

## ABOUT THE COLLEGE

Bhavan's Vivekananda College of Science, Humanities and Commerce was established under the aegis of Bharatiya Vidya Bhavan, on 2<sup>nd</sup> of August, 1993 with 131 students. Since inception, the college has been strongly promoting the ideals of the Bhavan, by providing education blended with a strong foundation of the fundamental values of life. The college offers undergraduate programmes in Physical Sciences, Life Sciences, Commerce, Mass Communication and Business Administration as well as 5 post-graduate Programmes (Computer Science, Microbiology, Biochemistry, Business Administration and Commerce). Currently, 2 Doctoral Programmes are offered in Microbiology and Biochemistry. The curriculum of the courses is designed to cater to the growing needs of industry and society. The college also strives to raise the intellectual and moral standards of the students. The college was accredited with 'A' grade by NAAC in 2012 and granted autonomy by the UGC in 2015. The sprawling and vibrant campus has a peaceful atmosphere conducive to not only teaching and learning, but also to the development of the future citizens of our country.

## ABOUT THE SEMINAR

The National Seminar on "AI at the Interface of Biology and Computation" bridges the gap between life sciences and computing to drive next-generation scientific innovation. Jointly organised by the departments of Microbiology, Biochemistry & Nutrition, and Computer Science, the event explores how data-driven tools transform clinical pathology, molecular research, and software engineering. By aligning biological systems with deep learning models, this seminar directly supports India's National Quantum Mission and national deep-tech infrastructure goals. Furthermore, it will be instrumental in accelerating sustainable development specifically advancing Good Health and Well-being (SDG 3) and Industry, Innovation, and Infrastructure (SDG 9) by fostering a robust cross-disciplinary research ecosystem. The event offers a vital platform for students, researchers, and tech experts to showcase breakthrough insights through oral and poster presentations. Ultimately, it establishes a collaborative incubator to address complex computational, ethical, and biosecurity challenges while creating a unified pathway toward an intelligent, tech-driven sustainable economy.

## ABOUT THE DEPARTMENTS

### COMPUTER SCIENCE

Since inception, the Department of Computer Science has built interdisciplinary programming and problem-solving skills through workshops and industry training. Emphasizing hands-on exposure, the department guides students through 100+ annual projects in fields like Mobile Apps, Arduino, AI/ML, and Prompt Engineering. Furthermore, students develop real-time institutional applications—including NAAC academic feedback and online examination modules—providing valuable practical experience while driving the college's digital transformation to meet evolving tech industry demands.

### MICROBIOLOGY

The Department was established in 1993 with one UG, later PG course was introduced in the year 2000 and in the year 2015, department has been recognized as a Research Centre for Ph.D programme. Three PhD's have been successfully completed from the research centre of department. Department has been supported by DBT-Star College grant and completed successfully 2 UGC Major Research Projects, 3 Minor research projects from UGC-SERO and one ongoing UGC-DAE CSR Project and IKS Project funded by Ministry of Education

### BIOCHEMISTRY & NUTRITION

The Department of Biochemistry established in 1999 offers undergraduate (BINDC) and postgraduate (M.Sc Biochemistry) programs. Recognized as an Osmania University Research Center, it features state-of-the-art laboratories and seven experienced faculty members. Supported by DST, UGC, and DBT-Star College grants, the department fosters technical excellence, student research, and holistic development through national seminars, workshops, internships, and community outreach. Department prepares our graduates for top Ph.D. programs and placements in the pharmaceutical and biotechnology sectors.

### CHIEF PATRON

**Justice J. Chelameswar**

*Chairman, BVB, Sainikpuri Kendra*

### PATRONS

**Air Cmde J. L. N. Sastry, VSM (Retd)**

*Vice Chairman, BVB, Sainikpuri Kendra*

**Gp Capt D. Ramanaiah (Retd)**

*Hon. Secretary, BVB, Sainikpuri Kendra*

**Wg Cdr T. J. Reddy, VSM (Retd)**

*Hon. Associate Secretary BVB, Sainikpuri Kendra*

**Dr. G. S. V. R. K. Choudary**

*Principal, BVC*

### CHIEF GUEST

**Dr . Suresh Namboothiri**

*Prof. of Practice, PG Department of Computer Application, Martin College Kuttikkanam, Kerala & Director of IPSR Solutions Limited*

### GUEST OF HONOUR

**Dr. B. Dinesh Kumar**

*Scientist 'G'-Director Grade (Former)  
ICMR-National Institute of Nutrition (NIN)  
Expert Advisor - Scientific Evaluations  
(Pharma Translational) Councilor - IUPHAR-PNPS*

## INVITED SPEAKERS

### COMPUTER SCIENCE

**Prof. Rajanikanth Aluvalu**

*Director*

*Symbiosis Institute of Technology, Hyderabad*

**Dr. K. P. Supreethi**

*Professor*

*Computer Science & Engineering, JNTUH University College of Engineering, Science & Technology Hyderabad*

**Dr. Ram Chandra Murthy Kalluri**

*Associate Professor*

*BITS Pilani - Hyderabad Campus*

### MICROBIOLOGY / BIOCHEMISTRY & NUTRITION

**Dr. Bipin Singh**

*Associate Professor*

*Center for Life Sciences, Mahindra University, Hyderabad*

**Dr. Vasundhra Bhandari**

*Assistant Professor*

*Department of Pharmacoinformatics, National Institute of Pharmaceutical Education & Research (NIPER), Hyderabad*

**Dr. Moumita Saharay**

*Assistant Professor*

*Department of Sytems and Computational Biology,  
School of Life Science, University of Hyderabad, Telangana, India*



## BHAVAN'S VIVEKANANDA COLLEGE of Science, Humanities & Commerce

Sainikpuri, Secunderabad - 500094

Autonomous College, Affiliated to Osmania University

Reaccredited with 'A' grade by NAAC

NIRF Rank Band 150-200

## National Seminar on

## AI at the Interface of Biology and Computation (AIBC 2026)

organised by  
**Departments of Microbiology, Computer  
Science and Biochemistry & Nutrition**  
Commemorating the Silver Jubilee Celebrations



6<sup>th</sup> & 7<sup>th</sup> November, 2026

10:00 AM - 4:30 PM

Venue: Bhavan's Vivekananda College

## CONVENORS

**Dr. K. Anuradha**

*Head, Department of Microbiology*

**Dr. K. V. B. Saraswathi Devi**

*Head, Department of Computer Science*

**Dr. S. Padma**

*Head, Department of Biochemistry & Nutrition*

## CO-CONVENORS

**Dr. K. Padma Priya**

*Asst. Prof. Department of Computer Science*

**Dr. S. Anju**

*Asst. Prof. Department of Microbiology*

**Dr. S. Vanitha**

*Asst. Prof. Department of Biochemistry & Nutrition*

## ORGANIZING COMMITTEE

### Dept. of Computer Science

Mr. K. Srinivasa Rao

Dr. S. Ramana

Dr. G. Mahesh Kumar

Mr. Ch. N. V. Mallikharjuna Rao

Dr. S. Jayalaxmi

Ms. B. Divya Rekha

Mr. P. Srinivasa

Mrs. M. Amitha

Mrs. Sharon Rosy

Dr. V. Sreeprada

### Dept. of Microbiology

Dr. Y. Aparna

Dr. S. Shalini Devi

Dr. T. Chaitanya

Dr. Mahalakshmi

Dr. Shalini Rachel Silas

### Dept. of Biochemistry & Nutrition

Dr. S. Manju Devi

Dr. G. Kamala

Ms. A. Durgabhavani

Dr. G. Bindu

## ADVISORY BOARD MEMBERS

### COMPUTER SCIENCE

**Sr. Prof. N. Kishan**

Director of Academic Cell,  
Department of Mathematics & Statistics, O.U.

**Sr. Prof. K. Shyamala**

Head, Department of Computer Science & Engg, O.U.

**Prof. P. V. Sudha**

Dean, Faculty of Informatics, O.U.

**Dr. M. Venkat Das**

Department of Computer Science & Engg, O.U.

### MICROBIOLOGY / BIOCHEMISTRY & NUTRITION

**Prof. B. Bhima**

Head, Department of Microbiology, O.U.

**Prof. B. Sandeeptha**

Department of Microbiology, O.U.

**Prof. Hameeda Bee**

Department of Microbiology, O.U.

**Prof. Arvind. M. Deshmukh**

President, MBSI

**Prof. Karuna Rupula**

Head, Department of Biochemistry, O.U.

**Prof. B. Manjula**

Department of Biochemistry, O.U.

**Dr. Raju Padiya**

Associate Prof. Department of Biochemistry, O.U.

**Dr. Shibsekhar Roy**

Asst. Prof. Department of Biochemistry, O.U.

## REGISTRATION FEE

| Category                     | Offline | Online |
|------------------------------|---------|--------|
| Students / Research Scholars | ₹ 300   | ₹ 100  |
| Faculty / Academicians       | ₹ 500   | ₹ 200  |
| Industry Professionals       | ₹ 500   | ₹ 200  |

*Payment must be made online only*

*Account details for online transfer are as follows:*

Name: Bhavan's Vivekananda College of  
Science, Humanities & Commerce

Bank: HDFC

Account No: 01261450000135

Branch: Kapra, Sainikpuri

IFSC Code: HDFC0000126

*For registration and other details, Please contact:*

*Computer Science*

Mr. K. Srinivasa Rao, Mobile No: 9440698481

*Microbiology, Biochemistry & Nutrition*

Dr. S. Shalini Devi, Mobile No: 8919801255

Ms. A. Durgabhavani, Mobile No: 9912555155

**Registration Link: [Click here](https://bhavansvc.ac.in)**

**Last date for Registration : 31<sup>st</sup> October, 2026**

## EVENTS

Research-Based Oral Presentations, Team Size - upto 4 Nos  
(Online / Offline mode)

Research-Based e-Poster Presentation, Team Size - upto 3 Nos  
(Offline mode)

**Note: The abstracts for Oral / e - Poster should be 250 words,  
Times New Roman, 12 Font Size.**

Please upload the abstract in MS Word format through the  
registration link.

Download template for Abstract : [Click here](#)

**Note: Online Mode only for Oral Presentations**

## THEMES (ORAL / E- POSTER PRESENTATIONS)

### MICROBIOLOGY / BIOCHEMISTRY & NUTRITION

|                                                       |                                                 |
|-------------------------------------------------------|-------------------------------------------------|
| AI in Clinical and Diagnostic                         | Environmental and Agricultural Microbiology     |
| AI in Molecular Biology and Advanced techniques       | Microbial Biotechnology and Bioprocessing       |
| AI Enabled Nanobiotechnology and Biosensors           | Microbial Diversity and Evolution               |
| AI in Drug Discovery and development                  | Food and Dairy Microbiology                     |
| AI in AMR, One Health and Microbiome analysis         | Immunology, Vaccine and Therapeutic Development |
| AI in Nutrition, Food and Health                      | Cancer Biology                                  |
| AI in Agricultural Biotechnology                      | Nutritional Biochemistry and Nutraceuticals     |
| AI in Protein Science and Enzymology                  | Protein and Enzyme Engineering                  |
| AI in Ecology, Biodiversity and Environmental Biology | Biomarkers                                      |
| AI in Computational Biology and Big Data Analysis     | Toxicology                                      |
| AI in Innovation and Entrepreneurship                 | Translational Research in Human Health          |

### COMPUTER SCIENCE

|                                                          |                                              |
|----------------------------------------------------------|----------------------------------------------|
| Generative AI and Foundation Models                      | Human-Centered Artificial Intelligence       |
| Large Language Models and Multimodal AI                  | Edge AI and TinyML                           |
| Agentic AI, Autonomous Systems and Decision Intelligence | Neuromorphic AI and Brain-Inspired Computing |
| AI Reasoning and Knowledge-Based Systems                 | AI and Quantum Computing                     |
| Vision-Language Models and AI for Image Understanding    | Cybersecurity and Digital Privacy            |
| AI Agents for Scientific Discovery                       | IoT and Smart Systems                        |
| Trustworthy and Responsible AI                           | Digital Transformation and Industry 4.0      |

**for further information visit:  
<https://bhavansvc.ac.in>**

