



*G.B. Chairman
Shri Jayendra Bhai Patel*

I congratulate the team of *Ahalad* for organizing the annual function successfully. The students look forward to the annual day celebrations, and therefore the annual function is always a much awaited event for any institution. I also extend my good wishes to students who have performed well and won prizes in academics, sports, cultural activities and to the NCC Infantry and Air Wing cadets and the NSS volunteers. Students who have not won should try their best to be on stage next year. Success always is a result of dedicated hard work. It is now time to focus on studies and perform in the annual examinations. Time management and perseverance are the mantras that will always be beneficial to students who apply them. I wish all students the very best of luck for the forthcoming exams.



Shri Gujarati Samaj, Indore
PMB Gujarati Science College
Accredited with grade 'A' by N.A.A.C. in IInd cycle
PERIHELION



From the Principal's Desk

The annual festivities in the form of *Ahalad*, the annual function of the college was a great success. The participation of students in various activities was enthusiastic. The culmination of achievements of students is marked by the prize distribution ceremony. The prizes to students who excelled in academics, sports, cultural, NCC, and NSS activities were given away in the graceful ceremony. The practical exams of B.Sc. IIIrd year were conducted smoothly and the theory exams are about to begin. In a way, the wrap up of year long activities begins in the third quarter of the academic session, with the focus on examinations in the final leg of the year. Staff

members continued with publication of research papers and paper presentations in seminars and conferences. Various departments conducted departmental activities successfully, which also are fruitful for students in many ways. Our students have participated in some inter college activities and won prizes too. I congratulate them on their achievement. I hope this trend continues in future and we can nurture not only the college but also Shri Gujarati Samaj, Indore.

News at a Glance

Dr. K. Venkatraman delivered a guest note on 'Indigenous Technologies for Viksit Bharat' in National Science Week 2024 organised by SGSITS, MPEST and NCST, Government of India on 14 March 2024.

Dr. Ketan Topiwala was appointed as Observer by RGPV, Indore, from 05-02-2024 to 08-02-2024 at Parijat College of Pharmacy, Indore.

Dr. Dhananjay Dwivedi was invited as Judge on National Science day 28-02-2024 at M.J.B. Govt. Girls P.G. College, Indore, for the judgment of Science Exhibition, supported by Higher Education Bhopal and MPCST.

Dr. Deepa Vanjani was Media Representative for UK based magazine *Confluence - South Asian Perspectives*, during the Jaipur Literature Festival from 1-4 February 2024.

दिनांक 25.2.2024 को अखण्ड सन्डे द्वारा वार्षिक विशेषांक अखण्ड काव्यधारा 2024 भाग 04 साझा संकलन में डॉ. ज्योति सिंह की काव्य रचनाएं प्रकाशित हुईं।

Some staff members of the college have been appointed as Master Trainers in the forthcoming Lok Sabha elections 2024.

Dr. Priti Vyas was nominated as member of RAC (Research Advisory Committee) of Life Sciences, for the third year consecutively.

Flying officer Mukul Sharma, ANO, 1MP AIR Sqn. has been commissioned DC.

*Quarterly Newsletter -
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Department of Chemistry



*Dr. Ketan Topiwala
Awarded Certificate DAVV,
Indore*



*Dr. Dhananjay Dwivedi as a
judge in GDC College*



Departmental Activities:

- Under the guidance of Dr. Dhananjay Dwivedi and Ms. Reetika Shah, students of B.Sc. III Year from M.J.B. Govt. Girls P.G. College, Indore, successfully completed their internship program/project work on the topic "Chemical Analysis by Instrumental Techniques" from 29 January 2024 to 5 February 2024, in the Department of Chemistry, P. M. B. Gujarati Science College, Indore. In this program students were trained in the operation and applications of various electronic digital instruments for chemical analysis.
- M. Sc. Final year Chemistry students attended one-week workshop on "Use of Technology for Waste Management: Future Vision" organized by Department of Chemistry, Shri G.S.I.T.S., Indore, sponsored by MPCOST, from 05-02-2024 to 10-02-2024.

Staff Achievement/Participation in Seminar, Conference, Workshops:

Dr. Ketan Topiwala:

- Attended Alumni meet at DAVV, Indore, on 26 and 27 January 2024.
- Participated in one day Principals' workshop on "Challenges and Opportunities of National Education Policy 2020" organized by Malviya Mission Teacher Training Centre in collaboration with College Development Council, DAVV, Indore, on 23-02-2024.
- Appointed as Nodal officer and received a certificate for the successful upload of the data of All India Survey of Higher Education (AISHE) 2022-23.

Dr. Dhananjay Dwivedi :

- Invited to deliver expert lecture on the Applications of UV-visible Spectroscopy organized by Govt. P.G. College Mandsaur on 27-02-2024 under the banner of IUPAC on the eve of Global Women Breakfast-2024.
- On 23-02-2024, invited as resource person to give a lecture on Photochemistry in Govt. P.G. College, Ratlam.

Research Activity:

- Four students registered for Ph. D. award in DAVV under the supervision of Dr. Dhananjay Dwivedi through RDC.

Contribution and Role of Faculty Members in College Activities:

- Dr. Ketan Topiwala, convener of the College for 5km Marathon organized by Shri Gujarati Samaj, Indore, on 15-01-2024.
- In the annual function of our College, Prof. Pragna Desai, convener of Rangoli and Salad decoration competition.
- Dr. Rushina Natu was the convener of the program.
- Dr. Dhananjay Dwivedi, convener of Discipline committee.
- Ms. Reetika Shah, member of Quiz competition.
- Dr. Rashmi Sharma and Dr. Darshana Rodric, member of Antakshri competition.
- Dr. Vandana Sharma Choubey, member of Mehendi and Dance competition.

Department of Computer Science & IT

A one-week chart exhibition for all students was organised from 2 January 2024- 6 January 2024. Charts were prepared by the students on various topics under able guidance of faculty members. The exhibition was inaugurated by principal Dr. Kiran Dixit and convener was Prof. Govind Kaithwas.

This year all students completed their internship work successfully in various industries like manufacturing, IT, cement, consumer durables, automobiles etc.

Prof. Sanjay Sharma completed a computer online course in online trading in stock market during August to September. He was appointed as member of Board of Studies in Cyber Security Department, Holkar Science College Indore. Prof. Sharma was winner in the teacher's badminton and table tennis tournaments organized by the college. Prof. Manisha Shah was winner in chess and runner up in table tennis. Prof. Brajesh Vijaypuriya was runner up in chess & carom.

Prof. Manisha Shah was invited as judge in Kasturbagam Rural Institute, Indore for Mehendi, Salad, Rangoli, Mandna competitions.



Department of Physics

The department shifted to the new building in the Sardar Patel premises. Dr. Pravin Kekre and Prof. Mayur Mota have been appointed as Master Trainers in the forthcoming Lok Sabha elections. Dr. K. Venkatraman delivered a talk as guest speaker in the Valedictory session of the FDP organised for research supervisors by School of Social Sciences, DAVV, on 9 March 2024. Students of B.Sc. III year participated in Science Day celebration organised by UGC-DAE-CSIR Indore.

Department of Microbiology

Vigyan Srujan-National Science Day celebration

National Science Day was observed on 28 February 2024 by organizing Vigyan Poster Competition and Agar Art Contest.

The theme of National Science day 2024 is "Indigenous Technologies for Viksit Bharat", based on which the themes of the poster completion were adapted. These included, Technology for Atmanirbharta, Technology for the Future, Architectural Technology in Ancient India, Indian Technology Masters: Scientists who made a Difference. Dr K. Venkataraman and Dr DeepaVanjani judged the poster competition. Prof. Mayur Mota and Ms. Durga Korimilli judged the Agar Art contest.

Winners of both competitions are as follows -

Poster competition

Post-graduate Category

I Prize: Pratima Padlak
II Prize: Aditi Pawar
III Prize: Priya Dwivedi, Aastha Solanki
Chawda

Agar Art Contest

Post-graduate Category

I Prize: Aditi Pawar I Prize: Prathna Patel
II Prize: Pratima Padlak
III Prize: Piyush Modi
Consolation Prize: Divya Mishra

Under-graduate Category

I Prize: Siddharth Marawi
II Prize: Prathna Patel
III Prize: Surya Pratap Singh

Under-graduate Category

II Prize: Mahak Khatri
III Prize: Pallavi Jaweriya
Consolation Prize: Saniya Rathore

Entrepreneurial workshop on "Plant Growth Promoting Rhizobacteria (PGPR): Diversity to Utility"

A three days entrepreneurial skill development workshop on "Plant Growth Promoting Rhizobacteria (PGPR): Diversity to Utility", was organized from 11th March to 13th March, 2024. The workshop was sponsored by Association of Microbiologists of India (AMI) and organized under the guidance of Dr. Lilly Ganju, CC Member, AMI.

The workshop was inaugurated by Dr. Kiran Dixit, Principal and Dr. Rashmikant Sanghvi, AO.Dr. Smriti Saxena, Asst. Prof., Babulal Gaur Government PG College, Bhopal was the resource person of the workshop.

The workshop provided hands-on training on the preparation of commercial bioformulations for farm applications.

In the valedictory function, an expert lecture by Mr. Nitesh Jasani Founder, Jaiv Vatika, on the topic- 'Biofertilizer Applications: From Lab to Field' was arranged.

About 38 students and faculty members were benefited from the training. Dr. Nandini Phanse was Convener, and Dr. Mahima Golani was Co-ordinator of the workshop.



Micro - NSD



Micro- PGPR Workshop - Inaugural session



Department of English

Departmental Activities

On 12/01/24, in the function organised to mark Youth Day, the department displayed books based on the philosophy and thoughts of Swami Vivekananda to motivate the students to borrow these books. This was part of the India Reads initiative of ELTAI Indore Chapter, for which the college has institutional membership. The department has been issuing books to students from its departmental library for the last many years.

The Knowledge Gallery poster in the month of January was based on life quotes of William Shakespeare.

Involvement in College Activities

Mrs. Kusum Joshi worked as Convener of the Dance Committee during the college annual fest *Abhyuday* organised in the month of January. She was member of the Inter-College Solo Singing committee.

Academic Upgradation

Dr. Deepa Vanjani presented two papers:

- 'Graphical Representation of Otherness, Subversion and the Subaltern in Persepolis by Marjane Satrapi' in *National Conference on The Confluence of Literature, History and Culture: Negotiating Differences Through Intercultural Dialogue and the Third Space* organised by Research Department of English, School of Languages and Culture of St. Xavier's College (Autonomous), Palaymkottai, Kerala, 23-24 January 2024.
- 'Degendering the Gender Narrative: Manjula Padmanabhan's Unprincess and Suki' in *International Interdisciplinary Conference on Methods, Aesthetic, Genres in Language, Literature and Communication* organised by Poornima University, Jaipur, 2-3 February 2024.

Display of Knowledge Gallery Poster



Dr. D. Vanjani being felicitated by Shri Gujarati Samaj Indore on completion of 25 years of service in college.



Prof. Vaishali B Bhale in Kasturbagram Rural Institute



Dr. Satyendra Sharma with silver medal at Gymkhana



Felicitations of winner cricket team

Department of Electronics & BCA

To enhance academic performance of students, the department organised expert lectures in field of hardware and software:

Dr. Pradeep Purey from Maharaja Ranjit Singh College delivered an expert lecture on "Communication Electronics and its Application" & "Microprocessor & Microcontroller Application" on 16 February 24 and 22 February 24 respectively.

Dr. Arpana Bharani and Dr. Vishwamitra Tiwari from SCMKVM delivered expert lecture on the topics "Basics of Python Programming" (12/03/24) & "Computer Graphics in IT Industry" (16/03/24).

Prof. Vaishali Bhale has invited as judge in many cultural activities like mehendi, mandna, collage-making, rangoli etc in Annual function of Kasturbagram Rural Institute on 19/03/24.

Department of Sports

Our college Cricket team won the 3rd and 4th position Cricket match in the Inter College Tennis Ball Cricket Tournament organised by Shri SKRP Gujarati Homoeopathic Medical College at Schema no. 54 cricket ground. We defeated the host college by 9 wickets. Rohit Ghodela of M.Sc. IIIrd semester was awarded the man of the match trophy. Batting first, opponent scored 76 runs in 10 overs and our college boys achieved this target of 77 in only 5 overs and secured 3rd position.

Department of Mathematics

Under the UG Academic Development Program in the Department of Mathematics, UG students and Prof. Seema Vora and Prof. Rinku Jain participated in the National Mathematics Day 2023 organized at GSITS on 4-5 January 2024. Students participated in various competitions and received awards.

Under FDP in the Department, all the academic staff participated in three-day workshop on Bhartiya Ganit Shastra from 9-11 February 2024.

Prof Rinku Jain, Assistant Professor in the Department, presented a paper in the National Conference on 'New Thrust Areas in Mathematical Science' in Govt. Geetanjali Girls College, Bhopal. Under PG Academic Development program, students and Prof Rinku Jain participated in the National Science Week 2024 on Indigenous Technologies for Viksit Bharat from 11-15 March 2024 organized by GSITS. As part of the UG Academic development program an essay writing competition was organised on 28 March 2024. Prizes were given to students who won.



Dr. Priti Vyas interacting with principals



Best student Award



Dr. Ray with students during industrial visit



Ms. Krishna Joshi being felicitated

Department of Biotechnology

Dr. Priti Vyas was invited as one of the Judges in the “Baal Vigyan” event at Golden International School, Indore. Under the aegis of “College Chalo Abhiyan”, Dr. Vyas interacted with principals and teachers of Golden International School, Choithram School, IPS Academy, Delhi Public School, St. Arnolds School, Vidhyasagar School, and Agrawal Public School. Surya Pratap Singh of B.Sc. I yr (Biotechnology) participated and won consolation prize in “Vigyan Srijan” Poster Competition organized by Microbiology Department. Dr. Priti Vyas, Ms. Poonam Vijaypuriya and Ms. Pallavi Sharma attended a workshop “PGPR- Diversity to utility” organized by Microbiology Dept.

Department of Botany

Awards

Dr. Sudip Ray Head of Botany Department was honoured with International Global Icon Environmental Award 2024 for excellence in educational services by G.K.SSS.

Miss Krishna Joshi, technician in the department, was honoured with Rashtra Mata Pannadhay ,Gujari Samman by R.S.S.

Student of M.Sc. III Semester Sneha participated in west Zone and Inter Zone University football in women tournament. She is also participated in state level sport individual Competition. In Running, Nikita Rajput M.Sc. III Semester participated in All India Inter University Competition West and South Zone Inter University Championship in Weightlifting.

Industrial Visit

B.Sc. II Year students visited Allwin Industries along with head of department Dr. Sudip Ray.

Expert lecture & Ph.D. Examinership

Dr. Sudip Ray delivered expert lecture on “Plant Taxonomy: AIMS, Principles phase and significance at Department of Botany Bhagat Singh Govt. P.G. College, Jaora.

Dr. Sudip Ray was appointed as a Ph.D. Examiner to evaluate Ph.D. thesis of Ms. Pawar Geetanjali Shyam Rao Sewami Ramanand Teerth Marathwada University Nanded, Mr. Balaji Keshav Rao Dudhata of SRTM University, Nanded and Mr. Kolhe Pravin Haribhau of Dr. Baba Saheb Ambedkar Marathwada University.

Workshop

Faculty members of the department participated in entrepreneurial workshop on ‘Plant growth promoting Rhizobacteria (PGPR): Diversity to Utility’, 11 - 13 March 2024 organised by PG department of Microbiology.

Mr. Avedhesh Dohere attended Indian Pharma Fair on “Accelerating Pharmaceutical Interaction and Growth”, 15-16 March 2024, at Sheraton Hotel. Indore.

Research Papers and Book Publication

- Dr. S. Ray on *Invasive plants of Indore District, M.P. and their impact on Indigenous flora* has been published in Journal of Emerging Technologies and Innovative Research June 2023, Vol.10(6), P 1-7 ISSN 2349-5162.
- Dr.Madhavi Adhav and Krati Ghavri on ‘*Comparative identification of functional groups present in morphotypes of Thevetia peruviana (pers) K. Schum*’ in Journal of Science Spectrum Vol. (1), Issue (2) 2023, P₇₅ ISBN 97881 95911300-80.
- Dr. Sudip Ray: book series for B.Sc. II Year, published by Devi Ahilya Publication.

PTA meeting

The department organised PTA meeting for M.Sc. students on 29 Feb. 2024. Dr. Sudip Ray addressed the meeting and talked about various departmental activities. Students and parent discussed their problems with faculties.

Student Achievers

- M.Sc. IV Semester Botany student Mini K.P. stood in merit list of D.A.V.V.
- Ms. Jhanvi Sharma (M. Sc. Chemistry) pass out (2022) student of our college, has been selected for joining Indian Navy as Sub Lieutenant in the Education branch. Presently she is undergoing 1year training at the Indian Naval Academy, Ezhimala, Kerala.
- The Air Wing cadets Ayush Bilwadia, B.Sc. II year, were participants in the inter-group pre- RDC competition on 21 October 2023 that won a trophy.
- Shruti Rajora, Ayushi Pal, Vinay Solanki, Siddharth Marawi, Mayank Chouhan, Balraj Dhakad won 11rd prize in the Wall of Fame activity in the carnival Agnayey organised by Daly College School of Business Management on 22/03/24.



Figure Dr. GD Sharma at the Tata Mumbai Marathon



Matdata Jagrukta activity conducted by Dr. Vibha Dave



Basant Panchmi celebration by Hindi Department



Students during speech making



Students won III prize in Wall of Fame activity at DCBM

Department of Zoology

Pre-PhD viva of Simran Raghuvanshi was conducted in the department. She is working on the topic "Effects of Spirulina Plantensis as a Dietary Supplement to Earthworm (Eisenia Fetida) in Vermicomposting" under the supervision of Dr. GD Sharma.

Dr. GD Sharma participated in the Tata Mumbai Procam International Marathon (one of the top 10 marathons in the world) and successfully completed 42.195 kms. (Bib no. 6344) on 21/01/24 in 5.44 hours. He also successfully completed the mini marathon of 21.02Kms in 2.15 hrs. (Bib no. 20276) in Indore Coal India Marathon organised by Indore Marathon Academy.

Dr. GD Sharma was appointed as Executive Magistrate for one month in Static Surveillance Team member for the 2024 elections.

Dr. Vibha Dave was appointed as Nodal Officer by the SDM, Indore Collector Office to organise various activities under Matdata Jagrukta Abhiyan for the Lok Sabha 2024 elections.

हिन्दी विभाग

हिन्दी विभाग द्वारा दिनांक 19.1.2024 को राष्ट्र के गौरव श्रीराम प्राण प्रतिष्ठा समारोह के अवसर पर विभिन्न गतिविधियों का आयोजन किया गया। जिसमें स्लोगन प्रतियोगिता निबंध प्रतियोगिता तथा भाषण प्रतियोगिता का आयोजन किया गया। जिसमें महा. के छात्र छात्राओं ने बड़ी संख्या में भाग लिया। साथ ही महाविद्यालय के शैक्षणिक एवं अशैक्षणिक स्टाफ ने भी भजन एवं राम गीत की प्रस्तुती दी। महाविद्यालय के वार्षिकोत्सव कार्यक्रमों में विभाग की श्रीमती ज्योति फडके क्वीज एवं डांस कमेटी में सदस्य रही।

दिनांक 30.1.2024 को महात्मा गांधी की पुण्य तिथि के अवसर पर विभाग द्वारा विभिन्न कार्यक्रमों का आयोजन किया गया। इसमें नशा मुक्ति तथा मद्यपान न करने की शपथ छात्र-छात्राओं को दिलाई गई साथ ही नशा मुक्ति पर स्लोगन प्रतियोगिता, भाषण एवं निबंध प्रतियोगिता का आयोजन किया गया। जिसमें महाविद्यालय के छात्र छात्राओं द्वारा भाग लिया गया।

बसंत उत्सव कार्यक्रम के दिनांक 14.2.2024 हिन्दी विभाग द्वारा आयोजन किया गया। कार्यक्रम की मुख्य अतिथि अलंका भार्गव प्राचार्य पी.ई. टी.सी भी सर्वप्रथम महाविद्यालय के छात्र छात्राओं द्वारा सरस्वती वन्दना की प्रस्तुती की गई। महाविद्यालय के स्टाफ द्वारा बसंतोत्सव पर गीत एवं कविताओं का वाचन किया गया। कार्यक्रम का संचालन महाविद्यालय के छात्र अभय मिश्रा ने किया। कार्यक्रम संयोजक डॉ. ज्योति सिंह थी।

महाविद्यालयीन पुरस्कार वितरण समारोह 29 फरवरी को सम्पन्न हुआ। जिसमें बैड मिन्टन महिला शिक्षक वर्ग में डॉ. ज्योति सिंह को प्रथम स्थान के लिए पुरस्कृत किया गया।

मौ अहिल्या सेवा संस्था ध्वारा महिला दिवस दिनांक 10.3.2024 को सर्वश्रेष्ठ नायिका सम्मान अवार्ड प्रदान किया गया।

From:

P.M.B. GUJARATI SCIENCE COLLEGE

1 NASIA ROAD
INDORE. M. P.
PIN: 452001

Phone:
(0731)- 2703207

Fax:
(0731)-2700040

E-Mail:
pmbgscience@gmail.com
pmbgsc.com

To,

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Indore

