



Shri Gujarati Samaj, Indore

# PMB Gujarati Science College

Accredited with grade 'A' by N.A.A.C.

**PERIHELION**

Quarterly Newsletter -  
May-June

Issue- 26

Year-6-



G.B. Chairman  
Shri Bharat Bhai Bavisi



## From the Principal's Desk

This issue of the newsletter is really special because it began during the lockdown and is being published when the lockdown is partially lifted. The uncertainty of life and the future poses challenges, both personal and academic. The time is to focus on changing parameters of teaching and learning. As students have been given general promotion, online revision classes have been marked complete. I appreciate the dedication of our professors towards conducting online classes and other academic/extracurricular/co curricular

advancement activities for students.

As the nationwide lockdown is being lifted off, we are coming back to normalcy, keeping the changing scenario in mind. The college is following norms of sanitisation, hand washing, and physical distancing. We have to start preparing for the next upcoming academic session with all the challenges that are going to be involved. I urge everyone to follow government guidelines and instructions on social distancing, and on hygiene practices. I wish everyone stays safe and healthy.

## Contents

### Individual Highlights

#### Page1:

- Principal's Message
- News at a Glance

#### Page2 to Page 9:

- Departmental Activities

#### Page 10:

- Departmental Activities
- Students' Achievement

## News at a Glance

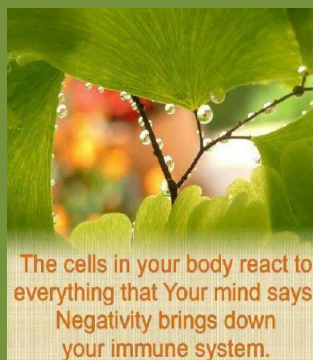
The college celebrated 6<sup>th</sup> International Yoga Day on 21 June 2020. Faculty members and students of the college participated online on Zoom. Shri Shivgopal Dubey was the instructor who guided all the participants to perform different Yogasanas.

To celebrate the World Environment day Chemistry Department conducted an online quiz on "Environment Awareness-2020" for faculties, students (UG and PG) and all professionals from 4 to 10 June 2020. About 1900 candidates participated in this quiz. E-certificate of appreciation has been provided to the participants who scored more than 50%.

Dr. G.D.Sharma participated in Home Run /Walk Lockdown marathon 4.0" on 31<sup>st</sup> may 2020 to celebrate World No Tobacco Day & completed the Run in 60 min.

Dr. Dhananjay Dwivedi has been invited as resource person in RDC held in APJ Abdul Kalam University for Ph. D. (Chemistry) registration in expert panel of University organized in May 2020.

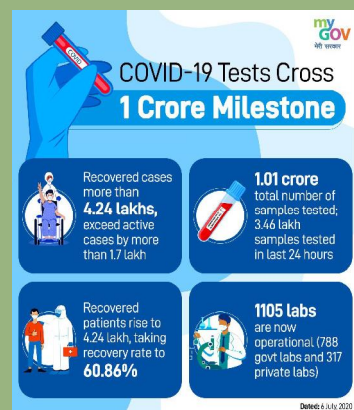
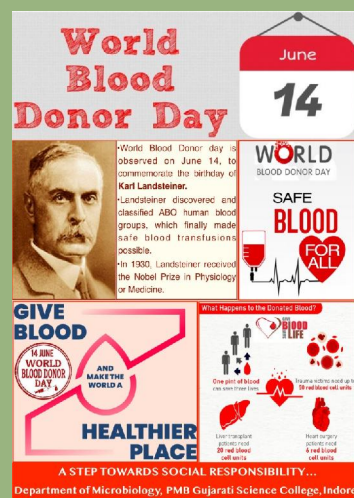
Prof. Dron Mishra joined as a Member of "International Progressive Educator's Council" Hyderabad.



The cells in your body react to everything that Your mind says  
Negativity brings down your immune system.



### Microbiology Department



**Online classes for exam preparation:** As per the timetable prepared by the college, online revision classes of B.Sc I and II were taken. Additionally, classes of B.Sc. III year were also arranged. During these classes, revision of syllabus, doubt clearing and preparing students for the upcoming exams was undertaken. The notes of topics discussed during these classes were posted on Whatsapp groups of each year. All faculty members prepared a capsule review of each unit of the paper allotted to them through power point presentations by using descriptive images /tables, etc. The distribution of course was as follows:

B.Sc. I year- Dr Nandini Phanse: Paper I, Dr Mahima Golani: Paper II  
 B.Sc. II year- Prof. Kiran Paliwal: Paper I, Prof. Shraddha Dehure: Paper II  
 B.Sc. III year: Prof. Vartika Mishra: Paper I, Prof. Darshana Dusane: Paper II

**Online tests of students for exam preparation:** Online tests were also taken for exam preparation and self assessment of students. All faculty members of the department prepared questionnaires (using google forms) of the papers allotted to them in Hindi as well as in English. Students were informed about the tests on Whatsapp group and links were sent to them.

**Preparation for online teaching for new academic session:** Syllabus has been distributed to the faculty for online teaching preparation of B.Sc. and M.Sc. classes for the new academic year. Along with preparation of revision classes and doubt clearing sessions, faculty members have also expedited the work of preparing power point presentations and assignments on the course allotted to them.

**Faculty publications/ achievements/contributions/upgradation:** Dr Nandini Phanse's review article on "Epidemiological studies of Corona Virus disease in the state of Gujarat, India" has been accepted to be published in the INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH for 1st July, 2020 issue.

Dr. Nandini Phanse is appointed as the President of Microbiologists Society, India, of Madhya Pradesh State for the academic year 2020-2021.

Dr. Mahima Golani was a jury member of online essay competition on "COVID-19: Vaccine development and therapeutic strategies in India" organized by Student Unit of Microbiologist Society, Bhopal & Department of Microbiology, Barkatullah University, Bhopal on 17th May 2020.

The Microbiology department continued with its practise of creating awareness about important events that fall every month. Dr Nandini Phanse and Prof. Vartika Mishra prepared informative posters on World Environment Day, 05 June, 2020, and on World Blood Donor Day, on 14 June 2020. These posters were circulated amongst students and faculty through electronic means.

During the lockdown period, faculty members of the department upgraded themselves by attending webinars, online conferences and participating in various online competitions.

Dr. Nandini Phanse completed two online international certificate courses, one from Johns Hopkins University, USA, on "COVID-19 Contact Tracing" and the second from University of Florida, USA, on "COVID-19-A Clinical Update". She also attended 11 webinars/web conferences (national/international).

Dr. Mahima Golani attended 11 webinars, 1 international conference and participated in a COVID-19 awareness programme.

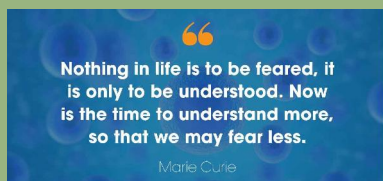
Prof. Kiran Paliwal attended 2 webinars and participated in a COVID-19 awareness programme.

Prof. Vartika Mishra attended 10 webinars and participated in 6 programmes on COVID-19 awareness and a National Photography competition on World Environment day.

Prof. Shraddha Dehure attended 2 webinars and participated in 3 programmes on COVID-19 awareness.

Prof. Darshana Dusane attended 5 webinars and participated in 8 programmes on COVID-19 awareness.

Prof. Vartika Mishra and Prof. Darshana Dusane participated in an international workshop on "SPARC -INDO-US Immunology" organised by Indian Institute of Technology, Ropar, India and The George Washington University, USA (12-13 June, 2020).



## Computer Science Department

Department faculties has taken 47 special revision lectures for students of B Sc 1<sup>st</sup> and 2<sup>nd</sup> year. During lockdown department was in regular contact with all students using website as well as whatsapp group. Department has run special campaign during lockdown for students. Faculty members of the department participated in 65 following various online activities conducted worldwide. Prof Sanjay Sharma has created Youtube channel for the benefit of students. Duties regarding to the preparation of video lectures was also allotted to faculty members.

Total online activities	Online conferences	Online Faculty Development program	Webinar	Other	Online Class
112	2	2	11	50	47

Prof Sanjay Sharma has developed online recording system of lectures, Whatsapp group creations module, recording and analysing of online activities module. Prof Sanjay Sharma also submitted faculty feedback report to IQAC.

## Zoology Department

Online revision classes of UG and PG students were conducted during this period. Faculty members took classes as assigned to them using Zoom, Webex and Google meet platforms. Study material was also provided in the form of videos and pdf and links of related topics were shared.

Dr. Chetna savita, Dr. Shitika Barkale & Ms. Pooja Sharma delivered motivational lectures on “How to prepare ourselves for exams in this pandemic period “for M.Sc. Final year students. Dr. Shitika Barkale & Ms. Pooja Sharma delivered a talk on “Myths about corona viruses or Covid-19 ” for B.Sc. II Year students. The lectures were delivered on Zoom.

**Participation of faculty members in online Quiz, International/National Webinars and Workshops:**

S.No	Name Of Faculty	No.
1.	Dr. G.D.Sharma	03
2	Dr. Vibha Dave	26
3	Dr. Rajesh Dixit	07
4	Dr. Raksha Modi	03
5	Dr. Chetna Savita	27
6	Dr. Shitika Barkale	22
7	Ms. Pooja Sharma	02

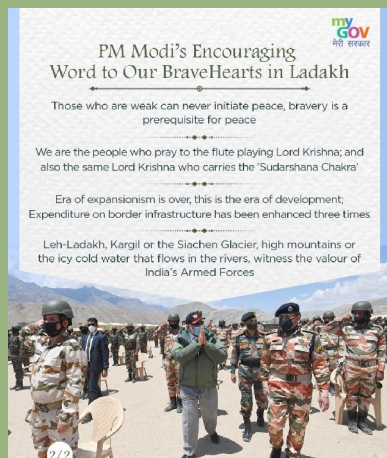
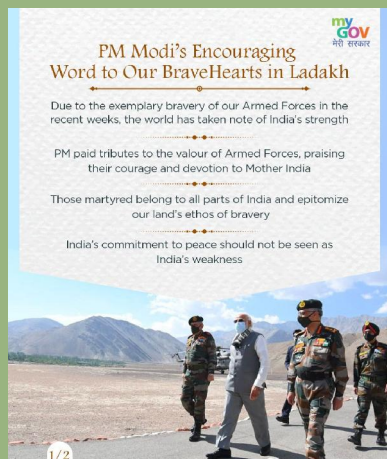
## Physics Department

Participation of faculty members in various activities:

### Dr P.A. Kekre

- Webinar on Century of Quantum Mechanics, organised by Applied Physics Department, Faculty of Technology and Engineering, the Maharaja Sayajirao University of Baroda (MSUB), Gujarat Science Academy (GSA), Indian Physics Association (IPA) Baroda Chapter and Indian Association Of Physics Teachers (IAPT-RC7) on 15 – 17 June 2020.
- International E-conference on “Advanced Functional Materials & Optoelectronics Device” organized by Centre for Renewable energy Prof.Rajendra Singh (RajjuBhaiya) Institute of Physical Science for study & Research VBS Purvanchal University Jaunpur from 13-15 June 2020.
- National Webinar on “Relevance on Indian lifestyle and Culture in present scenario and its Future Aspects” organized by Department of Zoology, B.L.P Govt. PG College Mhow on 6 June 2020.
- International E-conference on “Advanced Functional Materials & Optoelectronics Device” organized by Centre for Renewable energy Prof.Rajendra Singh (RajjuBhaiya) Institute of Physical Science for study & Research VBS Purvanchal University Jaunpur from 13-15 June 2020.
- National Webinar on “Relevance on Indian lifestyle and Culture in present scenario and its Future Aspects” organized by Department of Zoology, B.L.P Govt. PG College Mhow on 6 June 2020.





## Physics Department Cont.

- International E – Symposium on “Modern Trends in Physics & Bio – photonics 2020” held 6-10 June 2020 organized by Department of Physics, Govt. College Manawar, Dhar in association with Internal Quality Assurance Cell & IAPT RC-09.
- National webinar on “Moodle an Online E learning Platform” organized by Chameli Devi Group of Institution, Indore on 30 May 2020.
- National Webinar on “Technologies for Wildlife Conservation” organized by Department of Applied Chemistry & Chemical technology & Department of Physics, Optoelectronics, Shri G.S Institute of Technology & Science on 6 June 2020.
- National webinar on “Recent Trends in Modern Physics” organized by S.V.V.V in association with IAPT RC-09 on 29 May 2020.
- Webinar Lecture series on “Modern Physics and Material Science organized by Department of Physics, Govt. Holkar Science College held from 26-30 May 2020.
- One week International Webinar on “Characterisation of Material and the Analysis”
- Organized by Department of Physics, ISLE, IPS Academy in association with IAPT RC-09 on 25-31 May 2020.
- National level webinar on “Bird Connect Our World” organized by Department of Zoology in Collaboration with Biologia Life Science, Poona College of Arts, Science & Commerce Camp, Pune on 9 June 2020.

### Dr. R.C Sanghvi

- Webinar Lecture series on “Modern Physics and Material Science organized by Department of Physics, Govt. Holkar Science College held from 26- 30 May 2020.
- National Webinar on “Career Opportunities in New Era” organized by St. Paul Institute of Professional studies, Indore, on 30 June 2020.

### Dr. Ashish Dubey

- Dr. Ashish Dubey attend the National Webinar on Solar Energy

### Dr. Sanjay Shah

- Webinar on Century of Quantum Mechanics, organised by Applied Physics Department, Faculty of Technology and Engineering, the Maharaja Sayajirao University of Baroda (MSUB), Gujarat Science Academy (GSA), Indian Physics Association (IPA) Baroda Chapter and Indian Association of Physics Teachers (IAPT-RC7) on 15 – 17 June 2020
- International webinar on “Nano-materials and Detection Technique of COVID-19” organised by Department of Physics Babu Shivnath Agrawal (P.G.) College, Mathura (U.P.) India on 7 June 2020.
- Waves in Plasma State: Propagation, Dispersion and Damping organised By: Christian Eminent College Indore, On 9 June 2020.
- Modern Physics and Material Science organised by Govt. Holkar Science College, Indore on 26 - 30 May 2020.

### Prof. Mayur Mota

- Attended more than 10 National webinars.
- Analysed student feedback forms as well as online lectures taken by faculty members of our College.

### Dr. K. Venkataraman

- Resource person in National Webinar organized by St. Paul Institute of Professional studies, Indore, on 30 May 2020.
- Resource person in National Webinar organized by Sri Ramakrishna Institute of Technology, Coimbatore, Tamilnadu, on 20 June 2020.
- Attended e- FDP on “Materials Science: Synthesis and Characterization”. Organized by SVVV, Indore.
- Participated in the “Physics Journey: A travel for Scientific Minds” organized by GUJCST, DST, Govt of Gujarat from 21- 29 May 2020.
- Participated in Two-day webinar crash course on Amateur Astronomy organized by Saurashtra University, Rajkot and DST, Govt of Gujarat, from 25- 26 May 2020.
- Attended the National Webinar on “Organic Chemist and Spectroscopy”, on 28 May, 2020, organized by Shri Vaishnav Vishwavidyalaya, Indore.
- Attended the National online FDP “Machine Learning for Biomedical Data processing” on 4<sup>th</sup> June 2020, organized by Mandsaur University, Mandsaur
- Participated in the International e- symposium on “Modern Trends in Physics and Bio-photonics 2020) organized by IAPT and Govt college, Manawar, held from 6<sup>th</sup> to 10<sup>th</sup> June, 2020.



### Physics Department Cont.

- Participated in the International Webinar on “New Trends for effective Teaching and learning in Present scenario) organized by HitkariniPrashikshanMahilaMahavidyalaya, Jabalpur held from 8<sup>th</sup> to 10<sup>th</sup> June, 2020.
- Attended the National Webinar on “Mass Spectroscopy: Basics and its applications”, on 10<sup>th</sup> June, 2020, Organized by Shri VaishnavVishwavidyalaya, (SVVV), Indore.
- Participated in the Webinar on the “Century of Quantum Mechanics and still going strong”, organized by IAP, IAPT and NASI Dehi, held during 15<sup>th</sup> to 17<sup>th</sup> June, 2020.
- Organized an Online Popular science talk on “Annular Solar eclipse” for College students on 23-05-2020. Dr. Sachin Narwane, Scientist, VigyanPrashar, DST, Govt of india was the speaker and 98 students attended the program.
- Organized a webinar on personality development program for BSc I year and II year students, during 12<sup>th</sup> June to 15<sup>th</sup> June 2020. The Speaker was DrSandipAtre, CEO of CH-Edgemakers.
- Conducted Online Comprehensive Viva for BE students of Shri Vaishnavvidyapeetvishwavidyalaya, Indore on 16<sup>th</sup> June 2020.

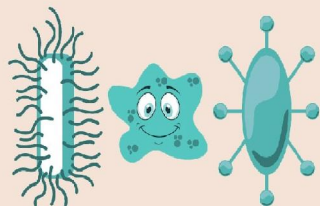
#### Prof. Gopal Chand Dangi

- National webinar on “Century of Quantum Mechanics and still going Strong” jointly organized by Applied Physics Department, Maharaja Sayajirao University of Baroda (MSUB), GSA, Indian Physics Association Baroda, IAPT RC-07 and NASI Delhi from 15-17 June 2020.
- International E – Symposium on “Modern Trends in Physics & Bio – photonics 2020” held 6-10 June 2020 organized by Department of Physics, Govt. College Manawar,Dhar in association with IAPT RC-09.
- Webinar Lecture series on “Modern Physics and Material Science organized by Department of Physics, Govt. Holkar Science College held from 26<sup>th</sup> to 30<sup>th</sup> May 2020.
- National webinar on “Waves in plasma state : propagation dispersion and damping” held on 9 June 2020 organized by department of Physics, Christian Eminent College, Indore in Association with IQAC.
- National webinar on “Positive Aspects of Corona” organized by Govt. Holkar Science College held from 8 - 9 June 2020.

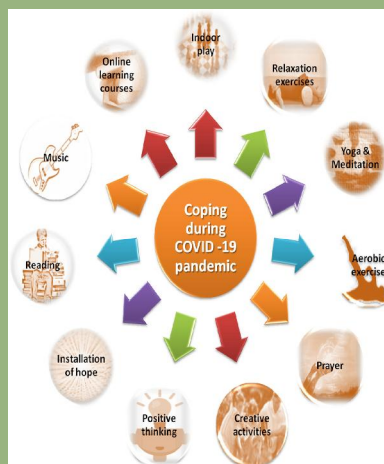
#### Prof. Dron Mishra

- Attended webinar on “Food Adulteration” conducted by Department of Science AISECT College Indore. He attended “COVID-19 Awareness and Management” Program conducted by Medvarsity& FICCI on 17<sup>th</sup> May 2020.
- Attend the National Webinar on “Introduction of Data Science, Data Modelling & Analysis of COVID-19 Data” conducted by Chameli Devi Group of Institutions, Indore on 23<sup>rd</sup> May 2020.
- Attended National Conference on “Upcoming Challenges & Opportunities in Recruitment” conducted by Department of Management, AISECT College, Indore on 25<sup>th</sup> May 2020.
- Participated in National Skill Enhancement Webinar on “Decoding Research Paper: Mastering the Art of Storytelling” conducted by GH Patel College of engineering and technology CVM University, Anand Gujarat on 24<sup>th</sup> May 2020.
- Attended one week online course “COVID-19: What you need to know (CME Eligible) Conducted by Osmosis.org, Baltimore MD, USA on 26<sup>th</sup> May 2020.
- Attended national webinar on Advanced Excel conducted by Sigma Institute of Engineering, Vadodara, Gujarat on 25th and 26th May 2020.
- Participated in National webinar on living with stressful Corona pandemic conducted by Sigma Institute of Engineering, Vadodara Gujarat on 28<sup>th</sup> May 2020.
- Attended one day virtual national seminar on “Comprehensive Quality Initiatives and Challenges for Higher Education in Digital Era” Conducted by People University Bhopal on 30<sup>th</sup> May 2020.
- Participated in National Webinar on “Molecular Level Investigations on Organic Materials” organized by Department of Nanoscience and Nanotechnology, S.T. Hindu College, Nagercoil on 29<sup>th</sup> May 2020.
- Attended Faculty Development program on “Online Teaching Learning Tools” conducted by G.S. College of Commerce & Economics, Jabalpur on 27<sup>th</sup> May 2020.
- Attended workshop on “Moodle an Online E learning Platform” organized by Chameli Devi Group of Institution, Indore on 30<sup>th</sup> May 2020.
- Participated in National Webinar on “Artificial Intelligence in Healthcare OPPORTUNITIES & Emerging Applications” organized by International Institute of Healthcare Management Research, Delhi on 23<sup>rd</sup> May 2020.
- Attended the National Webinar on “Importance of skill Education & Entrepreneurship” organized by Bhartiya Skill Development University Jaipur on 2<sup>nd</sup> June 2020.

### Health Benefits of Properly Working Immune System



- 1 Preventing External Threats**  
When the immune system works properly, they help to fight against all these external threats
- 2 Fighting Against Antigens**  
When the immune system is working properly, it can detect these antigens and send the message to the cells.
- 3 Fighting Internal Threats**  
A perfectly balanced immune system can help to fight against these problems.
- 4 Production Of Antibodies**  
The immune system can encounter the antigens when they attack your body again.



**GOV**  
UNLOCK 2.0  
GUIDELINES FOR  
PHASED REOPENING

**NATIONAL DIRECTIVES  
FOR COVID-19  
MANAGEMENT (1/2)**

**Wearing of face cover** is compulsory in public places, in workplaces, and during transport

Individuals must maintain a **minimum distance of 6 feet** (2 gaz ki doori) in public places

**Shops to ensure physical distancing** among customers

Updated: 30 June 2020

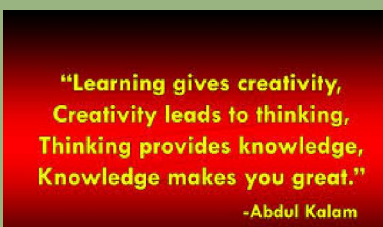




"Life (ayu) is the combination (samyoga) of body, senses, mind and reincarnating soul.

Ayurveda is the most sacred science of life, beneficial to humans both in this world and the world beyond."

— CHARAKA



-Abdul Kalam

The nature of yoga is to shine the light of awareness into the darkest corners of the body.

#### Physics Department Cont.

- Participated the National webinar on "Chanakya & Management" organized by B.K. Birla College, Kalyan Mumbai 27<sup>th</sup> May 2020.
- Participated National Webinar on "Current State of Indian Economy: Challenges Posed by COVID-19" organized by Department of Economics Maharaja Agrasen College Jagadhri on 29<sup>th</sup> May 2020.
- Participated National Webinar on "Developing Career Oriented Skills during Pandemic Period" organized by Department of Applied Science on 30<sup>th</sup> May 2020.
- Participated National Webinar on "Digital Technology for Transforming Teaching & Learning Experience: A 360° approach" organized by Christian Eminent College, Indore on 4<sup>th</sup> June 2020.
- Attended National Webinar on "Use of Bloom's Taxonomy in Quality Online Teaching and Evaluation" organized by G.S. College of Commerce & Economics on 2<sup>nd</sup> June 2020.
- Attended National Webinar on "Conservation of Biodiversity in Kalyana Karnataka Region, Opportunities & Challenges" organized by Loyola College, Manvi on 5<sup>th</sup> June 2020.
- Participated in webinar on "Introduction of AI computer Vision and Robotics" conducted by Shivajirao Kadam Institute of Technology & Management, Indore on 9<sup>th</sup> May 2020.
- Attended certificate course on "The COSHH Risk Assessor Certification" by The International Association for Chemical Safety on 12<sup>th</sup> June 2020.
- Attended webinar on "Positive Aspects of Corona" organized by Department of Biotechnology & Bio-Informatics, Holkar Science College Indore on 8<sup>th</sup> & 9<sup>th</sup> June 2020.
- Participated in National Webinar on "Role of IQAC in Higher Education Institutions" organized by Badruka College of Commerce & Arts, Hyderabad on 12<sup>th</sup> June 2020.
- Attended leadership Talk with Shri R Subrahmanayam, IAS (Secretary Ministry of Social Justice & Empowerment) held on 13<sup>th</sup> June 2020 by MHRD.
- Attended Webinar on "Wonders of Vastu Shastra" organized by Medi-Caps University Indore on 08<sup>th</sup> May 2020.
- Coordinated the National Level Quiz on "International Yoga Day 2020".
- He cleared first round of KBC and Select for Online Audition.

#### Prof. Reena Bhatt

- Certificate course by World Health Organisation "Record of Achievement in COVID - 19 prevention, response and control"
- Participate in IFS – Forensic Investigation Quiz.
- Participate in Online Physics Quiz organized by Department of Physics, Govt. College ManawarDhar.

### English Department

The department was actively involved in conducting activities for students, online classes, and self-learning. Details are as follows:

1. As per the timetable, classes were conducted by faculty members using Zoom platform. Revision content, study material, and informative content was shared on WhatsApp groups of all three years.
2. A Cyber Security Seminar by Mr. Sunny Wadhwani, cyber security expert, was organised for the students on 24 May 2020, which was attended by 74 participants.
3. A talk by psychologist and counsellor Mrs. Alpana Awasthi titled Covid 19 : Overcoming Stress and Anxiety was arranged on 2 June 2020. Apart from college students, some faculty members, students and faculty from other colleges like St. Paul's Institute, IPS College, and Shri Vaishnav Vidyapeeth, Indore participated. There were some 43 participants.
4. As part of extension activity, the literature group Shabd Shilp, founded by Dr Deepa Vanjani, arranged a session Basics of Hydroponics by college alumnus Aakanksha Soni on June 5, 2020.

#### **Webinars attended/ paper publication:**

##### **Dr Deepa Vanjani:**

1. Guest talk 'Constitutional Values' on 13 June 2020 arranged by St. Paul's Institute of Professional Studies.
2. Two day international web conference 'The Role of Literature in the Time of Crisis Like Corona Virus Pandemic' organised by Shivaji Mahavidyalaya, Udgir in collaboration with SRTM University, Nanded, on 10-11 June 2020.
3. One day International web conference on 'Post Pandemic Rejuvenation of Higher Education: A Global Perspective' organised by Baburaoji Gholap College, Pune with Cluster of English Language and Literature on 5 June 2020.
4. One day national webinar on The Matrix of Indian Folk Literature organised by Shri Jai Narain Mishra PG College, Lucknow on 24 May 2020.



### English Department cont.

5. Participated in 'International Yoga Day' celebration organized by P.M.B. Gujarati Science College, Indore and 'Online Quiz on Yoga' on the occasion of International Yoga Day organized by IPEC Network.

- Paper titled Literature, a Stress Buster: The Bilateral Relationship between Psychology and Literature, published in international peer reviewed journal LangLit June 2020 issue ISSN 2349 5189.

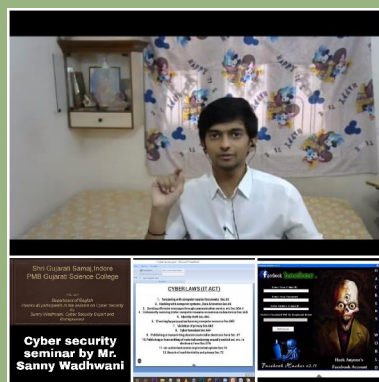
### Prof. Kusum Joshi:

1. One day International web conference on 'Post Pandemic Rejuvenation of Higher Education: A Global Perspective' organised by Baburaoji Gholap College, Pune with Cluster of English Language and Literature on 5 June 2020.
2. National Webinar on "ICT Enabled Teaching, Learning and Evaluation of English Language & Literature" organised by the Department of English and IQAC, Noble College (A), Machilipatnam, Andhrapardesh on 05.06.2020
3. Two day international web conference 'The Role of Literature in the Time of Crisis Like Corona Virus Pandemic' organised by Shivaji Mahavidyalaya ,Udgir in collaboration with SRTM University,Nanded ,On 10-11 June 2020.
4. Two Day International Webinar on 'Emerging Challenges in Teaching Literature & Language in the Virtual World' organized by the department of English, Govt. V.Y.T PG Autonomous College, Durg, Chattisgarh on 7-8 June, 2020.
5. Two day National Webinar on 'The Scenario of Teaching/Learning English: Problems and Possibilities' organized by the Department of English, Govt. Holkar Science College, Indore, MP on 21- 22 June 2020.
6. E-quiz on 'Indian Writing in English' by Swami Vivekanand Govt. College Raisen (M.P.)
7. 'Environment Awareness Quiz-2020' organized by Chemistry Department, P.M.B. Gujarati Science College, Indore.
8. 'International Yoga Day' celebration organized by P.M.B. Gujarati Science College, Indore.
9. 'Online Quiz on Yoga' on the occasion of International Yoga Day organized by IPEC Network
10. 'Quiz on English Grammar' organized by Government First Grade College, Davanagere. Karnataka.

### Dr. Shweta Patidar:

National Webinar on "ICT Enabled Teaching, Learning and Evaluation of English Language & Literature" organised by the Department of English and IQAC, Noble College (A), Machilipatnam, Andhrapardesh on 05.06.2020

1. Two day international web conference 'The Role of Literature in the Time of Crisis Like Corona Virus Pandemic' organised by Shivaji Mahavidyalaya ,Udgir in collaboration with SRTM University,Nanded ,On 10-11 June 2020.
2. Two Day International Webinar on 'Emerging Challenges in Teaching Literature & Language in the Virtual World' organized by the department of English, Govt. V.Y.T PG Autonomous College, Durg, Chattisgarh on 7-8 June, 2020.
3. Two day National Webinar on 'The Scenario of Teaching/Learning English: Problems and Possibilities' organized by the Department of English, Govt. Holkar Science College, Indore, MP on 21- 22 June 2020.
4. E-quiz on 'Indian Writing in English' by Swami Vivekanand Govt. College Raisen (M.P.)
5. 'International Yoga Day' celebration organized by P.M.B. Gujarati Science College, Indore.
6. 'Online Quiz on Yoga' on the occasion of International Yoga Day organized by IPEC Network
7. 'Quiz on English Grammar' organized by Government First Grade College, Davanagere. Karnataka.





### Biotechnology Department

Dr. Priti Vyas called up a meeting of the teaching staff on google duo for taking online classes and syllabus distribution. All the staff members are actively engaged in preparing power point presentations for online teaching. The staff members had taken classes of B.Sc I and II year students in online mode from 12- 16 May 2020. As per college time –table (effective from 18<sup>th</sup> May 2020), Prof. Poonam Vijaypuriya took online classes of B.Sc I year Biotechnology students while Prof. Kriti Joshi taught B.Sc II year Biotechnology students till 20<sup>th</sup> June 2020. Notes were circulated among the students in advance for better understanding of the topics.

Dr. Priti Vyas and Prof. Poonam Vijaypuriya attended 3 days International e-conference on “Strategies and challenges in Higher Education during COVID 19 Lockdown period in India with reference to the world” organized by Govt. Vidarbha Institute of Science And Humanities, Amravati, from 15-17 May 2020.

Dr. Priti Vyas participated in online “COVID -19 Economic Awareness Quiz”, organized by Department of Management, Comp Feeders AISECT College of Professional Studies, RRCAT, Rau, Indore on 21st may. She also participated in online “COVID -19 Awareness Quiz”, organized by Institute of Engineering and Technology DAVV , Indore on 23rd May 2020 .

Prof. Poonam Vijaypuriya participated in National Level quiz competition on “COVID-19 Awareness” organized by MyGov, Portal of Govt. Of India, National Information Center on 16 May 2020. She participated and achieved certificate of appreciation in Online Quiz Competition on “COVID-19 Awareness Quiz” organized by IQAC in collaboration with Departments of Biotechnology and Zoology, St. Joseph's College, Irinjalakuda, Kerala, on 17/5/2020. She also participated and achieved Certificate of Appreciation in National Level Online Quiz Competition on “Forensic Science Awareness” organized by IFS Forensic Science Pune, Govt. Recognized, ISO Certified & Court Appointed Commission, Maharashtra, on 18/5/2020.

### Mathematics Department

• विभागाध्यक्ष डॉ. विमोज परसाई सर निरंतर मोबाइल एवं व्हाट्स एप से सभी विद्यार्थियों से जुड़े रहे एवं उनकी समस्याओं का समाधान करते रहे।

• डॉ. विमोज परसाई एवं डॉ. एस. पाल ने एम.एससी. के विद्यार्थियों की Online Classes ली।

• प्रोफेसर सीमा वोरा एवं प्रोफेसर जयश्री शाह ने बी.एससी. द्वितीय वर्ष Online Revision Classes ली।

• प्रोफेसर भूपेन्द्र सिंह गहलोत एवं प्रोफेसर रिकू जैन एवं प्रोफेसर दिशा पटेल ने बी.एससी. प्रथम, द्वितीय वर्ष एव बी.सी.ए. की Online Revision Classes ली।

• प्रो. सीमा वोरा ने वैष्णव कॉलेज का Algebra and Real analysis विषय पर वेबिनार attend किया।

• प्रो. जयश्री शाह ने महाराजा रंजीत सिंह कॉलेज का “Holistic Development of Human Brain through Vedic maths” एवं क्रिश्चियन एमीनेंट कॉलेज का “Boosting confidence and self analysis” विषय पर वेबिनार attend किया।

• प्रो. रिकू जैन ने वैष्णव कॉलेज का Algebra and Real analysis विषय पर वेबिनार attend किया।

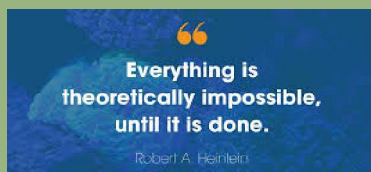
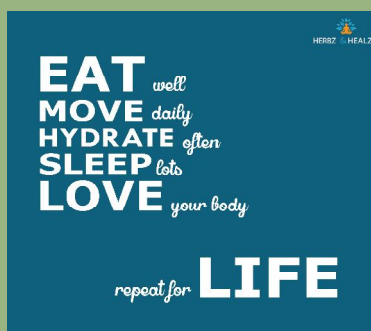
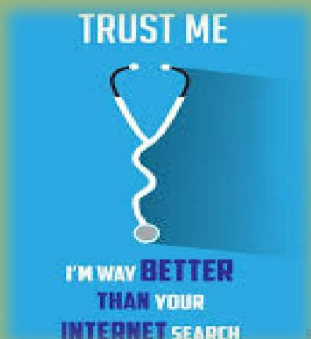
➤ क्रिश्चियन एमीनेंट कॉलेज का System of equations and application विषय पर वेबिनार attend किया।

➤ SGSITS College का Artificial Intelligence and influence of Mathematics विषय पर नेशनल वेबिनार attend किया।

➤ Acropolis College की Mathematical Indulgence विषय पर नेशनल वर्कशॉप attend की।

➤ Maharaja Ranjit Singh College का Socio economic challenges पर नेशनल वेबिनार attend किया।

• सभी Faculty members ने विभिन्न कॉलेज द्वारा आयोजित E-Quiz attend किये एवं E-Certificate प्राप्त किये।







### Botany Department

Dr. Jaishree Sikka delivered a lecture on the topic "Malwa Region: Biodiversity of flora and fauna." in world Environmental week celebration (31 May to 5 June 2020) organized by Jimmy McGilligan centre for sustainable development Indore on 4 June, 2020.

Dr. S. Ray completed six days online course on Bioinformatics from 18 -25 May 2020.

All teaching staff conducted online revision classes for B.Sc. I, II Year and M.Sc. II, IV Semester.

Participation of faculty members in different online programs is as follows-

S. No.	Activity	Name of Professors	Attended No.
01	International Webinar	1. Dr. S.Ray 2. Dr. M.Adhav 3. Dr. S.Shrivastava 4. Dr. P. Parashar	04 04 03 04
02	National Webinar	1. Dr. J.Sikka 2. Dr. S.Ray 3. Dr. M.Adhav 4. Dr. S.Shrivastava 5. Dr. P.Parashar	03 10 08 06 08
03	Quiz	1. Dr. S. Ray 2. Dr. M.Adhav 3. Dr. S. Shrivastava 4. Dr. P. Parashar	02 02 02 04
04	Resource Person	1. Dr. J.Sikka	01
05	Short term online course	1. Dr. J.Sikka 2. Dr. S.Ray 3. Dr. M.Adhav 4. Dr. S. Shrivastava 5. Dr. P.Parashar	01 01 01 01 01
06	Research paper published	1. Dr. S Ray 2. Dr. M Adhav 3. Dr. S. Shrivastava 4. Dr. P. Parashar	04 03 01 04

### Chemistry Department

Online revision classes of UG and PG students were conducted during this period. To organize this smoothly a departmental meeting was held on May 15, 2020 on Cisco WebEx, in which faculties were assigned the syllabus and instructed to prepare e-notes, power-point presentation, questionnaire of theoretical and multiple choice questions in both languages Hindi and English.

The online teaching was conducted using Cisco WebEx with the aid of PowerPoint presentation and test based on MCQ's were also taken using Google forms. Teachers also provided e-notes, important questions and links of e-books to students on Whatsapp group. Faculty members of the department actively participated in various self up-gradation activities like online quizzes, webinars, conferences and faculty development programmes also. Approx. 125 webinars/conferences, 05 workshops, 14 FDP and 125 quizzes were attended by all the teachers.

A departmental FDP was also organized using Cisco WebEx in which Dr. Ketan Topiwala talked about how to schedule online meetings and create Google forms.

Dr. Ketan Topiwala has delivered a talk on the topic "The Key of Golden Success in Chemistry Exam" in National Webinar organized by Seoni Degree College, affiliated to Barkatullah University, Bhopal on 7 June 2020.

Dr. Rishina Natu has made a video on "Hum honge kamyab ek din" with college students. She has taken 30 days webinar on personality development and communication skills and behavioral skills at the time of lockdown. She has taken online dance classes also and helped in mask making in bastis.

Dr. Dhananjay Dwivedi delivered an expert talk on Impact of Worldwide lockdown on Environmental Upgradation in a National conference organized by Govt. Holkar Science, Indore. On the occasion of completion of about 75 years of Independence, Ms. Rachana Dwivedi has participated in Pledge by My Govt. for building a New India by 2022.

Dr. Darshana Rodric has been appointed as Peer reviewer for Publons Academy.

