



JSS MAHAVIDYAPEETHA, MYSURU



JSS ACADEMY OF TECHNICAL EDUCATION BENGALURU



National Science Fair - 2023

31st Aug - 2nd Sept 2023



In Association with

**Gravity Science Foundation
Chamarajanagar**



Organized by

**Department of Chemistry
JSSATE - Bengaluru**

JSS Academy of Technical Education
JSSATE-B Campus, Dr. Vishnuvardhan Road, Bengaluru – 560 060, Karnataka, India.
www.jssateb.ac.in | Ph: 080 - 2861 2565 / 2861 1702

CHIEF PATRON:



His Holiness Jagadguru

"Sri Shivarathri Deshikendra

Mahaswamigalavaru"

President, JSS Mahavidyapeetha, Mysuru

PATRONS:

- Dr. Vidyashankar S, Vice Chancellor, VTU Belagavi.
- Dr. C.G. Betsurmath, Executive Secretary, JSSMVP, Mysuru.
- Prof. M.H. Dhananjaya, Advisor (T), JSSMVP, Mysuru.
- Dr. B. Suresh, Pro-Chancellor, JSSAHER, Mysuru & Director, TED, JSSMVP, Mysuru.
- Dr. H. R. Mahadevaswamy, Joint-Director, TED, JSSMVP, Mysuru.

NATIONAL ADVISORY COMMITTEE:

- Dr. H.B. Rudresh, Vijaya Metal Finishers, Peenya Ind. Area, Bengaluru.
- Mr. Rajeev Deekshit, Pyrotechnologies, KSSIDC, Ind. estate, Kanakapura.
- Dr. S. T. Aruna, Scientist, CSIR-NAL, Bengaluru.
- Dr. P. Mallu, Prof. & Dean, SJCE, Mysuru.
- Dr. R. S. Jagadish, Prof. & Dean, JSSATE, NOIDA.
- Dr. B. Manju, Principal, MIT First Grade College, Mysuru.
- Dr. L. Mallesh, HOD, PG Dept. of Chemistry, JSSCACS, Mysuru.
- Dr. H.P. Nagaswarupa, Prof. of Chemistry, Davanagere University.
- Dr. H. M. Surendra, Asst. Prof. Dept. of Chemistry, NIT, Andhra Pradesh.
- Dr. Akella Sivaramakrishna, Prof. Dept. of Chemistry, VIT, Vellore.
- Dr. Bellappa, Prof. & HOD, Dept. of Chemistry, GSSSIT, Mysuru.
- Dr. K. L. Sudheer Pai, Principal, RNS First Grade College, Bengaluru.
- Mrs. Gowri Nataraj, Principal, JSSPS, Banashankari, Bengaluru.
- Mrs. Geetika Kharola, Principal, JSSPS, HSR Layout Bengaluru.
- Mr. Kupendrapa C B, Principal, JSS High School, Srinivasapura, Bengaluru.
- Mr. Madhu S, JSS High School, Konanakunte, Bengaluru.
- Mrs. Prathyusha M, Principal, JSS High School, HBR layout, Bengaluru.
- Dr. T. S. Senthil, Asst. Prof. SEC Erode, Tamilnadu.
- Mr. Abdul Haleem Wani, Asst. Prof. Dept. of Chemistry, Govt. Degree College, Kulgam, Kashmir.
- Dr. Naveen, Mahila Maha Vidyalaya, BHU, Varanasi, UP.

ORGANISING CHAIR:

Dr. Bhimasen Soragaon, Principal,
JSSATE, Bengaluru.

CONVENER:

Dr. Mahesh B, Prof. & Dean Research,
JSSATE, Bengaluru.

CO-CONVENER:

Dr. Roopashree B, Asso. Prof. & HOD Chemistry,
JSSATE, Bengaluru.

COORDINATOR:

Dr. Chamaraja N.A, Asst. Prof. Dept. of Chemistry,
JSSATE, Bengaluru.

CO-COORDINATORS:

- Mrs. D. Kathyayani, Asst. Prof., Dept. of Chemistry
- Dr. J. Puneetha, Asst. Prof., Dept. of Chemistry
- Ms. S. Bindhu, Asst. Prof., Dept. of Chemistry
- Mrs. S. Kavya, Asst. Prof., Dept. of Chemistry

EXTERNAL COORDINATORS:

- Mr. A. S. Abhishek, Founder & Secretary, Gravity Science Foundation (GSF), Chamarajanagar, Karnataka, India.
- Mr. M. B. Mahesh, Member, Karnataka Association of Amateur Radio and Space Science (KAARSS unit, GSF), Mysuru, Karnataka, India.

ORGANISING COMMITTEE AT JSSATEB:

- Dr. Naveen N C, Prof. & Dean Academic.
- Dr. D Maheshkumar, Prof. & Dean Student Welfare.
- Dr. R. Shashidhar, HOD, Physics.
- Dr. K. M. Nagaraja, HOD, Mathematics.
- Dr. P.M. Shivakumaraswamy, HOD, Electronics & Communication Engineering.
- Dr. P. B. Mallikarjuna, HOD, Computer Science & Engineering,
- Dr. P. M. Rekha, IQAC Coordinator & HOD, Information Science & Engineering.
- Dr. B. V. Raghavendra, HOD, Mechanical Engineering.
- Dr. D. Jayadevappa, HOD, Electronics & Instrumentation Engineering.
- Dr. M. Vijayakumar, HOD, Industrial Engg. & Management.
- Dr. B.S. Santhosh, HOD, Civil Engineering.
- Dr. B.C. Anil, HOD, CSE-AIML.
- Dr. M. V. Ramya, HOD, Robotics & Automation.
- Dr. T.S. Nanjundeswaraswamy, HOD, MBA.
- Dr. K. Rohitaksha, HOD, MCA.

Registration details

Registration link:

<https://forms.gle/D8Sh6GT3CjXeFYXb8>

For more details contact:

Dr. Chamaraja N. A. (Mobile No. 7892974176)

Ms. S. Bindhu (Mobile No. 9741871044)

Email Id: jssatebnsf2023@gmail.com

Registration Free

Attractive cash Prize

Senior category

1st prize - Rs. 8000/-

2nd Prize - Rs. 5000/-

3rd Prize - Rs. 3000/-

Junior category

1st prize - Rs. 5000/-

2nd Prize - Rs. 3000/-

3rd Prize - Rs. 2000/-



SCAN ME

ABOUT THE INSTITUTE

JSS Mahavidyapeetha Mysuru, shelters over 325 Institutions, both at home and abroad. JSS Academy of Technical Education, Bengaluru, is a premier Engineering and Management Education Institution run by JSS Mahavidyapeetha, Mysuru. The Institution was established in the year 1997. Located on a Lush green campus spread over 21.17 acres with State-of-the-art laboratories, smart digital classrooms, Industry-supported i0X, and a mobile application lab. JSS Science & Technology Entrepreneurship Park to support Innovation & Incubation of companies. The institute offers Bachelor of Engineering in Civil, Computer Science, CSE (AI&ML), Electronics & Communication, Electronics & Instrumentation, Information Science, Mechanical, Robotics & Automation Engineering. Master of Technology in Data Science & VLSI Design & Embedded Systems, BSc., Honors, Masters in Business Administration, and Masters in Computer Applications.

CENTRE OF EXCELLENCE

- M/s. Toyota Kirloskar Motor Pvt. Ltd.
- M/s. Digital Shark Technology Pvt. Ltd.

ABOUT THE DEPARTMENT

The Department of Chemistry is one of the first Departments (1997) to function with dedicated faculty members, modern laboratories, a vibrant research atmosphere, ample prospects for hands-on research experience, access to sprouting and precocious research areas such as advanced materials for engineering applications, bio-inorganic chemistry, bio-organic chemistry, tissue engineering, nanomaterials, biocatalysis, coordination chemistry, water treatment and smart materials for food preservation. The key features are state-of-the-art research facilities, more than 80 research articles, textbooks, patent, and funded projects from DST and VGST. The department has been recognized as a research center by VTU in the year 2016 and there are 3 approved guides as resource persons. Currently, 11 research scholars are working on their Ph.D.

The department has major equipment for the synthesis and characterization with the state-of-the-art facility. apart from teaching and research, the department has been organising programmes such as popular lecture series, Science week and Science fair for the well being of society.

WHY NATIONAL SCIENCE FAIR?

A science fair is a zone of motivating tool for students to present their science projects to professional scientists and the community. It provides a common ground on which educators, students, scientists, and industrialists can meet, discuss & frame programs, and circulate for the best tomorrow. Learning about science is the heart of a science fair. Its main goal is to get the student excited about science by doing it rather than merely learning about it and becoming more knowledgeable about how the world around them functions. It is a very effective instructional method; indeed, it is recommended as a cornerstone of successful science teaching and learning. The science exhibitions at school, PU/11th&12th & Degree level develop a scientific spirit and curiosity in a student which, in turn, forces them to think and creatively find solutions to the challenges. Students enjoy learning through such exhibitions and feel a sense of belongingness as they make the models with their own hands.

Objectives:

- To promote interest in science and technology zeal among students.
- Engage the students in learning new facts and inventions with passion and exhibit their projects.
- To Explore the creative talent of the students and guide them to think innovatively.
- To showcase the student's talents in science beyond their curriculum.
- Experts provide skills to develop scientific models and teaching aids for both students and educators.
- Special Lecture by scientists/technocrats and interaction of students with renowned scientists and industrialists.

PROGRAM SCHEDULE

Day-1: 31-08-2023

- Inauguration: by Chief guest, **Padma Shri Prof. S. Ayyappan**- Chairman, Karnataka Science and Technology Academy (KSTA), Bengaluru.
- Technical Talk by Dr. H.B. Rudresh, Vijaya metal finishing, Bengaluru.
- Display of Models by participants.
- Science competitions conducted by Mr. A.S. Abhishek, Gravity Science Foundation (State Awardee from Govt. of Karnataka for Children Development in Education & National youth icon Awardee-2019 in the field of Science communication).
- Sky Watch.

Day-2: 01-09-2023

- Technical talk by Mr. Rajeev Deekshit, Pyrotechnologies, KSSIDC, Ind. estate, Kanakapura.
- Special Lecture by Dr. Shamsundar, Dean (Retd.), JSS Hospital, Mysuru.
- Hands-on activities and exhibition of science models by experts.
- Display of Models.
- Activities on Science, Technology, Education, Arts, and Maths (STEAM) based education (Basic robotics, Maths models, and 3D printing).

Day-3: 02-09-2023

- Special Lecture by Dr. S.T. Aruna, Scientist, CSIR-NAL, Bengaluru,
- HAM Radio (Amateur radio) & Aero modeling (Demonstration of different kinds of working aero models)
- Valedictory & Prize distribution

ETHICS STATEMENT

Scientific fraud and misconduct are not condoned at any level of competition. This includes plagiarism, use or presentation of others researcher's work as one's own and fabricated data, for which JSSATEB will not hold the responsibility.

Who should participate

The participation in exhibition is open to all High schools, PU/11th&12th, BE/B.Tech, B.Sc/B.Sc (H)

Dates and Venue

The exhibition will be held during 31st Aug - 2nd of Sept 2023, at JSSATE Bengaluru.

VISION

To be among the finest Institutions providing Engineering and Management Education empowered with research, innovation, and entrepreneurship.

MISSION

- Strive towards Excellence in teaching-learning process and nurture personality development.
- Encourage Research, Innovation & Entrepreneurship.
- Train to uphold highest ethical standards in all activities.

GUIDELINES FOR THE EXHIBITANTS

- The participating institutions can send a maximum of 3 teams, each team should comprise not more than 3 members. The teams have to be accompanied by a teacher in-charge duly authorized by the institution.
- Each team will have to submit an abstract of their projects in not more than 250 words (In MS Word, times new roman, font size 12) along with a scanned copy of the filled-in registration form on or before 15-08-2023. The same may be submitted at the registration desk.
- Each team will be provided with a space of 3x2 ft (LxB) for the display of their models.
- All required materials should be carried by the exhibitors, including extension cords, etc.
- Student must set up their project.
- Candidates must prepare to answer any questions about the content and development of their projects.
- Commercially prepared models or kits cannot constitute a major portion of the project.
- No hazardous, toxic, or flammable materials are to be used.
- Standard safety rules shall be observed.
- Participants and the teacher-in-charge shall abide by all the rules set by the committee.
- Selected teams will be informed by the set date.
- No TA / DA will be paid to the participants.

THEMES

- Chemistry in Everyday life: Environmental issues, Agriculture and Food Safety, Alternative energy as a substitute to hydrocarbon energy.
- Health.
- Physics, Thermodynamics, Optics, Nuclear physics, astrophysics.
- Models in Mathematics / Mathematics in everyday life.
- Disaster Management.
- Biodiversity: Conservation and Sustenance.

Last Date for Registration: 25-08-2023

Acceptance Intimation date: 25-08-2023

ADMISSIONS OPEN FOR THE YEAR 2023-24

**CET CODE: E082
COMED-K: E060**

Ph.D Programs in all the disciplines

UG Programs offered

- Civil Engineering
- Computer Science & Engineering
- Computer Science & Engineering (AI&ML)
- Electronics & Communication Engineering
- Electronics & Instrumentation Engineering
- Information Science & Engineering
- Mechanical Engineering
- Robotics and Automation

PG Programs offered

- M.Tech in VLSI Design & Embedded Systems
- M.Tech in Data Science
- Master of Business Administration
- Master of Computer Applications

PRESTIGIOUS RECRUITERS



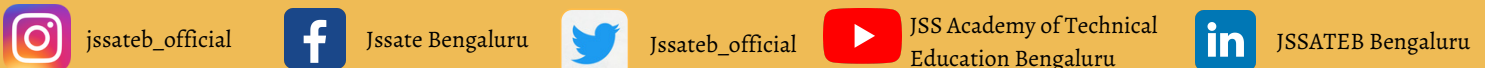
S.No.	Company Name	Package LPA
1	Amazon	45
2	Glodman Saches	28
3	Couchbase	24
4	Juspay	21
5	One Direct	20

S.No.	Company Name	Package LPA
6	Wells Fargo	20
7	Kickdrum	14.87
8	Phone Pe	14
9	Content stack	12
10	Wiley MThree	11

**For Admission Contact : Ph: 080-28612565/28611702,
6364771945 / 9916253458 / 9448234414 / 9900928583**

Designed by: Tejashwini K S, Dept. of Civil Engineering

Follow us on:



jssateb_official

Jssate Bengaluru

Jssateb_official

JSS Academy of Technical
Education Bengaluru

JSSATEB Bengaluru