

Shri Jayendra Bhai Patel
G.B. Chairman

New session means new beginnings. It is time to look back and learn from things that went wrong and try to make up for them. We should remember that students are human resources whom we are shaping and preparing for the future. To create the society and country we dream of, the people have to be channelized. And as teachers we should be able to do that. If we are able to shape young minds and show them the right direction, rest of the things will fall in place. Our academic responsibilities should be our priority. I extend my good wishes to all for the new academic session and hope the performance of students is better than last year.

Patron:

Shri Jayendra Bhai Patel
[Chairman, GB]

Chief Editor:

Dr. Kiran Dixit [Principal]

Editorial Team:

Dr. Deepa Vanjani, Prof. Sanjay Sharma

Shri Gujarati Samaj, Indore

PMB Gujarati Science College

Accredited with grade 'A' by N.A.A.C. in second cycle

PERIHELION

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From the Principal's Desk

The beginning of the new academic session is a time to usher in fresh energy to keep the level of performance high. It is a time when admissions take place, classes begin, 1st year students start coming to college with new dreams, and departments plan their activities for the academic year. The admission committee has been working for ensuring smooth admission process. The theory classes commenced as per the calendar of Devi Ahilya

University. It is also a time of making fresh resolutions to “strive, to seek, to find...” and fulfill our responsibilities. I congratulate all the students of PG department for their excellent performance in examination.

News at a Glance

- Dr R. C. Sanghvi assumed charge as the Principal of the College, on superannuation of Dr Kiran Dixit on 30-09-2024.
- Dr. K. Venkataraman delivered two lectures on Indian Knowledge System as a Resource Person in UGC organized Refresher Course in Vedic Mathematics and Computer Science held in Malaviya Mission Teacher Training Center, on 18-07-2024 and 26-07-2024.
- Dr K Venkataraman chaired a session in a workshop on Indian Knowledge System and Mathematics, organized by Govt. of M.P. and D.A.V.V. on 22-07-2024.
- Students of Sri Satya Sai Vidya Vihar, Indore, visited the Department of Microbiology from 28 - 29 August, 2024. About 240 students of Class VIII

participated in the Microbiology Literacy Mission: “Microbes and You”, during the visit.

- Dr. Sudip Ray has appointed as Ph.D. examiner by SGB Amravati University, Amravati to evaluate the Ph.D. thesis of Ms. Trupti Jagtap.
- Dr. Ketan Topiwala was appointed as member of Board of Studies, M.L.B. Govt. Girls P.G. College, Bhopal. He attended a meeting to discuss about UG syllabus of Chemistry on 28-09-2024. Dr. Priti Vyas was appointed as examiner for dissertation viva for M.Sc. (Microbiology), Career College, Barkatullah University, Bhopal.
- Prof. Kusum Joshi from the English Department submitted her Ph.D. thesis. She has worked on the topic ‘Kazuo Ishiguro as a Post-Modern Novelist: A Critical Analysis’.



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Dr. Dhananjay Dwivedi giving lecture in Govt. Nehru College, Agar



Farewell programme of Dr. Kiran Dixit (Principal) – Copy



---Workshop Glimspes---



P.G. Department of Chemistry

Departmental Activities:

The academic session 2024-2025, began with the practical examination of M. Sc. II and IV Semesters in July-24, after shifting to the new building of our prestigious college.

A farewell program was organized by the department for Shri Dinesh Chouhan on 29-07-2024. He worked as a Laboratory Assistant in the department for about 8-10 years.

Dr. Kiran Dixit retired as the Principal of our college on 30-09-2024 after 43 years of long and dedicated service to the college. She worked as an enthusiastic and passionate teacher of Chemistry in the department of Chemistry for 36 years. She has the credit of writing several Chemistry books for both UG and PG level.

M. Sc. IV semester Chemistry results were declared in October 2024. Ms. Priyanka Singh stood first in the class with 77.85%.

Participation of Staff in Academic Activities:

Dr. Dhananjay Dwivedi was invited to deliver a lecture on Career Opportunities in Chemistry and Chemical Sciences at Government Nehru College Agar Malwa, M.P. on 20-08-2024.

Dr. Dhananjay Dwivedi participated in the lecture delivered by Shri Rajesh Bindal, Justice, Supreme Court on 01-09-2024 on the need for a global body to regulate AI technology.

Under the Career Guidance Cell, Dr. Dhananjay Dwivedi, convener, organized following activities -

A walk-interview was organized on 09-09-2024 in the department of Chemistry for BDA profile. The interview was taken by Mr. Himanshu Trivedi from Heterize Infotech, Kesarbagh, Indore.

On 20-09-2024, a lecture on civil services preparation was given Mr. Shreyas Joshi, eminent speaker.

Ms. Sejal Dhaneriya, B. Sc. pass-out student was selected in a walk-interview in ICICI bank as Relationship manager S1-grade. He was interviewed by Mr. Manish Shrivastava, Regional Manager, ICICI bank.

Research Paper Publication:

Dr. Dhananjay Dwivedi published research paper on "Estimation of Physico-Chemical Properties of an Agricultural Land of Sendhwa City in the South-Eastern Zone of Barwani District of Madhya Pradesh" in Asian Journal of Chemical and Environmental Research, Vol. 16 (1-4), 40-47, January-October 2023, ISSN 0974-3049.

P.G. Department of Biotechnology

- The department organized a two- day workshop from 3rd 4 Sept. 2024 on "Antibody Separation by SDS - PAGE". The workshop was conducted by alumnus of the department Dr. Payal Puri, IILR Institute, Indore. On the first day she gave a detailed insight of the workshop and gave hands- on- training on serum preparation and antibody purification. She also demonstrated SDS gel preparation and casting. The second day of the workshop proceeded with antibody separation by SDS followed by gel staining and observation. Participants were B.Sc. and M.Sc. students of Biotechnology, Microbiology, Botany and Zoology departments. Thirteen staff members together with 35 students participated in the event. Certificates were handed over by Dr. R.C. Sanghvi. The workshop was very fruitful and beneficial for the students.

- Dr. Priti Vyas was invited as judge during the Micro-bio Rangoli competition organized by Microbiology Department on 17th Sept. 2024, International Microorganism Day.

- Dr. Priti Vyas was invited as judge in the Poster Making and Essay Writing competition on "Nutrient Dense Diet for Health Improvement", organized under the Health of Indore campaign, by English Department on 19th Sept 2024.



P.G. Department of Physics

Participation of Dr. K. Venkataraman in various activities:

- Presented a research paper in workshop on Indian Knowledge System, organized by Rani Durgavati University, Jabalpur from 7th - 8 July 2024.
- Participated in UGC NET Paper-setting workshop held at NTA, New Delhi 13th to 16th July 2024.
- Delivered a talk as resource person in NEP Orientation and Sensitization Program on Indian Knowledge on 12-08-2024
- Chairman, Selection Committee for Men and Women Chess Team of DAVV.

P.G. Department of Microbiology

Microbiology Literacy Mission: "Microbes and You"

Students of Sri Satya Sai Vidya Vihar, Indore, visited the department of Microbiology on 28, 29 August, 2024. About 240 students of Class VIII participated in the Microbiology Literacy Mission: "Microbes and You", during the visit.

The Microbiology department organized an exhibition to witness the fascinating world of microbes, during which faculty members and students of the department, enlightened school children on different aspects of microbiology. Various types of microorganisms were displayed in the exhibition named, "A Journey to the Microbial World". Students were also made aware of different fields of Microbiology like medical microbiology, food Microbiology, agricultural microbiology.

Dr. Nandini Phanse and Dr. Mahima Golani enlightened students about various aspects of microbes, and their impact on our daily lives and health. Faculty members of Microbiology department- Ms. Shraddha Dehure, Ms. Darshana Dusane, Ms. Divya Parnaik, demonstrated interesting aspects of microbes. Student volunteers included—Aditi Pawar, Pratibha Padlak, Prarthana Patel, Javed Khan, Jayesh Bhavsar, Hadiya Khan, Gunjan Marmat, Faizi Khan, Shristhi Swami.

Dr. Rashmikant Sanghvi, Dr. Pravin Kekre, Prof. Mayur Mota, Dr. K. Venkataraman, Prof. Sanjay Sharma welcomed teachers and students of Sri Satya Sai Vidya Vihar.

Orientation Programme

An orientation programme was organised for the newly admitted students of B.Sc. and M.Sc. 1st year, on 9th September 2024.

Dr Nandini Phanse introduced students to the departmental staff, lab facilities, general laboratory etiquettes, importance of microbial techniques, etc., through videos and power point presentation. An exhibition was held for students to witness the fascinating world of microbes.

Observation of International Microorganisms Day

Microbio-Rangoli Competition was organized by department of Microbiology on 17th Sept. 2024 to observe "International Microorganisms Day".

Thems of rangoli were "Morphology of microorganisms" for UG & "Picture of any one scientist from microbial technology" or "Microbes for global well-being" for PG students.

Winner for PG category - I prize: Prathana Patel (M.Sc. Semester I)

Winners for UG category - I prize: Ananya Pathak & Gunjan Marmat (B.Sc. I)

II prize: Pallavi Jawariya & Saniya Rathore (B.Sc. III)

III prize: Shraddha Jeriya & Ravina Sisnoriya (B.Sc. III)

Consolation prize: Disha Chouhan & Abhinav Sharma (B.Sc. III & II)

Dr. Priti Vyas and Dr. Mahima Golani judged the event and distribution of certificates was done by Administrative Officer, Dr. Rashmikant Sanghvi. The event was co-ordinated by Dr. Nandini Phanse and Prof. Darshana Dusane.



Microbiology Literacy Mission
Visit of school students Sri Satya Sai Vidya Vihar



Microbiology Literacy Mission



Microbio-Rangoli Competition to observe International Microorganisms Day

Microbio Rangoli competition



Microbiology Orientation programme



College Badminton team with Sports Officer Dr. Satyendra Sharma



Department of English

The academic session 2024-25 ushered in with a buzz of activities, academic and non-academic. Some highlights of the 1st quarter of the session are as follows:
Departmental Activities:

Academic: The U.G. classes, both B.Sc. and BCA have been continuing regularly right from the time the college time-table became effective. The fact that B.Sc. III year students have been regular right from the beginning, for Personality Development and English classes is heartening.

Extra-curricular:

1. Under the MoU signed with St. Paul Institute of Professional Studies, Indore, the department arranged an Odissi dance performance and interpretation activity as part of the Indian Knowledge System. Ms. Divya Bharti Goswami, a nationally acclaimed Odissi dancer gave the performance. Sneha Dangi, Anubhuti Mishra, Kamakshi Sharma, Yatharth Makwana, Balraj Dhakad and Prachi Yadav participated in the activity.

2. On 22 August 2024, under the Indian Knowledge System, the bhajans and philosophy of Kabir Das were celebrated in a program organised by the department, with Dr. Ashish Dubey from the Physics department being the speaker. UG students attended the event with enthusiasm.

3. As part of the health of Indore campaign, on 19 September 2024, the department organised a poster-making and essay-writing competition based on the theme Nutrient Dense Diet for Health Improvement and the sub-themes: 1. Healthy diet for healthy living

2. Chronic health disorders due to unhealthy eating habits
3. Healthy mind, healthy body and food
4. Eliminating nutritional gaps
5. Economic prosperity of the country and food production.

Dr. Nandini Phanse and Dr. Preeti Vyas were the judges of the competition. Result was as follows:

Essay: Ist- Sneha Dangi-B.Sc. III year, Balraj Dhakad- B.Sc. II year, Kamakshi Sharma- B.Sc. III year.

Poster: Ist- Surya Pratap Singh, IInd- Aniket Chauhan, IIIrd- Pranav Pawar all students of B.Sc. II year.

Faculty Upgradation:

Dr. Deepa Vanjani was invited as Valedictory Speaker and session chair in the national conference 'Learning the Lessons of Sustainable Life Practices, Innovation and Entrepreneurship from Tribal Cultures' organised by St. Paul Institute of Professional Studies, Indore on 21 September 2024.

Involvement in College Activities:

Mrs. K. Joshi worked as member of the college admission and NSS committees. Dr. Vanjani was activity coordinator of the Guru Purnima program. She has been appointed as NSS Program Officer for this session.

P.G. Department of Zoology

Expert lecture:

Dr. G.D. Sharma delivered an expert lecture at P.M. College of Excellence Govt. Arts and Commerce College, Indore on the eve of Urja Diwas on applications of solar energy. He talked about various aspects like how solar Energy is trapped, by plants, what is energy flow, solar cooker, biological clock etc.

Expert lecture being delivered by Dr. G.D. Sharma

Dr. G.D. Sharma completed following marathons successfully:

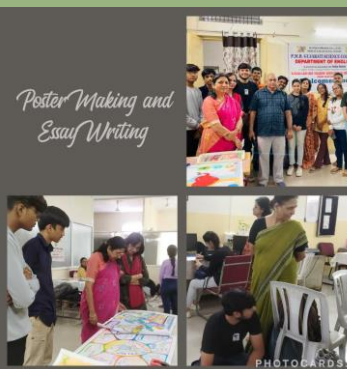
- 1) Date: 01/07/2024, Bib no. 1149, 10km. Run in 1.05 hrs. Organised by Institute of Chartered Accountants Indore Branch.
- 2) Date: 03/08/2024, "Rainathon", Bib no. 10449, completed 10 km in 1.10 hrs.
- 3) Date: 18/08/2024, "Tiranga Run", Bib no. 6029 in 06 hrs, covered 77 laps for 33 km. and stood 1st in above 60 years category.

Dr. Chetna Savita attended Board of Studies of Life Science meeting on 10/08/2024 of A.P.J. University.



Kabir Bhajan

Dr. Ashish Dubey



Camp in Mhow



Dr. G.D. Sharma delivering expert lecture



Dr. G.D. Sharma on completion of marathon



National Service Scheme (NSS)

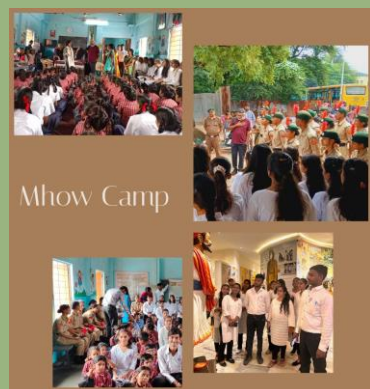
National Service Scheme and Red Ribbon Club Activity Report



Bal sanrakshan



Induction



Mhow Camp



Nukkad Natak

- Tree plantation on 8/08/2024 in collaboration with NCC Air Wing and Infantry Wing. Principal Dr Kiran Dixit, AO Dr. Rashmikanth Sanghvi, heads of departments, faculty members, students were present.
- RED RIBBON CLUB: 'Nukkad Natak' on AIDS Awareness on 19/08/2024 as Red Ribbon activity. Six volunteers of NSS- Ravi Vishwakarma, Sujal Sahu, Nisha Sahu, participated in it. Head of the Microbiology Department Dr. Nandini Phanse delivered a brief talk sharing information about spread of HIV-AIDS, precautions to be taken and creating awareness about the same. Principal Dr. Kiran Dixit, A.O. Dr. Rashmikanth Sanghvi, heads of departments, faculty members, and students were present.
- On 17/08/2024, a Nashi Mukti Rally was taken out from the college campus around Gwaltoli and Sarvate bus stand to spread awareness about making the country free from tobacco, alcohol and drug abuse. Both the N.C.C. Wings and N.S.S. jointly organised the rally.
- On 5/09/2024, a Group Discussion on *Union Budget: A Youth-Friendly Budget* was organised in the Computer Science lab in which apart from NSS volunteers, cadets of both N.C.C. wings and other students also participated.
- The NSS Induction was held on 23/09/2024 with Dr. Sachin Sharma ji, District Coordinator of NSS as the chief guest. He inspired the students to work for society and the nation. Volunteers presented a cultural program on the occasion. Principal Dr. Kiran Dixit, AO Dr. RC Sanghvi, heads of departments and faculty members apart from students were present.
- RED RIBBON CLUB: Ms. Radha Malviya, ICTC Counselor and CHC Manpur delivered an AIDS awareness lecture on 23/09/2024. She also interacted with students and asked them questions.
- On 27/09/2024, a One-Day Camp was arranged in Mhow. NSS volunteers and students of B.Sc. III year with Personality Development as their Vocational subject did community service in a slum school named Gyandoday. They also visited the Infantry Museum in Mhow. During their interaction with the school children, volunteers informed them about healthy food habits, good and bad touch, and character building through storytelling. Students were made to participate in activities such as singing and games. As a token of encouragement participants were given gifts.
- Bal Adhikar Sanrakshan activity was conducted in CMP Primary school of Shri Gujarati Samaj Indore. Awareness about POCSO Act, Rights of children, safety of children and other such messages were given to the children. About 50 school children were present during the activity apart from principal of the college Dr RC Sanghvi, principal of CMP school Mrs. Mungee, staff members and Hods. NCC Air Wing flying officer Flying Lt. Mukul Sharma who has done social work with children, delivered a talk. A nukkad natak was also performed by NSS volunteers. Posters with messages were displayed by students. A collage of newspaper clippings showing crimes against children and their mental health was prepared by the final year students.



Enrollment in process



World Habitat Day Activity Report



P.G. Department of Mathematics

गणित विभाग की M. Sc 2023 की छात्रा Anjali Patel को DAVV के दीक्षांत समारोह में राष्ट्रपति द्वारा स्वर्णपदक प्राप्त किया!

गणित विभाग के विभागाध्यक्ष में GSITS में आयोजित National Workshop on Intellectual Property Right में 20/9/2024 में भाग लिया!

P.G. Department of Botany

National conference

Dr. Sudip Ray, Head of Botany department was invited as Keynote speaker in National conference on SSI LCS-2024 "Synergy in Science integrating Life and Chemical Science on 13th Sep. 2024 organized by Satpuda Education Society, Arts and Commerce College, Warwat Bakal Dist. Buldhana (Maharashtra).

Workshop

All faculty members of the Department participated in the two days immunology workshop on Antibody separation by "SDS-PAGE" organized by Department of Biotechnology P.M.B. Gujarati Science College, Indore from 3- 4 sep.2024.

Publications

Dr. Sudip Ray and Dr. Preeti Parashar have authored a research paper on "Ethnomedicinal Uses and Preliminary Phytochemical Analysis of *Tribulus Terrestris* L." published by Global Electronic International Interdisciplinary Research Journal, Impact factor- IIFS: 7.00, Volume XIII, special issue-VIII, September 2024, ISSN : 2278-5639.

Research paper on "Ultraviolet Spectroscopic Identification Of Different Morphotypes Of *Thevetia Peruviana* (Pers) K. Schum Ethnolic Leaf Extract" by Dr. Krati Ghavri and Dr. Madhavi Adhav was published in Global Electronic International Interdisciplinary Research Journal, Impact factor- IIFS: 7.00, Volume XIII, special issue-VIII, September 2024, ISSN : 2278-5639.

Dr. Krishna Joshi, Lab Asst., authored a poem "Hosla" for the book Chanchalta Aksharo Ki published by Geeta Prakashan, ISBN: 978-93-3408002-5.

Student Achievers

- Ms. Vartika Mishra from the Zoology Department received a prize from honourable President Smt. Draupadi Murmu during the convocation ceremony of D.A.V.V., Indore on 18/09/2024 for securing the highest marks in the university merit list of Zoology. Dr. Golden Gokhale was awarded the Ph.D. degree in Zoology (Life Science) from honourable Governor of M.P. Shri Mangubhai Patel at the convocation. She has worked under the guidance of Dr. G.D. Sharma.
- Ms. Priyanka Singh of M.Sc. IV semester (Chemistry), secured a position in the DAVV merit list.
- Students of the Microbiology department gave excellent performance in the DAVV exam. Toppers include-
B.Sc. I: Abhinav Sharma
B.Sc. II: Jayesh Bhavsar
B.Sc. III: Prarthna Patel
MSc. Sem IV - Aditi Pawar (University Topper)
M.Sc. Sem II - Rahul Porwal

Department of Sports & Physical Education

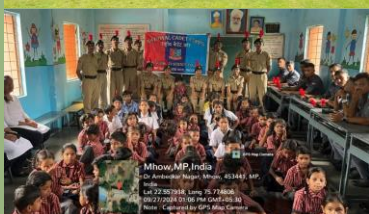
Our college Badminton Men's team played quarter finals in the Inter College Badminton (M) tournament organized from 24/09/24 to 26/09/24 by DAVV, Indore at City Gymkhana Club.



--Hindi Diwas Celebration--



Glimpses of the Rally



LT. Brajesh Vijaypuriya, Associate NCC Officer with cadets at the Gyanoday School and Infantry Museum in Mhow

हिन्दी विभाग

अटल बिहारी वाजपेयी षा.कला एवं वाणिज्य महा.इन्दौर ,द्वारा दिनांक 29 मई 2024 को आयोजित ऑनलाईन राष्ट्रीय वेबीनार भारतीय ज्ञान परम्परा के विविध सन्दर्भ में डॉ.ज्योति सिंह ने अपनी सभागिता निभाई ।

प्रो.ज्योति फड.के जूलाई माह में प्रवेश समिति में सदस्य रही ।

14 सितम्बर को हिन्दी दिवस के उपलक्ष्य में विभाग द्वारा हिन्दी दिवस का आयोजन हिन्दी पखवाडे के अन्तर्गत 19 सितम्बर को आयोजित किया । इस आयोजन के मुख्य अतिथि थे डॉ.पंकज बिरमाल ,डॉ.पंकज बिरमाल क्रिष्चिन कालेज इन्दौर के हिन्दी विभाग के विभागाध्यक्ष एवं महाविद्यालय के प्रशासनिक अधिकारी हैं । इन्होंने हिन्दी के विविध रूपों से छात्रों को परिचित करवाया । कार्यक्रम के विषिष्ट अतिथि थे रत्नेष जी दुबे जो पिछले 25 वर्षों से षहर को सामाजिक कार्यकर्ता के रूप में अपनी सेवाएँ दे रहे हैं संकल्प आय ए एस. दिल्ली के इन्दौर चैप्टर के संयोजक हैं । 150 अभ्यार्थों इस संस्था के मार्गदर्शन में लोकसेवा परीक्षा में चयनित हुए विद्यार्थि हैं ऐसे सुविज्ञों को सुनना महा. के विद्यार्थियों के लिए अनुठा अनुभव था । कार्यक्रम में महा. की प्राचार्य प्रो डॉ.किरण दीक्षित ने अतिथियों का स्वागत करते हुए अपने उद्बोधन में कहा कि विद्यार्थियों को भाषिक कौशल में निपूण होने के लिए विशेष प्रयास करना चाहिए । इस अवसर पर महा. के छात्र छात्राओं ने अपनी रचनाएँ प्रस्तुत की । आयोजन के द्वितीय सत्र में महाद्यालय के छात्र छात्राओ द्वारा पोस्टर प्रतियोगिता का आयोजन किया गया । जिसमे प्रथम स्थान वीरसिंह पवार व द्वितीय उर्मिला मांझी एवंम तृतीय स्थान अभिनव षर्मा को पुरस्कार प्रदान किया गया ।

कार्यक्रम का संचालन महाद्यालय के छात्र अभय मिश्रा ने किया व आभार डॉ.ज्योति सिंह ने किया ।

National Cadet Corps (NCC) Army Wing

NCC Enrollment 2024-25

On **Wednesday, 11 Sep 2024**, twenty-one students of P.M.B. Gujarati Science College were recruited in N.C.C. Infantry Wing (09 MP BN NCC INDORE) by PI staff and ANO LT. Brajesh Vijaypuriya.

World Habitat Day Activity Report

On **Wednesday October 16, 2024**, cadets of the unit participated in World Habitat Day. The cadets organised community clean-up drives, tree planting and awareness drive on the importance of housing and sustainability and engaged with local communities to educate them about responsible living and environmental conservation. By leading these initiatives, NCC cadets inspired others to take action for better housing.

Swachta Abhiyaan Cleanliness Drive Rally

On **19th Sept. 2024**, NCC cadets of the college participated in Swachta Abhiyaan Cleanliness Drive Rally. Under the guidance of the 9 MP Battalion NCC Indore, NCC cadets from PMB Gujarati Science College organized an impactful rally on Swachta Abhiyaan to raise awareness about the Swachta Abhiyaan Cleanliness Drive.

Trip to Gyanodaya Vidyalaya and Infantry Research Centre & Museum, Mhow

On **27th Sept. 2024** a trip to Gyanodaya Vidyalaya and Infantry Research Centre & Museum in Mhow was organized in which 15 cadets of Infantry wing participated. During the trip, a visit to Gyanodaya Vidyalaya and Infantry Research Centre & Museum in Mhow were arranged. NCC Air Wing cadets and NSS volunteers also participated in the activity.

Department of Computer Science & IT

Prof Brajesh Vijaypuriya has qualified UGC NET 2024 for admission into Ph.D.

Result of B.Sc. 2nd year CS & B.Sc IT was 100% for of 2023-24. Result of B.Sc. 3rd year CS & B.Sc. IT was 100% for batch 2023-24. Result of B.Sc. 1st year CS & IT were satisfactory.