

CHIEF PATRONS

Dr. T. Srinivasu,
Secretary & Correspondent,
K.B.N. College (Autonomous)

Dr.V. Narayana Rao,
Administrative Officer,
SKPVV Hindu High Schools' Committee

PATRON

Dr. G. Krishnaveni,
Principal,
K.B.N. College (Autonomous)

ORGANIZING SECRETARY

Dr. K. Kiran Kumar, Director, R&D Cell,
K.B.N. College (Autonomous)

CONVENOR

Dr. V. Ravi Kumar, Assoc. Prof., K.B.N. College (Autonomous)
Dept. of Physics and Electronics

ADVISORY COMMITTEE

Prof. M.V. Basaveswara Rao, Rector, Krishna University
Dr. D. Rama Sekhara Reddy, Asst. Prof., Dept. of Chemistry, Krishna University
Prof. N. Veeriah, Rtd. prof, Acharya Nagarjuna University
Prof. V. Ravi Kumar, Acharya Nagarjuna University
Prof. P. Syam Prasad, NIT, Warangal
Sri. P.L. Ramesh, Vice-Principal, KBN College
Dr. M. Venkateswara Rao, Vice-Principal, KBN College
Dr. K. Ramakrishna, Vice-Principal, KBN college

ORGANISING COMMITTEE

Department of Chemistry	Department of Physics & Electronics
Dr. O. Sailaja	Sri. R. Uday Kumar
Dr.T. Bhagya Kumar	Ms. B.Sruthi
Capt. KPT Vijaya Bhaskar	Sri. A.H.D. Prakash
Smt. K. Swathi	
Ms. L. Mounica	

For further Details Contact

Dr. V. Ravi Kumar, Ph: 9000397338

Dr. K.Kiran Kumar, Ph: 9440924980

Student Co-ordinators

T. Vijay Durga Rao, M.Sc OCH, IInd Year

D. Dhanalakshmi, M.Sc OCH, IInd Year

RESOURCE PERSONS



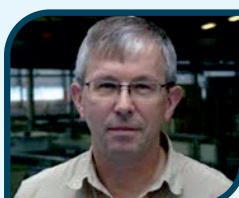
Chief Guest & Keynote Speaker
Prof. B. L. V. Prasad
Director of the Centre for Nano and
Soft Matter Sciences (CeNS), Bangalore



Prof. N. Eswara Prasad
Director, R & D, MGIT, Professor
Dept. of MME, MGIT/CBES
Hyderabad-500075



Prof. hab. M.G. Brik
Institute of Physics
University of Tartu
W. Ostwald Str 1, Tartu 50411, Estonia



Prof. hab. Michal Piasecki
Institute of Physics, Jan Dlugosz University
Częstochowa, Poland,



Dr. sc. Luka Pavić
Senior Research Associate
Ruder Bošković Institute
Croatia



Prof. C. Subrahmanyam
Dept. of Chemistry
IIT, Hyderabad



Prof. Y.Srinivasa Rao
Department of Electronics and
Telecommunication Engineering
Dr. Sardar Patel Institute of Technology, Mumbai

A TWO DAY INTERNATIONAL CONFERENCE ON

FUNCTIONAL AND SMART MATERIALS

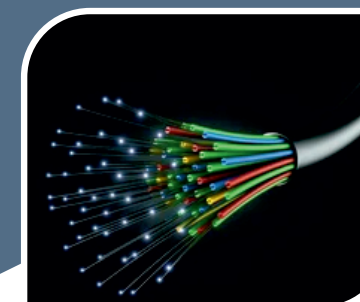
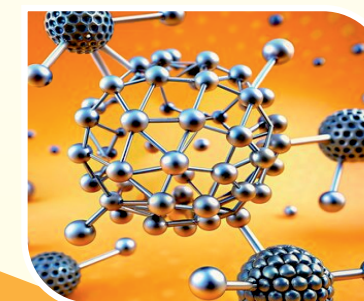
(ICFSM - 2k25)



In collaboration with
APSCHE



(Andhra Pradesh State Council of Higher Education)



07th & 08th February, 2025

Organized by

Departments of Physics, Chemistry & Electronics

ISO 9001-2015 CERTIFIED

NAAC 'A++' GRADE CYCLE 4

KAKARAPARTI BHAVANARAYANA COLLEGE

(Sponsored by S.K.P.V.V. Hindu High Schools' Committee) (AUTONOMOUS)
Kothapeta, Vijayawada - 520 001.



www.kbncollege.ac.in

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About the College

Kakaraparti Bhavanarayana College is a vivacious outcome of a century old renowned charitable organization, S.K.P.V.V. Hindu High Schools Society with "Tejaswina Vadheethamasthu" as its motto. Since its inception in 1965, it marked an epoch in innovative education, in an academically and economically impoverished area. The college with heightened social imagination and ardent zeal, shone like a lodestar led innumerable students towards the goal of an illustrious life. The ever vibrant college grew by leaps and bounds and has evolved with times. It has been adorned with the Autonomous status by the UGC in the year 2010, and received "Best Laboratory", "Best Academic Achievement", "Best Library", "Best NSS Unit" awards. The College has never rested on its laurels and has been relentlessly raising the bar. It has been reaccredited with "A++" Grade by NAAC in 2024.

About Departments

About the Physics & Electronics Department: The Department of Physics was established in 1965, it holds a distinguished reputation for its outstanding contributions to academia and society. Over the years, it has nurtured and produced numerous accomplished scholars, administrators, scientists, physicists, mathematicians, chemists, and other luminaries across diverse fields. The Department takes pride in its collection of rare and exclusive scientific instruments, including an Astronomical Telescope, enabling detailed observation of celestial bodies. Another highlight is a fully functional working model of the Super Heterodyne Radio Receiver, offering a clear understanding of electronic components and principles.

Recognized for its excellence, the Department has been designated a Model Department by Andhra University. A significant milestone was achieved in 2023 with the introduction of the B.Sc. (HONOURS) Electronics and B.Sc. (HONOURS) Physics course, marking a new chapter in its illustrious history. Students consistently demonstrate their expertise through research publications and innovative live projects, particularly during National Science Day celebrations and various competitions, showcasing the Department's commitment to fostering talent and scientific curiosity.

About the Chemistry Department:

The Department of Chemistry was established in the year 1965. The Chemistry Department is a vibrant and dynamic academic unit dedicated to the study and advancement of chemistry. The department offers B.Sc Honours in Chemistry, M.Sc Organic Chemistry and M.Sc Analytical Chemistry programs and it has research centre recognised by Krishna University along with three supervisors. The Department boasts a team of highly qualified and experienced faculty members. The Chemistry Department is equipped with state-of-the-art laboratories that provide students with hands-on experience in conducting experiments and research. The department actively promotes research and encourages students to engage in research projects.

About the Conference

A Two day International conference on Functional and Smart materials at KBN College in Vijayawada is set to provide a valuable platform for collaboration and knowledge –sharing in the rapidly advancing fields of functional and smart materials. Here are the potential scope and outcomes for the conference

1. Emerging trends and Research: Explore the latest development in the functional and smart materials, including nano materials, metamaterials, smart polymers, shape memory alloys, and Bio-inspired materials.
2. Applications Across Fields: Discussions on the application of these materials in diverse sectors such as biomedicine, electronics, energy, environmental science, and aerospace.
3. Interdisciplinary Approach: Foster-cross-disciplinary interaction by involving experts from Physics, Chemistry, electronics, material science, and engineering encourage integrative solutions.
4. Global Perspectives: With Scientists from India and Abroad, the conference will present a wide array of global advancements and facilitate discussions on region – specific challenges and innovations in smart materials.
5. Sustainability and Green Materials: Examine the role of sustainable smart materials in environmental protection and green technology, addressing the rising demand for eco-friendly solutions.

Sub Themes

- ◀ Nano Materials
- ◀ Sensitive Materials
- ◀ Optical Materials
- ◀ Photo Electric
- ◀ Smart Gels
- ◀ Shape Memory Alloys
- ◀ Magnetostrictive Materials
- ◀ Piezoelectric Materials
- ◀ Thermoelectric Materials
- ◀ Optics and Lasers
- ◀ Glass and Ceramics
- ◀ Crystallography
- ◀ Thin Film Coatings
- ◀ Applications of functional Materials
- ◀ Fullerenes
- ◀ Biomimetic Materials

Call for Papers

We Invite researchers, Scholars, Academicians and Professionals to submit their original research papers in and around functional and smart materials

Instructions to Authors

Accommodation: Acomodation will be provided to participants on prior intimation and on payment.

Guidelines for Abstract Submission:

The abstract of the paper should be typed in MS Word using Times New Roman with font size 12. The abstract should not exceed 250 words. It should be submitted as e-mail attachment to the contact address.

Full length paper:

Manuscript should be containing Title, Authors, Affiliation, Abstract, Keywords, Introduction, Experimental, Results and Discussion, Conclusion, Acknowledgment and References.

Publications: Selected papers will be published in **Materials today Proceedings (ELSEVIER) or Springer journal.**

Email ID for the submission of the abstracts and full length papers: icfsm2k25@gmail.com

Important Dates

- 📅 For Abstract Submission on or before: **10th January, 2025**
- 📅 For Full Paper Submission on or before: **30th January, 2025**
- 📅 For Registration on or before: **1st February, 2025**

Registration Fees

UG / PG Students (Per Student)	₹ 500
Faculty / Research Scholars	₹ 1000
Industrialists	₹ 2000
Foreign Participants	\$ 30

Bank details

Account Name : Principal, KBN College
Account Number : 1414155000114010
Bank Name : Karur Vysya Bank Ltd.
Branch : One Town, Vijayawada
IFSC Code : KVBL0001414

Registration Form link:

<https://forms.gle/EtwfFsTvzz52bdXH6>

Registration Fees include

- 📅 Seminar kit
- 📅 Lunch and Refreshments
- 📅 Participation certificate

