabinet Minister for 10 years in the Government of Madhya Pradesh and held portfolios of Commerce and Industries, Technical Education and Manpower Planning, Rural Industries, Commercial Taxes and represented Manasa assembly constituency. He is credited to have transformed technical education of the state. He is the founder of BR Nahata Smriti Sansthan.

B.R. Nahata Smriti Sansthan has made Mandsaur its hometown, hub of professional education wherein more than 4000 students are studying.

It's his firm belief that education is one of the most crucial components of human resource development having potential for adding value to products and services, thereby improving the quality of life of people. The efforts so far have been very supportive for the recent phenomenal growth and the Socio-economic and Human Development of the nation.

He is also the founder of Smriti Nagrik Sahakari Bank, which is one of the best and biggest Urban Cooperative Banks of Madhya Pradesh.

A widely traveled person, having visited more than 20 countries. Narendra Nahata was invited by the British Government for higher education in UK. He was invited by the Government of Germany to study institutions run by them in countries of South Asia.



MR. RAHUL NAHATA

B.E.,MBA,FLMI
Executive Chairman
Mandsaur University

Mr. Rahul Nahata is a visionary and dynamic professional chieftain to serve as the Executive Chairman of Mandsaur University. He has a strategic vision and leadership quality for developing interdisciplinary education across the university. He received the United States of America Presidential award in 1992. He has a prior experience of working with renowned companies like Tata Consultancy Services and Vikram Ispat. He has stint with several organizations in various countries like U.S.A, Thailand, Hong Kong, Singapore and Germany.

He has an exemplary vision towards education to mould youngsters into Millennium Leaders not only in Technological and Scientific fields but also to nurture and strengthen the innate goodness and humane nature in them.





Children's Day Celebration



Faculty of Life Sciences had organized the Children's Day Celebration on 13th November 2021. Children's Day is celebrated each year on November 14 in India as a tribute to the country's first Prime Minister Pandit Jawaharlal Nehru. The program started with a welcome speech delivered by Prof. (Dr.) Arunava Das, followed by a variety of fun activities and games like a balloon blowing completion pass the action, movie dialogue translation, balloon race, singing, acting, etc.

The main objective of the event was to create a healthy and happy environment and involve them to interact with their fellow mates. The program ended with light refreshments and some valuable gifts like pens and chocolates etc for all the students. All the faculty members were present during the program and participated actively. The event was coordinated by Ms. Heena Shah and Ms. TeenaYadav, Assistant Professors, Faculty of Life Sciences.



Guest Lecture on Opportunities in Life Sciences



Faculty of Life Sciences had organized Guest Lecture & Alumni Interaction on Opportunities in Life Sciences organized by Faculty of Life Sciences, Mandsaur University on 24th Nov 2021. The speaker of the event was Ms. Priyal Sethiya, SME, and Topper. The main objective of the program is Alumni Interaction. Prof. (Dr.) Arunava Das, Dean, and Head of Faculty of Life Sciences formally welcomed and introduced the guest

to the participants. During the lecture, Ms.Priyal Sethiya thoroughly discussed various employment opportunities as well as career prospects in the field of Life Sciences. The event concluded successfully with a vote of thanks by Dr. AshishWarghane, Associate Professor, Faculty of Life Sciences, Mandsaur University.

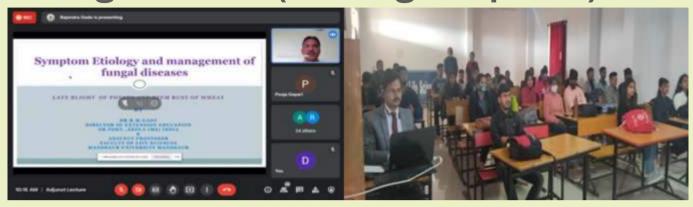
Joint International Webinar Series-Lecture-04 Biofuel, Bioenergy and Biosustainability -Plant Stress Response

The Faculty of Life Sciences, Mandsaur University had organized a Joint International Webinar Series lecture 04 on "Biofuel, Bioenergy and Biosustainability - Plant Stress Response" for the students and faculty members of Mandsaur University at 7:00pm on 18 November 2021 in collaboration with The Biotechnology Chapter, VDI, Hannover, Germany. The main objective of this lecture was "Plant Stress Response" in different plant situations and conditions. Prof. (Dr.) Arunava Das, Dean, and Head of Faculty of Life Sciences formally welcomed and introduced the guest to the participants. During the lecture Prof. (Dr.) Bernhard Huchzermeyer thoroughly discussed the sessile life cycle, pants mechanisms to respond and adapt to adverse environmental stresses during their development and growth. Prof. (Dr.) Bernhard also talked about plants' responses to abiotic stresses through multifaceted molecular

signaling pathways and identification of key molecules and their specific roles in crop improvement through generic pathways under salt, drought, and cold stress conditions. The event concluded successfully with a vote of thanks by Mr. Yogendra K Verma, Assistant Professor.



A Brief Account of the symptoms, etiology, life cycle, and management of fungal disease (Late blight of potato)



The Faculty of Life Sciences, Mandsaur University had organized an adjunct lecture 01 on "A Brief account of the symptoms, etiology, life cycle, and management of fungal disease (Late blight of potato)" for the students and faculty members of Mandsaur University at 10:10am on 20 November 2021. The main objective of this adjunct lecture was to enlighten the attendee about the symptoms, etiology, life cycle, and management of fungal disease (Late blight of potato)". Prof. (Dr.) Arunava Das, Dean, and Head of Faculty of

Life Sciences formally welcomed and introduced the guest to the participants. During the lecture, Dr. Rajendra Gade thoroughly discussed various aspects of symptoms, etiology, and life cycle of Late blight of potato. Dr. Rajendra Gade also talked about the management of late blight of potatoes. The event concluded successfully with a vote of thanks by Dr. AshishWarghane, Associate Professor, and Faculty of Life Sciences.

A Brief account of the symptoms, etiology, life cycle, and management of fungal disease (stem rust of wheat)

The Faculty of Life Sciences, Mandsaur University had organized an adjunct lecture 02 on "A Brief account of the symptoms, ethology, life cycle and management of fungal disease (stem rust of wheat)" for the students and faculty members of Mandsaur University at 10:10am on 20 November 2021. The main objective of this adjunct lecture was to enlighten the attendee about the symptoms, etiology, life cycle, and management of fungal disease (stem rust of wheat)".Prof. (Dr.) Arunava Das, Dean, and Head of Faculty of Life Sciences formally welcomed and introduced the guest to the participants. During the lecture, Dr. Rajendra Gade thoroughly discussed various aspects of symptoms, etiology, and life cycle of stem rust of wheat. Dr. Rajendra Gade also talked about the management of stem rust of wheat. The event concluded successfully with a vote of thanks by Dr. Ashish Warghane, Associate Professor, and Faculty of Life Sciences.



Methods to detect portability of Water samples



The Faculty of Life Sciences, Mandau University had organized an adjunct lecture on "Methods to detect portability of Water samples "for their UG students on 25 November 2021. The main objective of the adjunct lecture was to enlighten the attendee about various methods to detect the potability of water samples. Prof. (Dr.) Arunava Das, Dean, and Head of Faculty of Life Sciences formally welcomed and introduced the guest to the participants. During the lecture, Prof. Pramod W. Ramteke thoroughly discussed various aspects of methods to detect the potability of water samples. He also talked about various indicators used

to detect water quality. The event concluded successfully with a vote of thanks by Dr. Mohammad Irfan Ali, Associate Professor, and Faculty of Life Sciences.

This adjunct lecture provided detailed information about methods to detect portability of water samples, various indicators, and their method of detection. In the end, the guest speaker answered all the questions raised by the participants. The students found the lecture very interested and informative.

Plant Microbial Interaction



The Faculty of Life Sciences, Mandsaur University had organized an adjunct lecture on "Plant Microbial Interaction" for their PG students on 26 November 2021. The main objective of the adjunct lecture was to enlighten the attendee about various types of plant microbial interaction. Prof. (Dr.) Arunava Das, Dean, and Head of Faculty of Life Sciences formally welcomed and introduced the guest to the participants. During the lecture, Prof. Anil Prakash thoroughly discussed various aspects of plant microbial interaction. He also talked about the functional contribution of plant micro biota. The event concluded successfully with a vote of thanks by Dr. Mohammad Irfan Ali, Associate Professor, and Faculty of Life Sciences.

The adjunct lecture provided detailed information about various types of plant microbes' interactions and their impact on the growth and development of the plant. In the end, the speaker resolved all the queries asked by the participants in a very elaborative manner.

Importance of Nutraceuticals for Healthy Life



The Faculty of Life Sciences had organized a guest lecture on 10th November 2021 at Lecture Hall 1 for all the students of B. Sc and M.Sc, Biotechnology, and Microbiology, Mr. Harinarayan Rayworking as a trainee scientist at Science on Wheels, Chandigarh was the guest speaker at the event. The session was started with the welcome and a brief introduction of the Guest Speaker by Prof. (Dr.) Arunava Das. During the session. Mr. Harinarayan discussed the role and benefits of Nutraceutical in daily life, the future, and the scope of Nutraceutical. He also talked about his job responsibilities as a trainee scientist and opportunities in the Nutraceutical market. In the end, Mr. Harinarayan interacted with all the students and answered all important questions raised by them in a very elaborative and informative way. The event was coordinated by Mr. Kuldeep Patidar, Assistant Professor, Faculty of Life Sciences, and organized by Prof. (Dr.) Arunava Das, Faculty of Life Sciences, Mandsaur University.

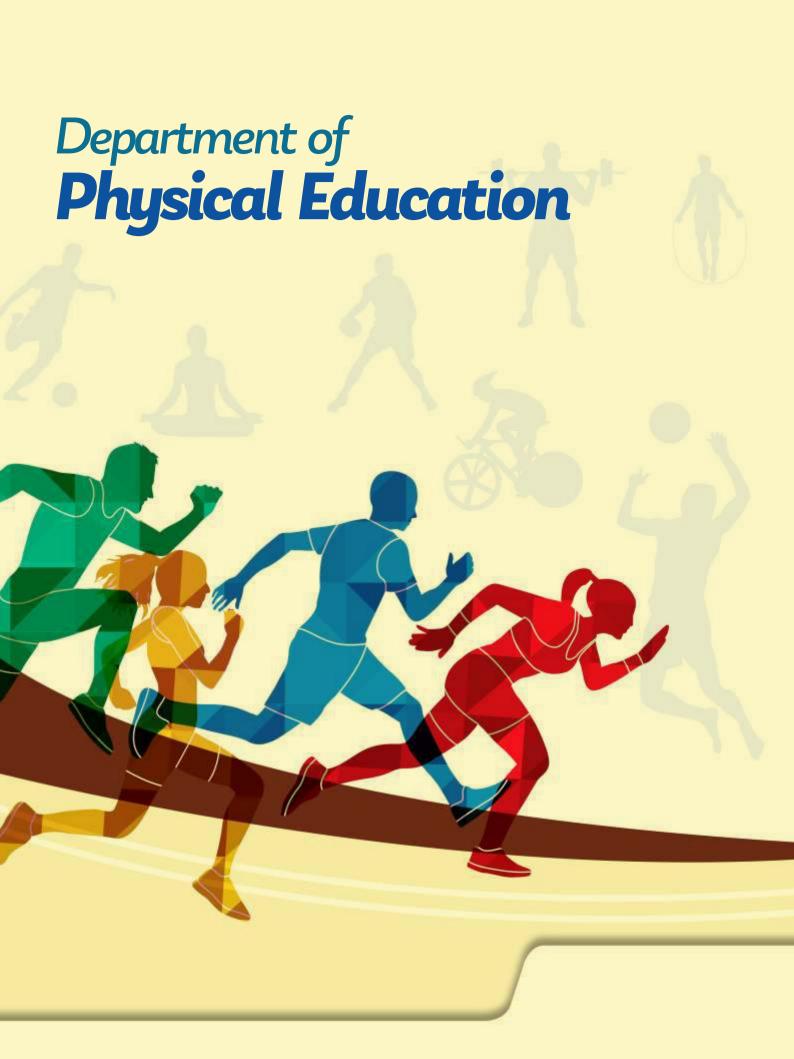
Preparation of Oats Cookies



The Health and Nutrition club had conducted an activity on Preparation of Oats Cookies (Healthy Snacks within Minutes) on 27th of October 2021 at 2:30pm at Horticulture and Food Processing Laboratory, Faculty of Agriculture Sciences. The objective of the activity was to replace the unhealthy evening snacks with healthy evening snacks and therefore, students were given guidance to prepare healthy fibre enriched cookies for their evening snacks.

The commencement of the activity took place with the

guidance of our resource person i.e. Dr. Vaishali Wankhade. She demonstrated the recipes of nutritional cookies and explained the importance of oats and its benefits in our day to day life to students. Er. Sushmita helped students to prepare the cookies and helped in distributing them among the students and faculty member of Agriculture Sciences and Life Sciences. Prof. (Dr.) Arunava Das finally did the sensory analysis of the Oats Cookies and congratulated the team for their efforts. The activity was attended by 20 students and audience remarked that the activity was very informative and interesting.



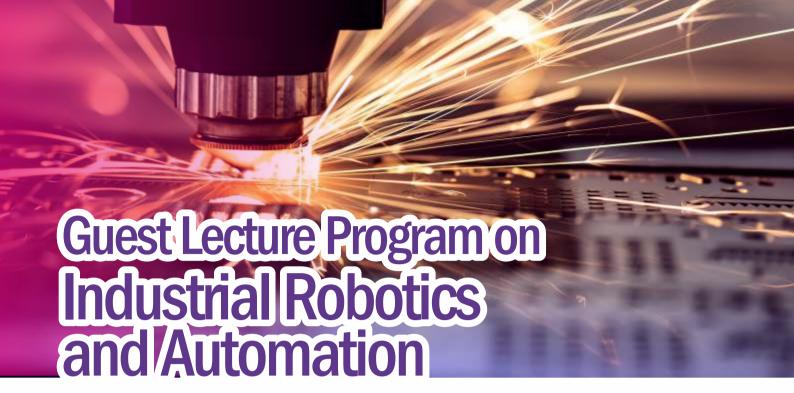




Department of Physical Education conducted a Central Eligibility Test & Physical Efficiency Test (CET & PET) for new admission B.P.Ed students (2021- 2023) as per the scheduled date on 26th of November 2021 at Mandsaur University, Sports Ground, Campus-1, Mandsaur (M.P). All new students (48) attended this CET Test session as per the venue. Physical fitness test has been conducted followed as per run by NCTE and M.P Govt higher education commission. All tests were completed under the supervision of (CET & PET) committee. Dr. Shamsher Singh (HOD), Dr. Rohit Sharma. Dr. Naresh Tuteja, Mr. AayushJi, Dr. RN Woreithing, Dr. Ashish Aggarwal, and Mr. Kalpit Bhargav were appointed by the department.







A one-day guest lecture program was organized for all the students of the Mechanical Engineering Department on 23/11/2021(Tuesday) on the subject "Industrial Robotics and Automation". The lectures were delivered by Dr. Motilal Rinawa (Ph.D. IIT Delhi) Government Engineering College Jhalawar (Rajasthan). The session started with a basic topic what is a robot, the types of robots, and their applications. The major industrial robots that we use are SCARA, HORIZONTAL ROBOT, ROBOT ARM, PICK AND PLACE ROBOT for various purposes like LOAD TRANSFERRING, WELDING, UNIFORM CAR SHIELD PAINTING. He also thought us about the FREEDOM OF ROTATION that a robot should have for its desired purposes. He taught about an actuator is a device that produces a motion by converting energy and signals going into the system. The motion it produces can be either rotary or linear. An actuator is a device that produces a motion by converting energy and signals going into the system. The actuator could be electrical. pneumatic, or hydraulic.

He discussed the topic of Robotics & industrial automation and its use of control systems, computers, and information technology in handling various processes and machinery in the industry. The ultimate aim is to replace manual labor and increase efficiency, speed, and overall performance robotics, and its importance in Mechanical Engineering was described during the lecture program.







A national workshop on the topic "Time Series Analysis in Artificial Intelligence" was conducted by the Department of Mechanical Engineering, Mandsaur University, on 20/11/2021, for All B. Techand Diploma Mechanical Engineering Students and the staff members. The resource person was Mr. Sujit Pandey, IBM India Private Ltd.

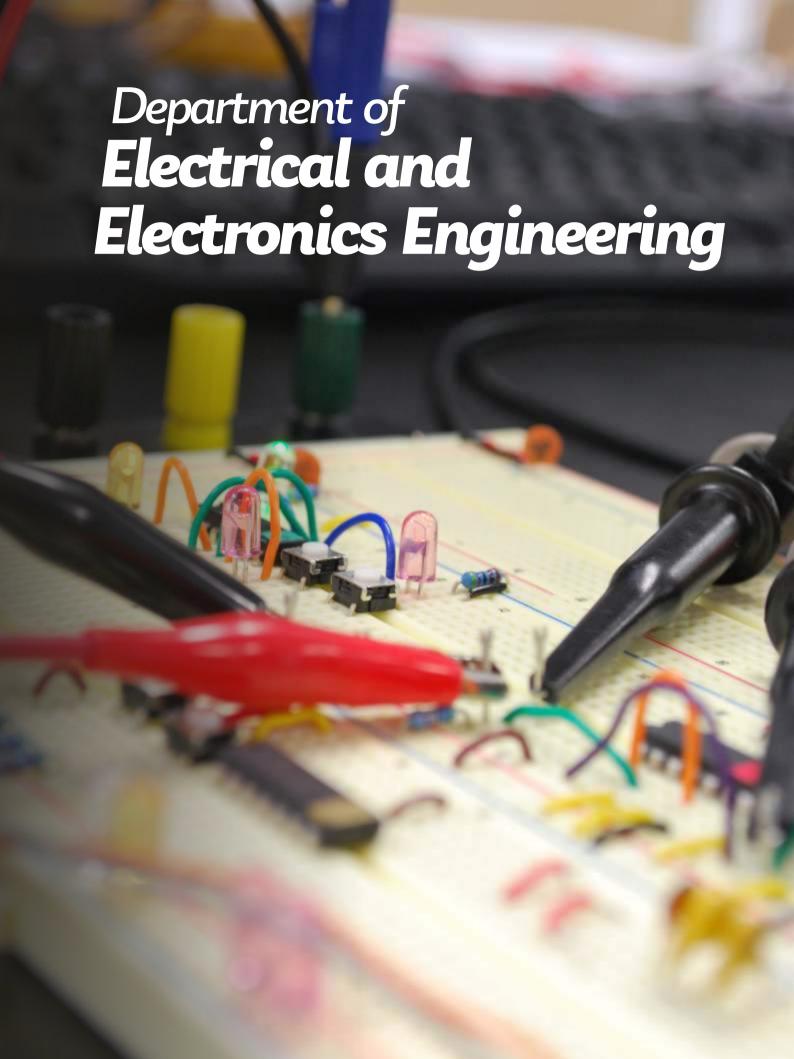
Mr. Sujit Pandey is currently working as Advisory Technical Services Specialist, IBM India Private Ltd. before joining IBM India, he has worked with reputed companies like Infosys Limited and Clarivate, which is a public American company.

At the very onset of his lecture, he introduced the term Artificial Intelligence and discussed the future career opportunities in this field, for a student from the Mechanical Engineering domain. In his lecture, he laid special emphasis on Time Series Analysis. He explained Time Series Analysis citing examples of weather prediction and stock value prediction. He also introduced various Time Series Analysis models viz. AR, MA, ARIMA, SARIMA and SARIMAX. Thereafter he gave a live demo on how to collect relevant data from authentic, free and open sources using Python on the Google Colab platform. He then also showed how to clean the raw data for further processing in Google

Colab. Thereafter, he went for Exploratory Data Analysis on the collected data on COVID - 19 spread, from the GitHub repository of John Hopkins University. After that, he developed and trained a model, to predict the spread of the disease using Python.

Sri Soumyabrata Bhattacharjee started the session and introduced Mr. Sujit Pandey. Dr. Ravi Kumar Sangewar, HOD Mechanical Engineering, briefed the session & Mr.Ashish Sethiya was promoted and looked after the logistics of the event. At last Sri Soumyabrata Bhattacharjee presented the vote of thanks.





IoT-Building a Smart World



Department of Electrical and Electronics Engineering had organized a five days' workshop on "IoT-Building a Smart World" for V & VII semester's students of EEE and III semester students of BCA computer science and application of Mandsaur University from 9-13 November. The objective of this workshop was to acquaint the students with python language and ESP32 microcontroller so that they can prepare various projects on IoT using the above during their

study period.Mr. Rahul Shrivastava, assistant professor, Sagar Group, Bhopal was the trainer of this workshop.

A total of 24 students had registered for this workshop from EEE & CA department. The workshop was started with a welcome address and introduction of a trainer by Mr. SiddheswarKar, Assistant Professor, EEE Department.

Fundamentals of MATLAB

Department of Electrical and Electronics Engineering organized a workshop on "Fundamentals of MATLAB" for second-year Diploma and B.Tech students. The workshop was organized to make the students familiar with the MATLAB software and its utility. The students practiced the various fundamental commands, mathematical operations, computational techniques, graphical analysis used in the engineering field with the help of MATLAB software. The students learned to solve the basic mathematical problems of engineering and were able to learn computational, analytical, and logical operations of their respective fields of engineering







The right-Education team interacted with students of Computer Science and Engineering. Right Education is an educational start-up launched globally by the final year students of Computer Science & Engineering.

The topics explained by the Right-Education team are as follows:

- Introduce Right Education
- Basic idea about Linux OS
- Why Linux OS is most important for us

- Some interesting concepts about "IP address, RAM & Big Data Science
- Introduction about "Container Technology
- · Basic idea about container tool "Docker
- Basic information about "Cloud & DevOps

The entire team members of Right-Education thanked & expressed gratitude to Dr.Pradeep Laxkar & Mr.Piyush Sharma for providing the platform of the Industry-Academia Club to interact with the students.





Art of Small Talk-Language & Literary Club

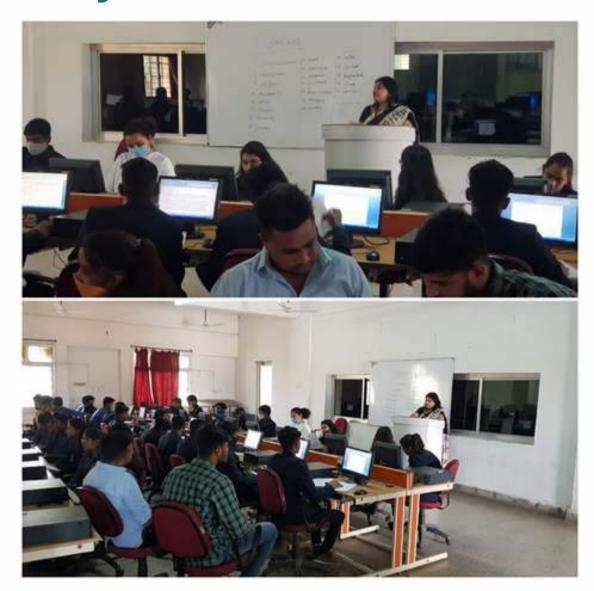


We can't build a strong, collaborative, trusting, standing relationship with someone without having had a small talk with each other. This is where we're able to get a sense of someone. We're reading them and getting attuned to their energy and emotions. Hence, it's important to clarify the meaning of small talk. They also help build self-confidence and more importantly, they are engaged in a lot of short meaningful conversations among students. Small Talk activity is one of the collaborative communication practices that give students a platform for excellence. This activity helped students to improve their confidence, increase their self-esteem, conversation

starters and develop the use of correct English.

Students participated earnestly in the small talk activity. The activity was conducted in three rounds: First Round: working with a partner – Conversation Starters, Second Round: working with a group – Extending Conversations. 20 students participated in this activity and overall students gave a positive and enthusiastic approach for this activity. They wanted more such creative activities shortly which will help in enhancing their communication skills.

Spell Bee – Language & Literary Club



Spelling is important because it aids in reading. It helps cement the connection that is shared between sounds and letters. They also help build children's self-confidence and more importantly, they are a lot of fun among students. Accurate spelling is one of the subskills of writing. An inter-class Spell Bee competition was organized by Language and Literary Club on 13 November 2021. Spell bee is one of the active learning methods that give students a platform to learn spelling in different ways. This activity helped students to improve their spelling, increase their

vocabulary, learn concepts and develop the use of correct English. Students participated earnestly in the spell Bee activity. The activity was conducted in three rounds. First Round: spell the word; Second Round: Pronunciation; Third Round: Jumbled Words.

40 students participated in this activity and overall students gave a positive and enthusiastic approach for this activity. They wanted more such creative activities shortly which will help in enhancing their English language skills.





Dept. of Tourism and Hospitality Management, Mandsaur University organized a 05 Days French Language workshop conducted by Mr. Sarthak Chourasia, Assistant Professor, Department of Tourism & Hospitality, Mandsaur University. The workshop focused on the introduction of the basics of the French language where common phrases, alphabets, basic verbs with their conjugation, sentence formation, etc. topics were discussed. The

teaching method applied was student-centered and exercise-based learning wherein-home assignments were delegated daily to the students and in-class audio and video facilities were used to teach them correct and actual pronunciations of various words. After the workshop, a 10 marks test has been conducted and the participants who qualified in the test received a Workshop completion certificate.







Solidarity Games and Sports Club (SGSC) was organized a cricket match among the SGSC Club students. The aim & objective of the activity has to mass participation of the students in sports activity for overall development. SGSC Club coordinator Dr. Naresh Tuteja, Assistant Professor, and Mr. Aayush Trivadi, Assistant Professor, Faculty of Physical Education addressed the students and instructed the students regarding the rules of cricket. The Match was started at 2:20pm sharp with a toss by Mr. Aayush Trivadi. B.P.Ed III semester students Rakesh Dhangar, Abhishek Sharma, Sourabh, Kushagra Bairagi, and Aishwarya Bairagi were the umpires in all the matches.





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