



SURANA COLLEGE



Affiliated to Bangalore University
ISO 21001:2018, 14001:2015 certified, Accredited by NAAC with A
No. 167, 5th Main Road, Industrial Suburb, 2nd Stage, Behind FTI,
Near ESIC Hospital, Peenya, Bengaluru-560022

IN ASSOCIATION WITH KSTA
PRESENTS

SPARK

SCIENCE PROJECT AUTHORIZING RESEARCH KNOWLEDGE

NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAMME ON
PROJECT WRITING IN SCIENCE

MARCH 18 & 19 2024



KSTA



9:00 AM

Presided by

Dr. Archana Surana
Managing Trustee
Surana Educational Institutions

Dr. A.M. Ramesh
Chief Executive Officer
KSTA

Dr. Ramya R.
Principal
Surana College, Peenya

REGISTRATION DETAILS

Designation	Fees
Faculties	₹1000
Research scholars	₹500

FOR MORE DETAILS CONTACT

Faculty coordinator (DOS) :

Meenaakshi Srinivasan - 97318 52266

Faculty convenors :

Sachin A. Rosario - 98869 86716

Moulya A.P. - 9916102234

Priyanka Ashok- 9986281308

Shravani N - 9380945814

Hurry up - Limited seats only

Modest accommodation on a sharing basis can be availed at
nominal charges on a first-come, first-served basis.

SCAN THE QR CODE FOR REGISTRATION



About Institution



Surana College Peenya, is a budding institution established in 2017, under the aegis of GDA Foundation and is affiliated to Bangalore University. The institution is aimed at catering to all sections of society on need-based quality education. Surana College, which offers courses in Arts, Science, Commerce and Management streams, has clarity on students' future, both in their career and life. The emphasis is on development of Emotional Quotient along with Intelligence Quotient.

Students in our campus will have the due freedom coupled with responsibility and discipline. Concern for communities is one of the forefront objectives in our students' grooming. The able guidance and participatory style of leadership of Sri. Dilip Surana, Chairman of Surana Educational Institutions and Dr. Archana Surana, Managing Trustee, are the driving force towards starting a legacy in the field of education.

About KSTA



KSTA is a brainchild of Dr.U.R.Rao established in order to give impetus and to further the science and technology related activities in the State of Karnataka as well as to popularise science among different sections of civil society, especially in rural areas. Government of Karnataka established 'Karnataka Science and Technology Academy' under the Chairmanship of Late Prof. U.R.Rao, an internationally renowned Space Scientist and Former Chairman, Indian Space Research Organization (ISRO) on July 30, 2005.

KSTA is carrying out many dovetailed programs across the state and it has been playing a pivotal role in providing impetus for basic science education and popularisation of science among different sections of society, more particularly among rural students. KSTA has 15 members comprising of eminent scientists and educationalists as well as Principal Secretaries/Secretaries of the Government Departments.

ABOUT

FACULTY DEVELOPMENT PROGRAMME

The Department of Sciences at Surana College, in collaboration with the Karnataka Science and Technology Academy (KSTA), proudly presents SPARK - Science Project Authoring Research Knowledge. This national-level Faculty Development Program is designed to empower educators with the skills and knowledge needed for crafting impactful research projects specifically targeting premier funding institutes such as DBT (Department of Biotechnology), DST (Department of Science and Technology), UGC (University Grants Commission), and many more.

OBJECTIVES

Skill Enhancement:

SPARK aims to enhance the research proposal writing skills of faculty members, enabling them to create compelling and competitive proposals for national-level funding opportunities.

Understanding Funding Agencies:

Participants will gain insights into the expectations, guidelines, and evaluation criteria set by prominent funding agencies like DBT, DST, UGC, fostering a strategic approach to project development.

Networking Opportunities:
SPARK facilitates networking among participants, fostering collaboration and the exchange of ideas. Building a strong professional network is vital for future collaborative research endeavors.

Mentorship and Guidance:

Renowned researchers and mentors with a track record of successful grant acquisitions will provide valuable guidance to participants. This mentorship component ensures that faculty members receive personalized support in refining their project proposals.

Interdisciplinary Collaboration:

SPARK encourages interdisciplinary collaboration by bringing together faculty members from various scientific disciplines. This collaboration is crucial for addressing complex research questions and aligning projects with national priorities.

GENERAL INSTRUCTIONS

- The FDP is meticulously planned to cater the need of teaching fraternity, researchers and individuals interested to mould their career in sciences.
- The speakers deliver the talk on how to find topics/gaps in the field of their expertise and interconnect it with other streams of sciences.
- All are requested to register well in advance to ensure to secure the seat for the FDP. There is no refund available and no-exchange of registration is entertained.
- All participants are required to wear their ID cards visibly at all times during the FDP. The ID card serves as proof of registration and helps ensure security and access to program resources.
- Attendance at all sessions of the FDP is mandatory. Participants are expected to arrive on time for each session and remain present until the end. Any absences should be communicated to the organizers in advance
- Help maintain a clean and orderly environment throughout the FDP venue by disposing of waste properly and adhering to any facility rules or regulations.
- While electronic devices such as laptops, tablets, or smartphones may be permitted for note-taking or reference purposes, please ensure that their use does not disrupt sessions or distract fellow participants.
- Behave professionally and respectfully towards fellow participants, facilitators, and guest speakers at all times. Avoid disruptive behavior, side conversations, or any actions that may detract from the learning experience.
- Respect the confidentiality of information shared during sessions, particularly if it pertains to sensitive topics or personal experiences. Avoid sharing sensitive information without permission.
- Follow any instructions or guidelines provided by the organizers regarding session logistics, breaks, and other program-related activities. Cooperation ensures the smooth functioning of the FDP.
- Participate actively in feedback and evaluation processes conducted by the organizers. Your input is valuable for assessing the effectiveness of the FDP and making improvements for future iterations.
- Take advantage of networking opportunities to connect with fellow participants, facilitators, and guest speakers. Collaboration and knowledge-sharing can enhance the overall learning experience.

DAY- 1
MARCH 18 2024

TIME	PARTICULARS	SPEAKERS
09:00 A.M. - 09:30 A.M.	Registration	-
09:30 A.M. - 10:00 A.M.	Inauguration	-
10:00 A.M. - 11:30A.M.	Developing Ideas in sciences	Dr.K.N.Ganeshiah
11:30 A.M. - 12:00 P.M.	Eleveneses	-
12:00 P.M. - 01:00 P.M.	Pioneering Project Ideas in the Realm of Physical Sciences	Mr.Madhusudan
01:00 P.M. - 02:00 P.M.	Lunch	-
02:00 P.M. - 03:00 P.M.	Igniting Creativity in Chemistry Research Projects	Dr.G.Krishnamurthy
03:00 P.M. - 03:30 P.M.	High Tea	-
03:30 P.M. - 05:00 P.M.	Navigating Innovative Project Avenues in Biotechnology	Dr. Ravikanth. G

DAY- 2
MARCH 19 2024

TIME	PARTICULARS	SPEAKERS
09:00 A.M. - 10:00 A.M.	Cultivating Project Ideas in Botanical Research	Dr.Dinesh Nagegowda
10:00A.M. - 11:00A.M.	Inspiring Project Excellence in Zoological Research	Prof. Renee M Borges
11:00A.M. - 11:30A.M.	Eleveneses	-
11:30 A.M. - 12:30 P.M.	Exploring New Realms in Physics Project Design	Dr.Vinayak Kashinath Pattar
12:30 P.M. - 01:30 P.M.	Lunch	-
01:30 P.M. - 02:30 P.M.	Crafting Innovative Projects in Mathematics	Dr. Vishal Vasan
02:30 P.M. - 03:30 P.M.	Path to Secure Project Funding	Dr. Natesh .S.
03:30 P.M. - 04:00 P.M.	High Tea and feedback	-
04:00 P.M. - 05:00 P.M.	Valedictory and certificate distribution	-



Prof. Dr. K.N. Ganeshaiah,
Senior Scientist-INSA
Former Dean & Professor, UAS, Bengaluru

K.N. Ganeshaiah has served as an agricultural scientist in various capacity at University of Agricultural Sciences, Bangalore. He is a senior fellow at Indian Academy of Sciences and he has successfully completed many mega projects under DBT and has publications in reputed journal to his credits. He is also a novelist specialising in thrillers, and writes in the Kannada language. Ganeshaiah has published close to 30 novels and collection of short stories in kannada language along with several short stories in magazines and television shows.



Prof. Dr. Renee M. Borges,
Centre for Ecological Sciences, Indian Institute of
Science, Bengaluru

Prof. Dr. Renee M. Borges is an Indian evolutionary biologist and professor at the Centre for Ecological Sciences, Indian Institute of Science (IISc). Her research areas are behavioural and sensory ecology with special reference to plant and animal interactions such as figs and fig-wasps. Other areas of research interest include conservation biology and the history and philosophy of science.



Prof. Dr. G. Krishnamurthy,
Head of the Department of Chemistry,
Bangalore University

Dr. G. Krishnamurthy is an academic researcher, Professor & Chairman, Dept. of Chemistry, Bangalore University. He has contributed to research in topics: Cyclic voltammetry & Photocatalysis. The author has co-authored 60 publications in various journals. His current research areas include Energy Materials, Photocatalysis and Green Synthesis of Organic molecules. He has successfully secured VGST Project of Rs 20Lacs in 2022-23.



Prof. Dr. Dinesh Addihalli Nagegowda
Principal Investigator, Central Institute of Medicinal and
Aromatic Plants (CIMAP) Research Centre, Bengaluru

Dr. Dinesh Nagegowda leads "Molecular Plant Biology and Biotechnology" group at the CSIR-Central Institute of Medicinal and Aromatic Plants Research Centre, Bangalore, India. His group explores metabolic pathway steps and regulators of plant specialized metabolism in different medicinal and aromatic plants of importance through genomic, metabolomic and biochemical approaches. In addition, his group has been involved in enhancing the production of commercially and medicinally important specialized metabolites through metabolic engineering/ synthetic biology strategies.



**Dr. Vishal Vasana, International Centre for
Theoretical Sciences, Bengaluru**

Dr. Vishal Vasana, Reader at International Center for Theoretical Sciences (ICTS) is specialised in theoretical and numerical analysis of partial differential equations (PDEs) and their applications, including atmospheric and ocean dynamics, Bose-Einstein condensates, water waves, and biological tissue growth. He adopts a dynamical systems perspective, employing scientific computing, rigorous analysis, and formal asymptotics. His research focuses on two main themes: Dynamical systems & Data Analysis & Computation.



Prof. Dr. S. Natesh,
Consultant Advisor - National Institute of Immunology
Senior Advisor (Scientist 'H') - Department Of
Biotechnology, Government Of India

Dr. S. Natesh, a former Senior Adviser (Scientist-H) at the Department of Biotechnology (DBT), Government of India, has made significant contributions in various fields including Bioresources, Medicinal and Aromatic Plants, Environmental Biotechnology and many more. Notably, launched several successful programs such as Digitized inventories of bioresources of India and Gene banks for conservation of medicinal and aromatic plants during his tenure. He is serving as a board member of several nationally and internationally renowned institutions.



Shri. H.R. Madhusudan,
Former Educator
Jawaharlal Nehru Planetarium, Bengaluru

H.R. Madhusudan joined J.N. Planetarium in 1995 as Associate Educator, superannuated as Senior Scientific Officer. He's led diverse academic programs from Primary to UG levels, including science exhibitions, courses, and workshops in physics, chemistry, math, and astronomy. Madhusudan has also contributed to committees at Visvesvaraya Industrial and Technological Museum, Mt Carmel College, DSERT, and Bangalore University, and has been instrumental in creating scripts and visuals for planetarium shows.



Dr. Ravikanth G,
Senior Fellow, Ashoka Trust for Research in Ecology
and the Environment (ATREE), Bengaluru

Dr. Ravikanth, Senior Fellow, ATREE has focused his research on population genetics and molecular tools in tropical forests, conservation, and species recovery. With 150+ published papers, he's an expert in agrobiodiversity, invasive species, niche modeling, and bioprospecting. His work emphasizes understanding spatial genetic structure and gene flow in economically important species. He's dedicated to conserving Forest Genetic Resources in the Western Ghats and Eastern Himalayas, expanding into ecosystem services and promoting biodiversity in agriculture for food and nutritional security.



Shri. Vinay Kashinatha Pattar,
Physicist, Assistant coordinator - Education Technology
Unit at C.N.R. Rao Hall of Science, JNC SAR

Vinayak Kashinath Pattar is an Indian physicist currently serving as assistant coordinator at the Education Technology Unit, C.N.R. Rao Hall of Science, Jawaharlal Nehru Centre for Advanced Scientific Research (JNC SAR). He is passionate about science outreach and education, delivering popular science talks and demonstrations in Kannada and English. He conducts regular programs for school children and college students in Bengaluru and across Karnataka, focusing on hands-on learning through experiments. Vinayak has developed a low-cost, mobile Physics demonstration kit for high school teachers under the supervision of Bharat Ratna Professor C. N. R. Rao and Dr. Indumati Rao.