



G.B. Chairman
Shri Atul Bhai Somaiya

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Happy are those who
take life day by day,
complain very little, and
are **thankful** for the
small things that come
their way.

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

Quarterly Newsletter -
July -August-September 2018-
Issue-20-
Year-5-



From the Principal's Desk

The beginning of the new academic session always calls for a fresh lease of energy to fulfill the commitments of the entire year. The college saw good admissions as the 2018-19 session began. The session has been ushered in with timely implementation of the time table and the B.Sc. I year classes commencing in the 1st week of July. Theory and practical classes of II year and V semester also began on schedule. Departments chalked out their activity planners and also started with various academic and non-academic activities

for students. Induction programme 'Praveshotsav' for 1st year students was also arranged on 31/08/2018 and 01/09/2018. NCC Boys wing, NCC Air Wing, NSS and Sports activities took a good start. Various committees have been formed for carrying out various responsibilities. I am positive that we will all get together and do our best in all our endeavours to make this a successful year.

News at a Glance

Dr. Jaishree Sikka has been nominated as member Board of Studies in Environmental Science, Kasturba Gram Rural Institute for two academic sessions 2018-2019.

On 15-08-2018, Dr. G. D. Sharma was given a medal and e-certificate on completion of 57 km in 12 hours during the "TIRANGA RUN" organized by Indore Super Charger. This event was organized in M.P. for the first time and only 25 participants were registered for the 12 hours run.

Dr. Nandini Phanse was felicitated for her contributions in academics & research by PG Tech Research Institute, Indore, on 21-07-2018.

Dr. K. Venkataraman has been nominated as Member of Academic committee for Vigyan Vidyarthi manthan (VVM)-2019. He attended the workshop of VVM in Pune.

Dr. Sudip Ray is nominated as member of Board of Studies of Microbiology, Holkar Science College for the session 2017-18 and 2018-19.

Dr. Deepa Vanjani was felicitated with 'Nation Builder Award' by Rotary Club of Indore Greater with a in a function organized on 23 September 2018 for her contribution as a teacher.

डॉ. ज्योति सिंह को हिन्दी दिवस (14-09-2018) पर तुलनात्मक भाषा अध्ययन शाला, दे.अ.वि.वि. में अतिथि विद्वान के रूप में आमंत्रित किया गया।

Ms. Juhi Verma has cleared Chemistry MPPSC-2018 exam and has been selected for the post of Assistant Professor, at state level.

M.SC. III semester Zoology result for 2017 was 100% and 15 students out of 21 got a 1st division while M.SC. I semester result was 89.29%.

Microbiology Department



Dr. Prashant Kodgire delivering a talk on "Revolutionary discoveries of modern biology"



'Synergy' Peer Interaction Programme; Microbiology Department



Teachers explaining about varieties of plant specimens to the students



Pre-Ph.D. presentation of Ms. Priya Trivedi

"Insight" an induction programme for M.Sc. Microbiology students was organized on 4th & 6th August 2018. Chief Guest, Dr. Prashant Kodgire, Associate Professor & Ramanujan Fellow, Biosciences & Biomedical Engineering, IIT, Indore, delivered a talk on "Revolutionary discoveries of modern biology". Dr. Jaishree Sikka, Acting Principal and Dr. Nandini Phanse addressed students. Ms. Namrata Chouhan & Ms. Surabhi Porwal conducted the programme. Ms. Mahima Golani presented vote of thanks.

Peer Interaction Programme - Synergy- was organized for B.Sc. I year students on 14.08.18, during which senior students of Microbiology determined blood groups of B.Sc. I year students. Academic activities like Microbiology quiz, distribution of Hindi-English dictionary and learning by educational videos, were other highlights of the programme. Principal Dr. Kiran Dixit & Dr. Nandini Phanse, Head, Microbiology, addressed students. The programme was compared by Priyanka Notwani, Anas Khan while the quiz was conducted by Kanak Khanderia. The programme was co-ordinated by Ms. Kiran Paliwal & Ms. Vartika Mishra.

Dr. Nandini Phanse delivered an expert lecture on "Antibiotic Resistance - Are we heading towards a pre- antibiotic era?" during the M.Sc. Induction Programme of Microbiology & Biotechnology at SJHS Innovative College, Indore, on 21.08.18.

Ms. Mahima Golani & Ms. Shivalika Khode published a research paper entitled "Prevalance of antibiotic resistant bacterial isolates and characterization of plasmid DNA conferring MDR via conjugation from potable water sample" in International journal of advanced biological research, Vol.8 (3), Aug.2018.

Ms. Mahima Golani convened the event management of B.Sc. induction programme of college.

Botany Department

Visit to Carl Linnaeus Museum & Hargobind Khorana Museum was arranged for B.Sc. I year students in September. The teachers explained about varieties of plant specimens such as Insectivorous plants, Medicinal plants, Lichens, Algae, Fungi, Bryophyta, Pteridophyta, Gymnosperm, Fossils of plants existed millions of years ago.

Two pre-Ph.D. presentations were held in the department. The first presentation of Smt. Nutan Rajput was held on 12/7/2018. On 21/07/2018, Pre-Ph.D. presentation of Ms. Priya Trivedi, faculty of the department, was held. Her supervisor is Dr. O.P. Joshi, ex-Principal, P.M.B. Guj. Sci. College, Indore & Co-supervisor is Dr. Kishore Pawar, Head, Department of Seed Technology, Holkar Science College, Indore.

Dr. J. Sikka, Dr. S. Ray, Dr. M. Adhav, Dr. V. Dubey, Dr. S. Shrivastava, Ms. Priya Trivedi, Dr. Preeti Parashar, Dr. Charulata Shah & Dr. M. Arora attended workshop on "Changing Environmental scenario: Problem and Solution", organized by Department of Botany, M. J. B. Govt. P.G. College, Moti-Tabela, Indore from 4/9/2018 to 10/9/2018. Dr. S. Ray was appointed as Manager of college team for inter-college Football competition held at Holkar College, Indore on 13/9/2018. Dr. M. Arora completed her B.Ed. from AISECT University, Bhopal. She also reviewed a paper entitled "Anti-fungal activity of different size controlled stable silver nanoparticle biosynthesized by the endophytic fungus aspergillus terreus" for ASSIUT University, Egypt. Ph.D. fellows of the department Dr. Shilpi Patel and Shri Suresh Rawat have been selected for the post of Asst. Prof. through MPPSC exam. Ms. Priya Trivedi was appointed as a Manager of college team for Basketball competition held at Holkar College, Indore on 13/9/2018.

B. Baraiya, V. Satya and Dr. S. Ray published a paper in International Journal of Agricultural Sciences, vol.10, Issue-14, ISSN No. 09753710. Krati Gharvi & Dr. Madhavi Adhav published a paper in Pharmacognosy and Phytochemistry, 2018 : 7(5):539-541 EISSN No 2278-4136. Krati Gharvi & Dr. M. Adhav published a paper in Pharma Innovation Journal 2018, 7(9): 314-318 ISSN : 2277-7695.

Electronics Department

To enhance academic performance of students, the department organized a lecture for B. Sc. and BCA students by Prof. Ajay Verma from Christian Eminent College, Indore on the topic "Applications of Utility Software" on 25-08-2018.

Mr. Manish Joshi has been invited as a core committee member at National Yoga Festival at Jaipur from 21 July to 23 July 2018.



Chemistry Department

Dr. Dhananjay Dwivedi published a research paper on "Evaluation of Physico-chemical parameters of water quality of Mahi River" in IJRAR September 2018, vol. 5, issue-3 (E-ISSN2348- P.ISSN 2349-5138). He has also published an abstract on "Availability of heavy metal ions in some medicinal herbs determined by atomic absorption spectrophotometer" in a seminar at Govt. Old GDC College, Indore.

Dr. Rishina Natu and Dr. Vandana Sharma Choubey were the active members of college admission committee for the academic session 2018-19. Ms. Rashmi Sharma worked as a member Induction Programme committee.

On 11-09-2018, Dr. Rishina Natu conducted a workshop arranged by Physics department of making eco-Ganesha idol, to spread awareness about Eco-friendly Ganesh Utsav.



Workshop of making Eco-friendly Ganesha idol by Dr. Rishina Natu

Zoology Department

Dr. G.D. Sharma, member of the Board of Studies of Zoology, attended its meeting to discuss the PG Zoology course at the Department of Zoology, Mata Jijabai Girls P.G. College Moti-tabela Indore.

On 4.8.2018, Dr. G.D. Sharma participated in "RAINTHON", a 21 K.M. marathon, organized by Indore Marathon Academy and completed it in 2 hours 31 minutes. After successful completion a medal and e-certificate was given to him.

From 6 to 8 August 2018 students of class XI and XII and staff members of RRMB Higher Secondary School, Indore visited the departmental museum. The students had many queries which were solved by the faculty members of the department.

Dr. Shitika Barkale & Ms. Pooja Sharma joined the department as faculty members. Pre-Ph.D. presentation by Zaffer Iqbal Bhat & Mangilal Maida students of Dr. G.D. Sharma were held in the department on 3.8.2018 & 25.8.2018 respectively.

During the induction programme on 31.8.2018 & 1.9.2018 departmental highlights, future prospects and importance of Zoology were made known to students under the guidance of Dr. Vibha Dave.



Dr. G.D. Sharma was given a medal on successful completion of 'TIRANGA RUN'

English Department

The department arranged the communication skills development programme *Finesse* for registered students of all years. The programme was inaugurated on 23 August 2018 in the Computer Science Lab. Mr. Rachit Ghate, Director *Career Fort*, Founder *Swagyan*, and author *{Bring 'em On}*, Ms. Parul Wagh, Storyteller & Founder *Katha Kathan*, & Dr. Alka Tomar, Educationist and writer, were invited as felicitators to conduct various sessions. The sessions included vocabulary building, situational English, book conferencing, group discussion, film viewing and evaluation, and self assessment test. The students were divided into four groups and assigned tasks, based on which they made presentations.

A Peer-Learning activity was arranged for students of B.Sc. I year. Ankit Verma of M.Sc. Botany I year, engaged the English class and dealt with a lesson and its various aspects.

Dr. Deepa Vanjani's abstract has been accepted for presentation in a symposium on Emily Bronte at 200 to be organized on 16 November 2018 by the Diamond Harbour Women's University in collaboration with Center for Victorian

Studies, Jadavpur University, Kolkata. She was invited as a judge in the poetry recitation competition organized by Sri Sathya Sai Vidya Vihar, Indore on 24 August 2018. She was invited as Resource Person in the Faculty Development Programme organized by IPS Academy, Indore on 3 July 2018. The FDP theme was 'Developing Competence and Communication Skills for Global Professional Excellence'. She was invited as Resource Person in College to deliver a motivational lecture on 'Empowering Oneself Through Knowledge, Compassion, and Emotional Intelligence' on 26/09/2018 at Subhash Yadav Memorial College, Borawan, Khargone. Pre-Ph.D. viva of Dr. Vanjani's student Ms. Meghna Raikar was held at the School of Comparative Languages and Culture, DAVV, Indore.

Ms. Kusum Joshi attended the FDP 'The Theory and Practice of Reading and Teaching English' on 14 September 2018 at Shri Vaishnav Vidyapeeth Vishwavidyalaya with Dr. Tej Nath Dhar as the Resource Person. She also worked as member of the college Induction & FDP committees.

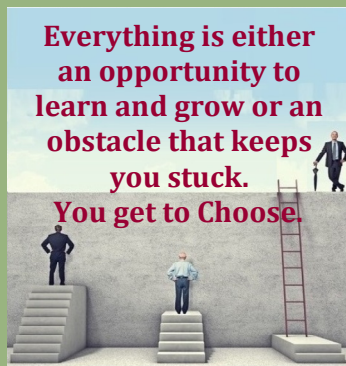
Ms. Shweta Patidar joined the department as Asst. Prof. in place of Dr. Poonam Nagar, who resigned from the department.



Ms. Parul Wagh conducting Situational English session during *Finesse*



Peer learning activity by Ankit Verma, M.Sc. Botany



**Everything is either
an opportunity to
learn and grow or an
obstacle that keeps
you stuck.
You get to Choose.**



*Kavya Paath on the occasion of
Hindi Divas*



*Eco-friendly Ganesha making
workshop participants at
Biotechnology department*



*Dr. Sanjeev Kumar, Scientist
DSR (NRCS) delivering talk on
"Agrobacterium"*

Mathematics Department

दिनांक 07-07-2018 को विभाग में स्व. बिजेन्द्र सिंह स्मृति मेधावी विद्यार्थी पुरस्कार कार्यक्रम का आयोजन किया गया। जिसमें उन विद्यार्थियों को पुरस्कृत किया गया, जिन्होंने सन् 2015 से सन् 2017 तक M.Sc. में सर्वोच्च अंक प्राप्त किए। कार्यक्रम में स्वाती सिंह ठाकुर, रोशनी चडोकर, शुभम पटेल, एवं रिकू जैन को पुरस्कार प्रदान किया गया। कार्यक्रम में विशेष अतिथि के रूप में डॉ. ममता सिंह, शारदा सिंह, एवं डॉ. व्ही. एच बादशाह उपस्थित थे। विभाग में सितम्बर माह में कु. कुनिका तिवारी तथा गौरव उपाध्याय ने सहायक प्राध्यापक के पद पर अपना कार्य ग्रहण किया।

Hindi Department

महाविद्यालय की वार्षिक गतिविधियों में डॉ. ज्योति सिंह की सहभागिता संयोजक - पत्रिका समिति, बापू की 150वीं जयंति के उपलक्ष्य में आयोजित वार्षिक कार्यक्रम, उठो जागो!। डॉ. ज्योति सिंह जुलाई-सितम्बर 2018-19 में खेल समिति द्वारा 28.09.18 को शास. होलकर विज्ञान महाविद्यालय गई। दिनांक 10.09.18 को डॉ. सिंह की विद्यार्थी श्रीमती सुनीता शर्मा की पीएच.डी. की मौखिक परीक्षा सम्पन्न हुई एवं पीएच.डी. की उपाधि दी गई। डॉ. ज्योति सिंह 15.09.2018 को हिन्दी दिवस के उपलक्ष्य में आई.के.डी.सी. में विशेष अतिथि के रूप में आमंत्रित की गई। एवं 27 सितम्बर को अंतरमहाविद्यालयीन सीधी संभाग स्तरीय बैडमिंटन [महिला] प्रतियोगिता 2018.19 में श्री एस. आर बी.पी. गुजराती प्रोफेशनल इंस्टिट्यूशन द्वारा आयोजित टीम मैनेजर बन कर गयी तथा 28 सित. को शा. होलकर विज्ञान महाविद्यालय में गयी। डॉ. तृष्णा शुक्ला, मिशन ग्रीन एवं महाविद्यालयीन स्वच्छता की संयोजक बनी एवं प्रवेश समिति तथा इन्डक्शन कार्यक्रम की सदस्य। विभाग द्वारा दिनांक 18.9.18 को काव्यपाठ का आयोजन किया गया जिसके मुख्य अतिथि योगेन्द्रनाथ शुक्ल थे उन्होंने हिन्दी भाषा एवं भारतीय संस्कृति के महत्व पर प्रकाश डालते हुये विद्यार्थियों को मातृभाषा का महत्व बताया काव्य पाठ में विद्यार्थियों एवं शैक्षणिक एवं अशैक्षणिक कर्मचारीगण ने बहुत संख्या में भाग लिया।

Biotechnology Department

The beginning of the new session 2018 - 2019 was marked with various activities for an overall development of students. A good number of admissions tell the success story of the department & the college. Ms. Poonam Vijaypuriya was an active member of the admission committee. In this session department of Biotechnology also introduced a new subject combination of Zoology for the students of B .Sc. Biotechnology. Dr. Priti Vyas, Head was the co-convenor of the induction programme of the college.

Looking at the environmental problems, an eco-friendly "Ganesha Making Workshop" was organized by the department on 11th September 2018 for B.Sc. I year students. Mrs. Parul Soni, MKHS Gujarati Girls College, Indore, was invited to conduct the workshop. Around 45 students actively participated in it. On 25-09-2018 a scientific movie "The Martian", based on life on Mars, was shown to the students of B.Sc. I year. A guest lecture on "Agrobacterium" was organized by the department on 27-09-2018. It was delivered by Dr. Sanjeev Kumar, Scientist DSR (NRCS), Indore. It was conducted for B.Sc. Biotechnology V semester students. M.Sc. Microbiology students also attended it.

Computer Science & Information Technology Department

Ms. Manisha Shah has been appointed as convener of Anand Mela, Mr. Brajesh Vijaypuriya convener Anti-Ragging Committee (SPB-Building) & Mr. Govind Kaithwas as member of NSS unit. Mr. Sanjay Sharma was appointed as Team Manager for Inter- Collegiate Badminton Tournament held at St. Paul College of Professional Studies on 19-9-2018. Mr. Brajesh Vijaypuriya was appointed as Team Manager for Inter Collegiate Kho-Kho Tournament held at IKDC, Indore on 22-9-2018. The departmental website <http://www.pmbgscsit.in> has completed one year on 'Teachers' Day [5-9-2018] & got tremendous response from students with got 55000 hits till Sep-2018. This website was mainly designed and developed for students of Computer Science & Information Technology which allows them to test their web based codes on various sub domains available on it. Result of B.Sc. I year was announced and found to be satisfactory. B.Sc. IV semester Computer Science and Information Technology result is 95%. On 29/09/2018, an expert lecture was arranged for Computer Science students of B.Sc. V semester in which Mr. Rafay Nadvi from Sterling Institute delivered a talk on Technology Awareness.



Physics Department

The department of Physics conducted lectures by Dr. Sandeep Atre, Director, CH-Edge Makers for B.Sc. I year students on 5 September 2018.

Department also organized lectures on Awareness of Voting by Mr. Sudip Meena (E.R.O. Vidhana-Sabha No. 3) & Mr. Madhukar Pawar (Assistant Director, Ministry of Information and Broadcasting, Govt. of India). Mr. Vinit Kaushik, Technical Officer of Petroleum Conservation Research Association (PCRA) delivered a lecture on "How to Conserve Petroleum".

A workshop on eco-friendly Ganesh-making was arranged and conducted by Dr. Rishina Natu.

Dr. Pravin Kekre published a Research paper on "Correlation of Effective charge with Balaban Index" in Global Journal of Engineering Science & Research.

Dr. Ashish Dubey conducted a workshop

on Kabir at Canary's art National Art Gallery, Indore on 08-09-2018 under the aegis of 'Shabd Shilp'. His views on the passing away of famous Hindi writer Shri Amritlal Vegad were published in local daily Danik Bhaskar.

Dr. Pravin Kekre, Dr. K. Venkataraman, Dr. Sanjay Shah and Mr. Mayur Mota attended the lecture Aryabhata Memorial Oration-2018 on 27-09-2018 at SVVV, Indore.

Mr. Dron Mishra attended the workshop on "Laser & Optoelectronics" conducted by Indian Laser Association & SVVV on 1-2 September 2018 at SVVV Indore. He conducted a Swachhata Rally of NCC cadets of 2 M.P. ARMD SQN at Gujarati Innovative College of Commerce & Science under the Swachhata Pakavada, Government of India. He was team manager in district level inter college Wrestling tournament.



Lecture on Awareness of Voting



Rank Ceremony : NCC Airwing cadets



Inauguration of Prime Minister's 'Swachhata hi sewa' programme



Lamp lighting: Induction Programme



Induction Programme 'Praveshotsav 2018-19'

NCC Airwing Unit

Activity session for NCC unit started from 15 July with enrollment of 1st year cadets. The cadets were selected through physical test and interviews conducted by the unit Commanding Officer. All the cadets participated in Independence Day program and took the NCC oath. Some senior cadets have been awarded with ranks in the Rank Ceremony- Cdt. Ayush Agrawal with Cadet Under Officer, Cdt. Ruapli Gurjar with Cadet Warrant Officer and Cdt. Krishan Chand with Cdt. Warrant Officer. On 15 August 2018, Prime Minister's 'Swachhata Pakhwada' was flagged off with a cleanliness drive pledge on mass scale.

Praveshotsav 2018-2019

P.M.B. Gujarati Science College, Indore organized the Induction Programme 'Praveshotsav 2018-19' for welcoming students of B.Sc. I year on 31/08/2018 and 01/09/ 2018. The programme was conducted in the college auditorium in presence of the principal Dr. Kiran Dixit, with lamp lighting & Saraswati Vandana. Heads of all departments and staff members were present.

Dr. Vibha Dave was the convener of the program. Physical Sciences students attended program on 31-08-2018, while Biological Sciences students attended it on 01-09-2018. The students were welcomed at the entrance by senior peers and presented with a pen each. Ms. Kusum Joshi & Dr. Chetna Savita were incharge of this activity. An anti-ragging skit was presented by Mr. Aashish and his group. Motivational videos- 'Earth Voice' to give message of cleanliness and protecting the environment & Choti Choti Batein to promote nationalism were shown. There was a departmental presentation to introduce all departments and courses. Presentation of Physical Sciences subjects was done by Dr. Sanjay Shah on 31-08-2018. Presentation of Biological Sciences subjects was done by Dr. Preeti Vyas on 01-09-2018. Mr. Manish Joshi presented details of NCC Air Wing, NSS Unit & Sports on both the days. The program was conducted by Ms. Kiran Paliwal & Ms. Preeti Parashar. Vote of thanks was proposed by Ms. Seema Vohra & Ms. Rashmi Sharma. Student council secretary Ms. Tanvi Gamad interacted with students. Senior students arranged a quiz & a game with 1st year students. Students from Nursing College, conducted a blood donation related test & a motivational video.



*A talk by Shri Varun Kapoor, IPS
on Cyber-security*



*Meeting of Anti-Ragging
committee members*

Patron:

Shri Átul Bhaí Somaiya
[Chairman]

Chief Editor:

Dr. Kiran Dixit [Principal]

Convener:

Dr. Deepa Vanjani

Co-Convener:

Ms. Reetika Shah

Faculty Development Programme

A talk on Cyber-Security was delivered by Shri Varun Kapoor, IPS, Addl. Director General of Police [Narcotics, M.P./Director PRTS] was delivered on 09-07-2018.

Anti-Ragging Committee

Dr. G.D. Sharma, convener of the anti-ragging committee of the college, convened a meeting of the members of the committee on 22-07-2018 to discuss strategies for curbing ragging on the campus. Duties were allocated to the departments for maintain discipline. A banner carrying an anti-ragging message was also displayed in the central building of the college.

Student's Initiative 'Jigyasa'

Jigyasa is a students' group that lays emphasis on learning and individual growth in the college campus. It was founded by Ankit Verma, now pursuing M.Sc. in Botany from the college. Group discussions and story telling were conducted by the group in August and September. Currently it has 26 active members and a team of 6 core members.

Student's Achievement

Aman Ali, student of M.Sc. Sem. I, won a gold medal in junior category bench press weight lifting of Indore district level bench press championship, organized on 08.09.18.

United We Stand

Our hearts go out for the loss of life and property in the massive Kerala floods. We express our solidarity with the people of Kerala in this hour of calamity.

*Save Paper, Save Trees,
Save Earth, Plant Trees*

From:

**P.M.B.GUJARATI
SCIENCE COLLEGE**

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To,

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Indore.

