

# ANNUAL REPORT 2023



**It must be said that a nation cannot progress so long as education is considered as means for securing a livelihood and knowledge is valued in terms of the income one can earn from society by its use. Students, therefore, must realise the need of the hour and cultivate a positive social consciousness. They should firmly follow the path that will help them realise the ideal society they plan to build. For them, virtue is wealth, character is treasure, and knowledge is power. The worth of a student lies not in his physical strength and charm, riches and reputation, or status and scholarship.**

Excerpt from Prema Dhara (Vol. 2)

**SRI SATHYA SAI BABA**  
**Revered Founder Chancellor, SSSIHL**







## Foreword

When the world tottered back from the pandemic to normalcy, all educational institutions faced the challenges of stabilizing themselves in a considerably changed educational environment. The Campuses came back to life with the students and faculty returning after a hiatus. Sri Sathya Sai Institute of Higher Learning stepped up its efforts to resume the offline mode seamlessly. Orienting the new batches of students towards the integral system of education was done in right earnest by the faculty and the senior students.

This unique Institution has been contributing since the last forty-two years, significantly towards grooming young men and women of character, who are professionally sound and socially responsible along with being spiritually aware. Academic and research progress is a critical yardstick to measure the growth of any educational institution. This Annual Report will provide in brief a record of the activities, the achievements, and the visible and measurable outcomes of progress.

The Institute received research and teaching grants worth ₹ 3.95 crores in the academic year 2022-23. Over 30 e-conferences, workshops, and webinars were organized to enhance the academic experience of the faculty and the students. The faculty and research scholars together also participated in about 230 academic events. Over 148 guest faculty visited the Institute this year. 255 projects and dissertations have been completed at the UG and PG levels. 127 research papers and 85 conference papers were published by faculty members and research scholars in prestigious academic journals.

SSSIHL was one of the seven locations in the country which hosted the "World Space Week 2022" in association with Satish Dhawan Space Centre-SHAR, Department of Space, Government of India. A 'Walk for Space', an impressive exhibition showcasing the outstanding work India has done in space research, and many attractive competitions that SSSIHL organized in this regard received much acclaim. In continuation, the serial talks on "Vistas in Space Science" by high profile space scientists of the country surely has laid new seeds of thought amongst the students about the potential and prospects that lay hidden in that field.

SSSIHL also organized the National Science Day 2023 in collaboration with Dr. K. V. Rao Scientific Society (KVRSS), Sri Sathya Sai Seva Organizations (SSSO), India, and Nexus Consulting.

To mark the International Year of Millets, the Department of Food and Nutritional Sciences organized a national seminar on 'Millets as the Superfood'. Commemorating World Diabetes Day and National Nutrition Week go a step further to take the knowledge of the classroom and the laboratories to the masses. Societal benefit has always been the thrust of education at SSSIHL.

The English Language and Literature department came together to organize Edition III of its annual flagship event, Lit-Treat, for the first time transitioning from online to on-site. Poetry readings organized by the department added to nurturing the aesthetic sensibility of the literary minds.

Library is the store-house of all knowledge, and to promote its wider usage, the National Library Week celebrations were organized with much enthusiasm at the Institute. Awareness campaigns on NDLI also enriched the academic fraternity's understanding of the available resources.

Faculty Development Programmes and hands-on workshops in niche areas like Deep Learning, IoT, Quantum Computing, etc., are useful capacity-building exercises undertaken by many departments. Cyber security, gender sensitivity, etc., are also matters that we have turned our attention to.

The Innovation and Entrepreneur Contest saw many budding entrepreneurs making their bidding attempts at their novel ideas. The Management department, in particular, made plenty of efforts to give a 360-degree grooming experience to its students, the MBAs. Industry connect, is also on the rise in most departments.

The visit of Dr. Sethuraman Panchanathan, Director, National Science Foundation (NSF), USA, we believe, gave immense impetus to our students' scientific thinking. Dr. Frank Chang, President-Elect, of the Casualty Actuarial Society visited SSSIHL, and the Actuarial Data Science team from SSSIHL, participated in the Global Conference of Actuaries, all of which are matters of pride.

The state-of-the-art CRIF supports practical and topical research in disease biology, wastewater management, anti-cancer drugs, atmospheric chemistry, eco-friendly nano-materials, combating mineral malnutrition, nutritional care plans, etc. The Humanities and Social Sciences Research at SSSIHL focuses on policy analyses, philosophical readings, communicative competence models, climate change fiction, the role of spirituality in consumer behavior and sustainable living, etc. As envisioned by the Founder Chancellor, the tilt of all research is towards societal benefit in one or the other way.

That quite a few faculty members were invited to deliver scholarly talks at various other institutions, and many are reviewers for prestigious scientific journals, speaks volumes about the resource pool that SSSIHL has.

The students also have gladdened our hearts with their sterling performance outside of SSSIHL. Team SSSIHL's 'Overall Championship' at Datamaze 2023, CHRIST, Bangalore, is only a small example. A significant percentage of final-year postgraduate students also qualified in national-level exams in 2022-23.

With the divine grace of the Revered Founder Chancellor, we believe, that SSSIHL is on the path to excellence in the many spheres of activity it is engaged in, imparting values-based integral education that promotes holistic growth through 'educare' rather than mere 'education'.

*Prof. (Dr.) C B Sanjeevi*  
**Vice-Chancellor**





# Annual Report 2022-23

## Contents

### Introduction

Sri Sathya Sai Values-based Integral Education	6
Integral Education Activities	8
University Governance & Structure	10
SSSIHL Statistics 2022/23	12

### Academics & Research

Academic Events	14
Faculty Achievements	26
Research Scholars' Achievements	32
Faculty Participation	34
Research Scholars' Participation	40
Student Participation & Achievements	46
National Examinations	55
Projects & Dissertations	58
Central Research Instruments Facility (CRIF)	62
Central Research Laboratory (CRL)	65
Research Areas	66
Funded Research Projects	75
Research Publications in Peer Reviewed Journals	76
Conference Presentations and Proceedings	84

### Integral Education

Special Annual Events	90
Community Service	106
Cultural Events	108

# Sri Sathya Sai Values-based Integral Education

Sri Sathya Sai Institute of Higher Learning (Deemed to be University), Prasanthi Nilayam, Andhra Pradesh, India, is a visible manifestation of Bhagawan Sri Sathya Sai Baba's vision of education for human transformation.

Sri Sathya Sai Values-based Integral Education was designed by Bhagawan Baba to ensure deep inner transformation of the student during their student journey at SSSIHL. This concept is very unique at the institute level.

The Deemed to be University hosts students from across the country at its four Campuses located in the states of Andhra Pradesh and Karnataka, in India, and provides quality education **free** for all programmes of study.

## For Women:

- Anantapur Campus at Anantapur, Andhra Pradesh

## For Men:

- Prasanthi Nilayam Campus at Puttaparthi, Andhra Pradesh
- Brindavan Campus at Kadugudi, Bangalore, Karnataka
- Muddenahalli Campus at Muddenahalli, Karnataka

*The programmes offered include undergraduate, postgraduate, professional, and research. The institute has an open admissions policy for all, irrespective of income, religion, or social status.*

## Programmes offered include:

- Undergraduate: B.A. (Hons. / Hons. Res.), B.B.A. (Hons. / Hons. Res.), B.Com. (Hons. / Hons. Res.), B.S (Hons. / Hons. Res.), B.P.A / B.P.A (Hons.)
- Postgraduate: M.A., M.Sc.
- Professional: B.Ed., M.B.A., M.Tech.
- Research: Ph.D.

## A Modern Gurukula

Sri Sathya Sai Institute of Higher Learning (SSSIHL) was founded to inculcate ethical and moral values in students along with secular education. This transformation (of students, teachers, and staff) has been the guiding principle right from its inception when Sri Sathya Sai Institute of Higher Learning integrated ethics and values as the undercurrent of every subject taught at the Institute. Combined with academic and research excellence, the Institute provides a holistic framework of interpersonal development for its students. Its residential character trains the mind, body, and spirit of the student in an environment similar to the ancient Indian 'Gurukula' system of education, in the most modern context.

Teachers and students live and grow together in an atmosphere of mutual trust and unity. This helps students develop a wholesome and balanced personality, one where academic competence is intertwined with value systems.

## Distinctive Features

### Admissions

- Open admissions policy for all irrespective of income, religion, or region
- Quality education is provided **free** for all students

### Residential Character

- Residential character where all Doctoral Research Scholars, students, and select teaching faculty reside together in the hostel which enables the translation of lessons learned into practical skills through experiential learning
- Spiritual ambience in an environment of discipline and love
- Cultivation of the spirit of self-reliance, brotherhood, and sacrifice through mentoring and personal example

### Infrastructure

- Campuses set in spacious and peaceful surroundings
- Well-equipped, modern science laboratories and cutting-edge state-of-the-art Research Instruments Facility
- Automated Library using Integrated Library Management System (ILMS) and has a digitisation facility and is accessed through the online Public Access Catalogue (OPAC) within the campus premises
- Libraries across campuses with over 1.88 lakh volumes
- Connected to the National Knowledge Network (NKN)
- Computer and Multimedia learning centres with ultra-high-speed internet connectivity
- International Centre for Sports in the Prasanthi Nilayam Campus and sports facilities in the respective campuses

### Academics & Research

- Student-teacher ratio 8:1
- Integrated five-year programmes combining undergraduate and postgraduate studies for a systematic and graduated learning process
- Research Collaborations with premier Indian and Foreign Institutions and Industry
- Interdisciplinary/multidisciplinary research for societal benefit
- Awareness Programmes and Moral Classes reinforcing human values

### Integral Education

- Life lessons learned through the message of the Revered Founder Chancellor, Bhagawan Sri Sathya Sai Baba
- Integrating human values with secular knowledge
- Inculcating the spirit of self-reliance and service to society
- Synthesis of science and spirituality for societal benefit
- The concept of integral education that SSSIHL imparts is pursued by all teachers, staff, and students



## The Process

Sri Sathya Sai System of Integral Education system is a modern, rational, and scientific education system rooted in Indian ethos. It takes the best of both ancient and contemporary learning techniques.

The image on the right forms the basis of the system of Values-based Integral Education at SSSIHL. The base is the concept of a modern Gurukula that sustains all relationships and activities at SSSIHL. It is responsible for creating and sustaining the congenial environment necessary for the teacher-student interaction to grow and develop.

Adherence to discipline and appropriate behaviour are the two important aspects that encompass all interactions. The five human values of Truth, Right Conduct, Peace, Love, and Non-violence form the undercurrent of all the dimensions of integral education.

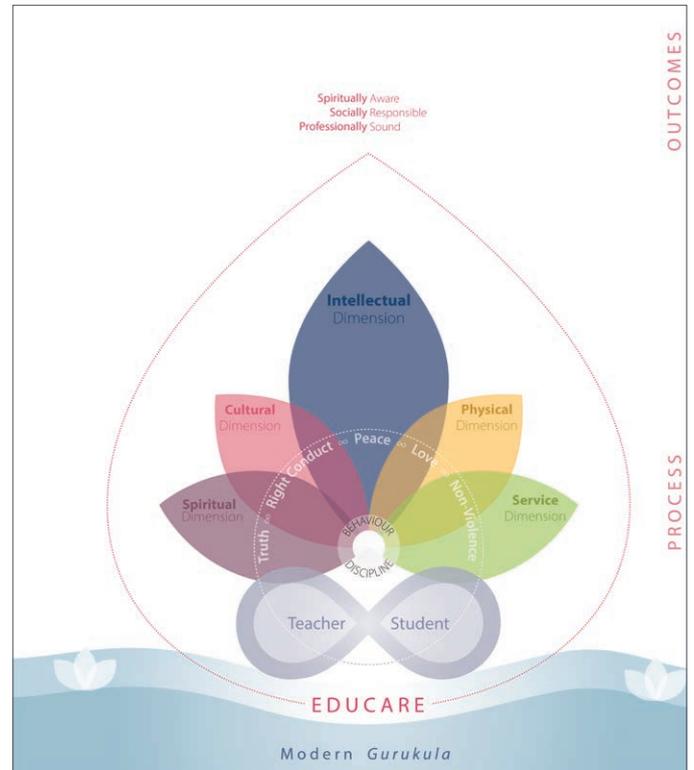
These dimensions are intellectual, physical, cultural, spiritual, and service. The key activities for each of these dimensions form the basis of most of the time that students spend at SSSIHL.

Bhagawan Baba purposefully designed the system of Integral Education so that students spend their time on academics (intellectual capacities) and also on the development of other qualities. This enables students to inculcate the virtues of teamwork, self-reliance, empathy, adaptability, discipline, and cooperation.

### The Daily Routine

This is a crucial component of this process. Each student's day starts at 5:00 a.m., with a couple of hours spent in prayer, exercise, and other vocational pursuits (such as practice sessions for music, band, traditional Indian music, etc.).

Classes commence at around 9:00 a.m. After college hours around 4:00 p.m., students move to the Sports Field/Mandir/Prayer hall for participation in sports and games/congregational chanting (Veda), devotional singing (bhajans), and other spiritual activities. These also include talks by eminent speakers on a variety of spiritual topics. Post which, students continue to concentrate on their studies.



## Sri Sathya Sai Values-based Integral Education

## The Outcome

The outcomes of the system of Values-based Integral Education at SSSIHL are threefold. It prepares all graduates to be:

- Spiritually aware
- Socially responsible and
- Professionally sound

It helps develop a strong character and positive qualities in students and nurtures virtues like adaptability, tolerance, and sacrifice; shaping them into noble and responsible citizens.

*I have established these institutions to impart spiritual education as a main component and worldly education as a secondary one. Education should enable one to cultivate good qualities, character and devotion. The teaching of the University curricula is only the means employed for the end, namely, spiritual uplift, self-discovery and social service through love and detachment.*

**Sri Sathya Sai Baba**  
Revered Founder Chancellor, SSSIHL



# Integral Education Activities

The Integral Education dimensions help develop a strong character and positive qualities in students, including a broadened perspective on life, self-confidence, and self-reliance, the dignity of labour and respect for work, determination, dedication, and commitment, a sense of equanimity, creativity and innovation, teamwork, selfless service, leadership, entrepreneurship, time management and the quest for excellence. Some of the activities conducted under each dimension are highlighted below:

## Spiritual Dimension

- Bhajans (Sankirtan)
- Vedic Chants and Stotrams
- Meditation & Silent sitting
- Suprabhatam (prayer at dawn)
- Assembly Prayer
- Brahma-panam (food prayer)
- Kshama Prarthana (night prayer)

The activities of the spiritual dimension enable a student to connect to his/her Divine inner self. This inner connection opens the heart and brings forth the feeling of love, compassion, and empathy for fellow human beings.



## Physical Dimension

- Sports
- Games
- Jogging
- Exercises and Yogasanas
- Annual Sports & Cultural Meet

Sports and games are a part of the daily routine of all students. From yoga classes to fitness training, from team sports to individual sports, students are encouraged to overcome their limitations and excel in these activities. SSSIHL has excellent sports facilities



## Cultural Dimension

- Celebration of festivals: Guru Purnima, Sri Krishna Janmashtami, Ganesh Chaturthi, Republic Day, Eid-ul-Fitr, Independence Day, Buddha Jayanthi, Christmas, Ugadi, Sri Ramanavami, etc.
- Brass Band
- Nadaswaram & Panchavadyam ensemble
- Annual Sports & Cultural Meet
- Performing Arts: Music programmes, Drama & Dance
- Fine Arts: Rangoli, Cardmaking, Photography, Altar making
- Public Speaking
- Debates and Elocution

From the performing arts to public speaking to the fine arts, the cultural dimension is designed to give students wide opportunities to find an avenue for their individual artistic expression.

SSSIHL makes every effort to provide the best possible resources—both material and human—so that students excel at their chosen activity.

Festivals of major world religions are celebrated, reinforcing the unity among all faiths. Every student is involved in one way or another in the celebration of these festivals.



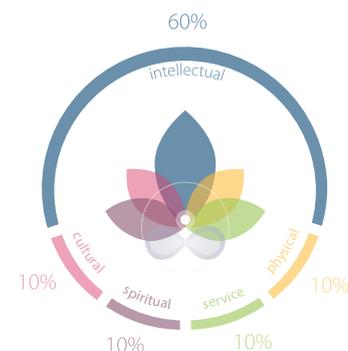
## Service Dimension

- Self-Reliance departments (for Skill Enhancement):
  - > Electricals, Plumbing (water supply), Audiovisual, General store, First-aid, Dietary services, Culinary skills, Arts and crafts, costumes & props, etc.
- Community Living
- Social Work
- Voluntary Work
- Grama Seva (Village Empowerment Programme)
- Prasadam Distribution

The philosophy of service at SSSIHL is based on the concept that divinity pervades all of humanity, and hence when you serve others, you are serving the Divine. Students learn to serve without expecting anything in return, other than the deep inner satisfaction of serving others.

The compulsory residential system, where students live in dormitory-styled accommodation with other students from totally different backgrounds (for a minimum of two years and up to five or more years), provides an excellent foundation for the service dimension.





## Intellectual Dimension

Apart from academics and research, the activities in this dimension include:

### Awareness Courses

These mandatory courses are designed to cultivate a broad view of the human condition in students. The course content (e.g. the Unity of Religions and Faiths, Study of the Indian Epics, etc.) helps trigger self-reflection and inquiry sensitizing students to the concerns of society, and gets them to think about practical solutions to these problems.

### Moral Class (Thursday)

At each campus, Thursday mornings begin with an hour of inspiring and ennobling talks by speakers focusing on their personal spiritual experiences, messages from sacred scriptures, and other elevated and socially relevant themes. It is also used to highlight students' talents in music, dramatics, elocution, debates, quizzes, etc.

In 2022/23, some of the topics included: Why are Values Important? 4 F's of Felicity, Eternally Talented India: Unleashing its Cultural Marvels & Hidden Wonders, Where There Is E-go, He Go-es, Indian Army, Origins of Life, The Divine Architect, Madhuram Sai Brindavanam, Just another Sai Alumnus 3 km away, Life Lessons of a Data Scientist, Life Lessons as a Manager, Life is a Challenge Meet it, Lessons from the Aadhar Story, Sai Student, Moral values from the Ramayana, Divine Directions, Role and Importance of Guru, Debate on Government Should Regulate Social Media, Panel Discussion on 'Corruption Free India for a Developed Nation', Yoga & Holistic Human Health, Significance of Ugadi and several sessions on Experiences, and teachings of our Revered Founder Chancellor.

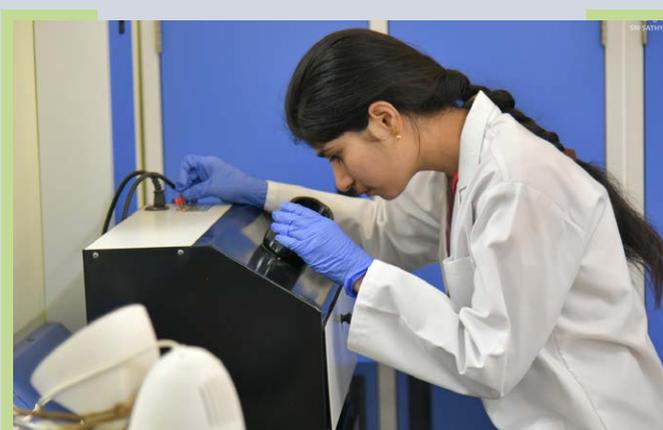
### Prayer Talks

Every morning before classes commence at the college, all students and teachers gather for the morning assembly. Prayers/Veda chanting/bhajans and a few minutes of silent sitting are sometimes followed by a talk by students, faculty members, or invited guests on topics related to morals and values.

In 2022/23, some of the topics included: Natana Sutradhari, God is Just a Call Away, Journey Inward in our Journey Upward, How to Become a Beautiful Page in Swami's Scrap Book, Proximity With God is the Greatest Wealth of All, Trial and Errors with Swami: Realisation in His Presence, His Delays are Not His Denials, Arishadvargas into the Right Direction,

Spirituality and Age-Old Practices in our System, Positivity in Life, Trust in God's Timings and Have Faith in His Decisions, Power of Thoughts, Tough Love, Recipe of Happiness, Three Indias, Changing Perspectives: The Black Dot, A Cup of

Confidence, Focus on the Process Rather than the Results, Purpose of Life, Positivity is Overrated, Teamwork Through Music, The Seven Hours, Superstitions, Facing our Fears, The Power of Prayer, The Universe is an Egg, Suffering is Grace, Time Management, The Power of Mind, The Power of Silence, Comfort Zone To Growth Phase Development, Mind of Man, Divine Hands in My Life, Fear of Criticism, Rameshwaram to Rashtrapati Bhawan - APJ Abdul Kalam, Fear of Failure, Perspectives and Attitudes: Key to Progress, Stress- The Silent Killer, Growth Projectile and the Process. Self-Love- A Path to your Inner Self, The Rat Race: Choice of Freedom, Certainty in Uncertainty, Failure - And My Stepping Stones, Cyber Jagrootha, Sports Meet - A Roller Coaster Journey, and Drama in Mandir.



# University Governance & Structure

**Sri Sathya Sai Institute of Higher Learning (Deemed-to-be University) was established by the Sri Sathya Sai Institute of Higher Learning (Public Charitable Trust), which in turn has been established by the Sri Sathya Sai Central Trust. Bhagawan Sri Sathya Sai Baba is the Founder of these Trusts.**

## The Trust

The Sri Sathya Sai Institute of Higher Learning (Public Charitable Trust) was founded to foster the culture of India and promote in the students and teachers an awareness and understanding of the social needs of the country; with a special focus on the needs of the rural population. It is aimed to inculcate in students a world perspective - an international outlook imbuing human values along with a spiritual and secular education. Its members for 2022/23 were:

- **Sri T K K Bhagwat**  
Former Chairman of Indian Overseas Bank and Former Advisor, International Monetary Fund
- **Sri S S Naganand**  
Just Law Advocates, Senior Advocate, High Court of India and Supreme Court of India, and Former President, International Commission of Jurists (Karnataka section)
- **Sri R J Rathnakar**  
Active Social Worker and Alumnus, Sri Sathya Sai Institute of Higher Learning
- **Prof. S P Thyagarajan**  
Chancellor of Avinashilingam Institute for Home Science and Higher Education for Women (Deemed to be University), Former Vice-Chancellor, University of Madras, Professor of Eminence & Dean (Research), Sri Ramachandra University and Eminent Microbiologist and Inventor
- **Dr. V Mohan**  
Chairman & Chief Diabetologist (Dr. Mohan's Diabetes Specialities Centre, an IDF Centre of Excellence in Diabetes Care), Director & Chief of Diabetes Research (Madras Diabetes Research Foundation, an ICMR Centre for Advanced Research on Diabetes)
- **Prof. K B R Varma**  
Former Vice-Chancellor (Sri Sathya Sai Institute of Higher Learning), Professor, Material Research Centre, (Indian Institute of Science, Bangalore)

## The Principal Bodies

The administrative and academic functioning of SSSIHL is carried out by the following two principal bodies:

- The Board of Management
- The Academic Council

## The Board of Management

The Board of Management is the principal authority of the Deemed-to-be University, responsible for its general management and administration. Its members for 2022/23 were:

- Prof. (Dr.) C B Sanjeevi, Vice-Chancellor, SSSIHL (Chairman)
- Sri S S Naganand, Member, Sri Sathya Sai Central Trust Nominee, SSSIHL (Public Charitable Trust)
- Dr. V Mohan, Chairman & Chief Diabetologist (Dr. Mohan's Diabetes Specialities Centre, an IDF Centre of Excellence in Diabetes Care), Director & Chief of Diabetes Research (Madras

Diabetes Research Foundation, an ICMR Centre for Advanced Research on Diabetes)

- Prof. K B R Varma, Former Vice-Chancellor (Sri Sathya Sai Institute of Higher Learning), Professor, Material Research Centre, (Indian Institute of Science, Bangalore)
- Prof. V Chandrashekar, Distinguished Professor and Centre Director, Tata Institute of Fundamental Research, Hyderabad
- Dr. Pushpati Nath Razdan, Former Vice-Chancellor, Dr. D Y Patil Vidyapeeth, Pune, Principal Adviser, Quality Assurance & Excellence Cell, Gookula Education Foundation
- Prof. M Muruganant, Provost, Adani University
- Prof. C N Sundaresan, Dean of Research, SSSIHL
- Dr. R Gowrishankar, Dean of Education, SSSIHL
- Prof. (Ms.) M Srividya, Dept. of Food and Nutritional Sciences, SSSIHL
- Prof. Pallav Kumar Baruah, Dept. of Mathematics and Computer Science, SSSIHL
- Prof. B Sai Giridhar, Registrar, SSSIHL (Member Secretary)

## The Academic Council

The Academic Council is the principal academic body of the Deemed-to-be University. It has general control over and is responsible for the maintenance of standards of teaching, research, and training, approval of syllabus, coordination of research activities, and examinations and tests within the SSSIHL. Its external members for 2022/23 were:

- Prof. B. V Rathish Kumar, Professor, Dept. of Mathematics and Statistics, IIT Kanpur
- Prof. K. R. Shanmugam, Director, Madras School of Economics, Chennai
- Prof. Balaji K. N., Dept. of Microbiology and Cell Biology, CIDR, IISc, Bengaluru
- Prof. M. Sainath, Professor of Physics and Executive Director, ICFAI Foundation for Higher Education Innovation & Entrepreneurship Council, ICFAI, Hyderabad
- Dr. Vijay Potluri, Head, Chemistry Operations, Syngene International Limited, Amgen R&D Centre, SARC, Bengaluru
- Sri Chandra Mohan, Director and Group President Finance, Tractors and Farm Equipment Limited (TAFE), Chennai

## Committees

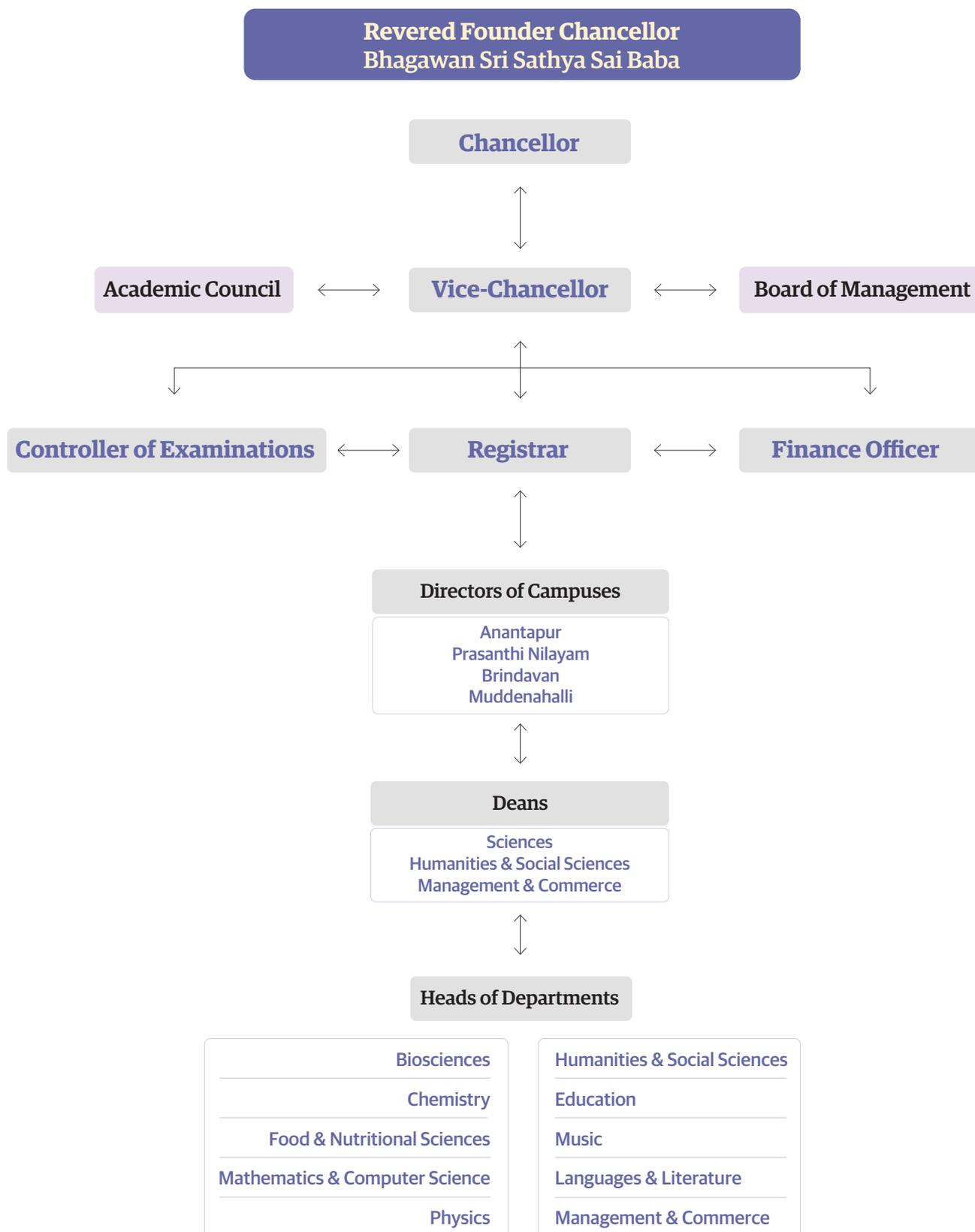
These are set up to ensure the high academic, research, and administrative standards that SSSIHL has striven to consistently maintain. They include:

**Important:** The Finance Committee, Planning and Monitoring Board, Research Advisory Board, Internal Quality Assurance Cell (IQAC), The Boards of Studies, Institutional Ethics Committee, Institutional Biosafety Committee, Research Conferment Cell, Building and Works Committee, and Campus-Hostel Management Committee, Finance and Infrastructure, Research Programs and Policy Development, Collaboration and Consultancy, Product development, Monitoring and Commercialization, IPR, Legal and Ethical Matters.

**Mandatory/Essential:** The Anti-Ragging Committee, Grievance Redressal Cell, Anti-Discrimination/ Minority/OBC Cell, Committees for SC/ST, Internal Complaints Committee, Intellectual Property Rights Cell and Innovation Cell, Social Media Cell, Student Counsellors, Internal Committee for students with Disabilities, Ombudsman, and Institute Industry Interface Cell, Entrepreneurship club, Institute Innovation Council, Research and Development Cell, International Students Cell, Gender Sensitization Cell.

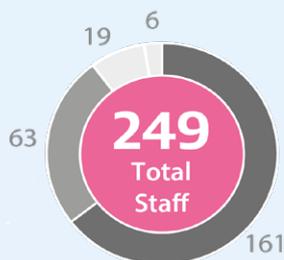


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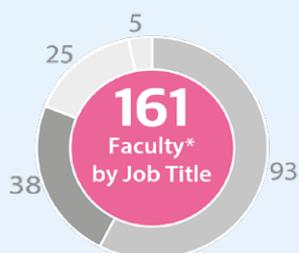


# SSSIHL Statistics 2022/23

## Staff Profile



161 Faculty (includes Adjunct)  
63 Administrative Staff  
19 Technical Staff  
6 Library & Sports

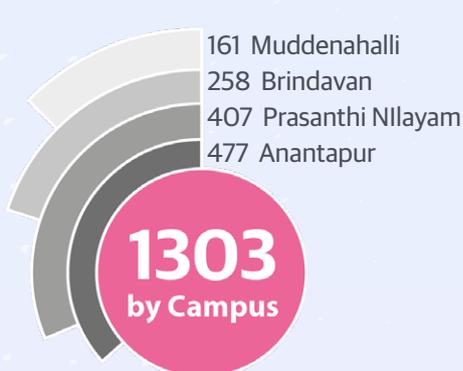


5 Professor  
38 Associate Professor  
93 Asst. Professor  
25 Others (includes Adjunct\*)



101/139 regular faculty have Ph.Ds.  
Additionally, 20 teachers are currently pursuing a Ph.D.

## Student Profile



## Graduates



259 164

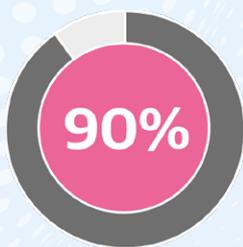


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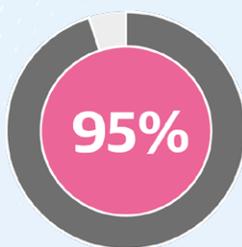


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## Examinations Pass Rates

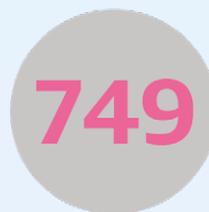


Undergraduate Programmes

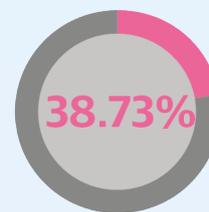


Postgraduate & Professional Programmes

## Admissions



Total Admissions



**749/1934**

Accepted/eligible applicants

Acceptance Rates



Research & Teaching Grants



Annual Expenditure on Equipment & Infrastructure



Annual Expenditure per student / per year



Student Computer Ratio



Guest Lecturers & Visiting Faculty



Teacher Student Ratio

## Academic Events

### Biosciences

#### Symposium on Biology of Infectious Organisms and Next Gen Therapeutics (SYMBIONT), March 31, 2023

**Mode:** Hybrid

A one-day national symposium titled "Symposium on Biology of Infectious Organisms and Next-gen Therapeutics (SYMBIONT)" was conducted on 31st March 2023 with the support of the UGC SAP DRS-III program for both undergraduate and postgraduate students of Biological sciences.

### Chemistry

#### Pick and Speak, January 28, 2023

**Mode:** In-person

The M.Sc. Chemistry students of the Prasanthi Nilayam campus participated in an activity called 'Pick and Speak' where they were given interesting and relevant topics in science/chemistry to speak about for 5 minutes.

#### Chem Q-I: Intra-departmental Quiz, September 24, 2022

**Mode:** In-person

The Department of Chemistry organized 'Chem Q-I: Intra-departmental Quiz' to make it more refreshing for students to learn Chemistry. The event was designed to help them brush up on their basic knowledge of Chemistry, and churn their aptitude towards the practical application concepts while familiarize them with the top scientists of India and world and their contributions in the field of chemistry. The topics covered through the four rounds were: General Chemistry, Practical aspects of Chemistry, Indian scientists, and recent Nobel laureates.

All the faculty members of the department contributed to the event as resource personnel. Dr. Naga Sai Visweswar K, Assistant Professor, and Dr. Lakshminath Sripada, Associate Professor in the Department of Chemistry coordinated the event.

### Education

#### Awareness Campaign on Gender-Related Issues, May 09-12, 2023

**Mode:** In-person

To provide all students, faculty, and non-teaching staff with the necessary knowledge regarding the various laws present in our nation and to raise awareness about protective measures against gender-related issues the Department of Education and the Gender Sensitization Cell organized an awareness campaign. The event included presentations by B.Ed. students as well as the display of posters on various themes, including female foeticide, rape, dowry, human trafficking, etc. The highlights of the event included providing awareness regarding various laws and acts in favor of women in the

Indian constitution, followed by video presentations on anti-dowry places, and the matriarchy system. The audience was sensitized regarding the need to stand up against the various gender-based offenses rather than sympathizing and behaving indifferently with the victim. The event was well received and appreciated by the audience.

### Food and Nutritional Sciences

#### National Conference on Millets: The Superfood - A Sustainable Path Towards Food and Nutritional Security, March 24-25, 2023

**Mode:** Hybrid

The Dept of Food & Nutritional Sciences, Anantapur, SSSIHL organised a two-day national conference on "Millets-The Superfood- A Sustainable Path Towards Food and Nutritional Security" in commemoration of the International Year of Millets 2023. A series of talks and panel discussion by eminent millet experts of the nation, poster presentation, and exhibition of millet-based food items was organized to emphasize and promote various aspects of the super-food and its impact including, health benefits, advances in processing technologies, entrepreneurship opportunities, future potential in millet-based baking and overall as a viable solution to food and nutrition security.



## World Diabetes Day: Education to Protect Tomorrow, November 15-22, 2022

**Mode:** In-person

World Diabetes Day is celebrated every year on the 14th of November all over the world. It was introduced in 1991 by the International Diabetes Federation and the World Health Organization in response to the alarming rise in diabetes around the world. To commemorate this year's theme "Education to protect tomorrow", a series of events, such as a poster exhibition at Anantapur Campus and Sri Sathya Sai General Hospital, talks, and presentations, and a Diabetic run, were organised by the Department of Food and Nutritional Sciences, to spread awareness about diabetes and its management.

## National Nutrition Week Celebrations 2022, September 01-07, 2022

**Mode:** In-person

The Department of Food and Nutritional Sciences, Anantapur Campus, conducted a week-long program from 1st to 7th September 2022, to celebrate 'National Nutrition Week.' The theme of this year's celebration was "Kuposhan Mukta Bharat" or "Malnutrition Free India". The main goal of this week-long celebration was to impart nutritional knowledge to people around us to promote a healthy community and nation. A series of organized events, such as quizzes, exhibitions, fun games, cultural programs, and caption writing contests, proved to be very enriching for both the beneficiaries and the benefactors.

## Languages and Literature

### English

## Lit-Treat: Edition 3: A Webinar Series on Life, Language, and Literature - Mythological Narratives in Indian English Literature, April 20, 2023

**Mode:** Hybrid

Lit-Treat: Edition 3 was held on April 20, 2023, with the theme Mythological Narratives in Indian English Literature. The chief guest Sai Swaroopa Iyer, a versatile puranic-fiction writer, in her inaugural talk, brought to light how mythological rewritings can be studied with academic rigour through a puranic quadrant. This was followed by hybrid parallel paper presentations by scholars and academics from SSSIHL and across the country, story-telling competitions in three languages, and a tableau competition that had displays based on poignant scenes from Indian epics and Puranas. The programme ended with a valedictory address by the Campus Director, Prof. M. Praphulla, followed by prize distribution to the winners of the competition.



### Poet, Poetry, and Poetics: Remembering A. K. Ramanujan, March 18, 2023

Mode: In-person

Commemorating A. K. Ramanujan's 94th birth anniversary and World Poetry Day a workshop was conducted. The inaugural address was followed by a cognitive analysis of AKR's poetry by the Research Scholar, Ms. Sreenidhi. The Guest of Honour, Mrs. Vidya Shankar, a poet and writer gave a talk titled "Poetry: In Search of the Antaryamin." This was followed by a poetry reading session by the students where she guided and discussed the art of poetry writing. The workshop concluded with an award distribution ceremony.



### Research Methodology Workshop Series, August & September 2022

Mode: Hybrid

A workshop on Research Methodology was conducted in a way of lecture series in July and August. This workshop was meant for UG and PG students, who were to begin their research projects. It was conducted to introduce to the students the very idea of research, its objectives, and how to do research. The students were given hands-on training in reference management and in following systematic ways of selecting their project topics, conducting a literature review, and choosing the appropriate method and methodology for their research. The resource persons for this workshop included both internal and external experts in the field. Some of the topics covered were Research Methods and Methodology in Literature and Language, how to select a research topic, how to conduct a literature review, and how to manage references using Mendeley.



### Library

#### User Awareness Program on National Digital Library of India (NDLI) and NDLI Club, May 27, 2023

Mode: Hybrid

The primary aim of this occasion was to raise awareness among the user community of Sri Sathya Sai Institute of Higher Learning (SSSIHL) about the resources available on the National Digital Library of India (NDLI) platform. Prof. B. Sai Giridhar, the Acting Vice-Chancellor delivered the inaugural address that was followed by a comprehensive overview of the NDLI Club and its objectives by Sri Dubbendu Chakrabarty, the Senior Outreach Manager South for NDL and NDLI Club. The informative session equipped the participants with the resources offered through the NDLI portal and the necessary steps to access and utilize them effectively. The event was coordinated by Dr. Raghunatha Sarma, Director, of PSN Campus, and Dr. M. Panduranga Swamy, Assistant Librarian, Central Library.



### 55th National Library Week Celebrations, Anantapur, November 14-17, 2022

Mode: In-person

National Library Week is an annual celebration highlighting the valuable role libraries, librarians, and library workers play



in transforming lives and strengthening our communities. On the occasion of National Library Week, 14-17, November, the following books were reviewed by the teachers and students: 'Sabari' by Shabari, reviewed by Dr. Kiron Bala Arora, Associate Professor (Hon.), Department of Hindi, A Bank for The Buck -The Story of HDFC Bank by Tamal Bandyopadhyay, reviewed by Kum. G. Navya Sai, III B.Com. The Power of Now: A Guide to Spiritual Enlightenment by Eckhart Tolle, reviewed by Dr. U. Suma, Associate Professor, Department of Management and Commerce, Autobiography - Peddabottu, translated by Dr. Sathya Sai Shree Lakshmi, reviewed by Ms. Pragya Parashar, Research Scholar, Department of Management and Commerce, and Around India in 80 Trains by Monisha Rajesh reviewed by Dr. Rani P L, Associate Professor, Department of English. Dr. N. Jayaprada coordinated the program.

## Management and Commerce

### Faculty Development Program on Effective Engagement Strategies: Classroom, Research and Consulting, May 07-11, 2023

**Mode:** Online

A Five-day FDP was designed exclusively for the faculty members of Sri Sathya Sai Institute of Higher Learning. The FDP aimed to provide a comprehensive understanding of various engagement strategies in the classroom, including design thinking, case methodology teaching, entrepreneurship and innovation, management games, leadership, research, Neuro-Linguistic Programming, and business consulting.

The program was designed to equip the participants with practical tools, techniques, and skills to enhance teaching, learning, and research activities. It was an excellent opportunity for faculty members to explore innovative ways to engage students in the classroom, keep up with the latest teaching techniques, and enhance their teaching skills.

**External Experts:** Sri Thiruvengadam Parthasarathi, Senior Director, Deloitte Touche Tohmatsu India Pvt. Ltd., Dr. R. Ramakrishnan, Senior Faculty, School of Design Thinking, Sri Kartic Vaidyanathan, Founder - LetUsPlayToLearn - an initiative that enables joyful learning, Sri Bhawani Prasad Chavali, Director - Learning and Development APAC & India (Global Training operations - HR), Parexel International, Dr. Ashish Pandey, Associate Professor, IIT Bombay - Shailesh J. Mehta School of Management, Sri Dhivakar Subramanian, Director, Cognizant Technology Solutions, Sri Naveen Lakkur, Founder & Chief Innovation Coach - Institute of Inspiring Innovation, Prof. Soumya Sivakumar, Associate Dean, College of Business, Innovation, Leadership and Technology, Marymount University, Dr. Kavitha Ranganathan, Associate Professor, T. A. Pai Management Institute

### 2nd Annual Entrepreneurship and Innovation Contest, April 20, 2023

**Mode:** Online

The 2nd Annual Entrepreneurship and Innovation Contest, organized by the Department of Management and Commerce

(DMC), Anantapur Campus, was held on 20 April 2023. The event aimed to encourage and promote entrepreneurial spirit and innovative thinking among students. The contest witnessed active participation from 11 teams, each showcasing their unique ideas and ventures. Mrs. Vasudaarini and Mrs. Aparna Rao, renowned industrialists, and start-up mentors, were the external evaluators for the contest. Their vast experience and expertise added immense value to the event, as they critically analyzed and assessed the presentations and business plans put forth by the participants.

### Workshop on Getting Ready for Professional Life - MBTI Assessments and Training, April 11-12, 2023

**Mode:** In-person

On day 1, the speaker Ms. Shivakami Suryanaryanan, Principal Consultant, Anahat Private Ltd. addressed the students online, regarding focus styles and career guidance. During her talk, she spoke about the social ecosystem and how the competencies of students should be leveraged with the kind of career



chosen. She believed the blend of interests, skills, abilities, and personality would help a student identify the right career for themselves.

On day 2, Ms. Janaki Venkat, CEO, of Anahat Pvt. Ltd. addressed the students in person. She started off the session by connecting the 3 C's: Confidence, Connection, and Community. She then spoke on the Myers Briggs Type Indicator (MBTI), giving the students a brief history and explaining each of the elements of the MBTI and the difference between each of them. The students then had the opportunity to conduct a self-assessment using the tool to understand it better.

### Workshop on Data Visualization with Tableau A Hands-on workshop, March 18, 2023

**Mode:** In-person

The workshop on Tableau focused on harnessing data effectively at the workplace to solve business problems. The workshop also focused on how Tableau can be useful for small industries, e-commerce/retail companies, manufacturing industries, and start-ups. Students presented dashboards towards the end of the workshop.





### Hands-on Workshop on Data Visualization with PowerBI, March 04, 2023

**Mode:** In-person

The one-day workshop for the students focused on exploring how data can be analyzed to provide actionable information that can help corporate executives, business managers, and others make informed business decisions.

### Artha-Sankalpa: A Discussion on the Union Budget 2023, Anantapur, February 04, 2023

"Artha Sankalpa", a discussion on the Union Budget 2023, was conducted by the Department of Management and Commerce and Humanities to create awareness among the students on the first "AMRIT KAAL" Budget released on 01/02/2023. During the weekly culture hour, the program was held in the Auditorium of Sri Sathya Sai Institute of Higher Learning, Anantapur campus. Dr. N Jayaprada, Assistant Professor of the Department of Management and Commerce spoke about seven pillars of this year's budget i.e. SathRishi - inclusive development, reaching the last mile, infrastructure and investment, unleashing the potential, green growth, youth power, and financial sector, followed by the panel discussion where students from various faculties played the roles of spokespersons from the different ministries of Indian Government, and discussed the budget. The panel discussion was followed by a quiz. The main objective of this part of the session was to encourage the students to read more about the budget and understand its various details and aspects.

### Workshop on Future of Work - Preparing for Success, January 27-28, 2023

**Mode:** In-person

The Department of Management & Commerce (DMC) and The Department of Mathematics & Computer Science (DMACS) of Muddenahalli Campus conducted a two-day workshop on the theme, "Future of Work". The purpose of the workshop was to gain insightful learning about the current and future work trends in this ever-changing data-driven world. A diverse group of speakers participated in interactive sessions aimed at achieving the workshop objectives. A varied range of topics was deliberated upon including - Data Analytics and Digital Transformation, Software-Defined Networks, Blockchain, Cloud Computing, and Microservices.



**External Experts and Guests:** Sri L. Ganeshkumar, Practice Head - Hi-Tech, Communications, and Media; L&T Technology Services, Bangalore; Sri Vivekananda Bharathi, Head of Growth, JoinMyTrip, Chennai; Sri Mohit Sethi, Senior Vice-President, KrypC, Blockchain, Bangalore; Sri Sathya Sai Mudigonda, (Adjunct Faculty, Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam; Sri Sai Prasanna Annamalai, Software Engineer, Azure Storage, Microsoft India, Bangalore; Sri Shoubhik Bose, VP & Head, Risk & Regulatory Data Platforms, Wells Fargo, Bangalore; Sri N. Harish, Co-founder - "Save right", Building Hyperlocal Robo advisory app in Fintech, Bangalore; Sri Vivek Mandhata, Partner at Boston Consulting Group (BCG), Chennai; CA. Punith Kumar, Associate Director, PwC India, Bangalore; Sri Upendra Sai Matsa, Director - Consulting Services, LatentView Analytics, Chennai and Sri Natarajan Jagannathan, President & Chief Operating Officer, Karur Vysya Bank, Karur, Tamil Nadu.

### BI Dashboard Workshop, January 19-22, 2023

**Mode:** In-person

This 20-hour workshop was designed to help students acquire the skills needed to use Microsoft Power BI & and Tableau in the organization. In the first part of the session, students learned through a series of labs and sample data how to use Power BI Desktop & and Tableau. In the second part of the session, students used their reports to compose a dashboard and learn to share it on the Power BI Desktop & Tableau. External Expert: Ms. Sreemathi Sampath, Corporate Trainer, Head Learning and Development, India, Linkskill Academy

### Workshop on Campus to Corporate - Career Counselling Workshop, November 01, 2022

**Mode:** In-person



The session was more about personal branding, best practices for resume writing, acing the interview, and transition from campus to corporate.

**External Experts:** Sowmya Parthasarthy, Social Entrepreneur, and Bahaduri Saravana Kumar, Co-founder & CTO, Shevolve Technologist.

### 36th MBA Day: Stealth Leadership, August 21, 2022

**Mode:** In-person

The 36th MBA Day was celebrated on 21st August 2022. The theme for the event was 'Stealth Leadership - A Model Towards Selfless Leadership'. Prominent leaders from the industry graced the occasion and spent their valuable time interacting with the students while sharing their perspectives on the importance and role of selfless leadership in the modern-day context. The entire discussion revolved around reinforcing the selfless aspect of a leader which ensures that the team feels empowered and the role of the leader thereby becomes an enabler as Lao Tzu said, "A leader is best when people barely know he exists when his work is done, his aim fulfilled, they will say: 'we did it ourselves'". External Experts from Aditya Birla Health Insurance, SBI Funds Management Private Ltd., Deputy Managing Director, SBI, and Sundaram Home Finance graced the event.

### Confluence of Sakthi, Siddhi, and Samshiddi - A Workshop, August 6, 2022

**Mode:** In-person

The workshop titled Confluence of Sakthi, Siddhi, and Samsiddhi brought in experts in areas of Management. Shakti, Siddhi, and Samsiddhi when translated into English read as Power, Knowledge, and Success. The Programme is centered around "Goals and self-awareness", "Brand You! - Developing your brand image for a successful career", "Live a Life of Purpose", and "Life lessons in the Context of the Theme."

**External Experts:** Mrs. Premamala Ramalingam, Managing Director, Jouve India, Mrs. Vidya Shah; Trainer, Singer, Musician, Social Activist and Writer, Mrs. Sosmeta Sheshadri, Director Delivery Excellence, Life Sciences Practice, Cognizant, Ms. Gayatri Rao Korde, Senior Vice-President of HDFC Bank, Ms. Bharathi Krish, Transformation Coach and Impact Professional.

### Orientation Programme for MBA Student, July 25 -26, 2022

**Mode:** In-person

The Orientation Programme brought in experts in areas of Management. The Programme is centered around orienting MBA students on various topics like case Methods of teaching, Campus to Corporate, Accounting, and Finance - Roles in Management, and what should be my ask from the MBA Programme.

**External Experts:** Prof. Sowmya Sivakumar, Associate Professor Marymount, University, Dr. R. D. Janaki, General



Manager - Finance and Accounts, Carclo, Bangalore, Mrs. Anu Vadlani, CEO, BIZ consulting, LLC, Mrs. Aruna Inguva, Associate Vice-President, Business Finance, Sutherland Global Services.

### Mathematics and Computer Science An Online Faculty Development Programme on Predictive Analytics with Python, May 11-20, 2023 Mode: Online

A hands-on Faculty Development Program (FDP) on Predictive Analytics with Python was organised by the Department of Mathematics and Computer Science (DMACS) from May 11-20, 2023. This program was designed to enhance skills in Python programming and its applications in predictive analytics. In addition, it helped them learn more about the world of data science and gain hands-on experience in building regression and classification models

### Interaction with Prof. Nalini Ratha, Empire Innovation Professor, Department of Computer Science and Engineering, School of Engineering and Applied Sciences, University at Buffalo, NY, March 5, 2023 Mode: Online

The faculty of the Dept. of Mathematics and Computer Science had the opportunity to meet and interact with Prof. Nalini Ratha, Empire Innovation Professor, Department of Computer Science and Engineering, School of Engineering and Applied Sciences, University at Buffalo, NY. During the 3-hour long session, the faculty discussed the academic and research potential of the department towards developing research collaborations.

### Problem-Solving Skills, February & March 2023 Mode: In-person

DMACS alumni from top IT industries regularly meet online to train final M.Tech. (CS) students in "Problem Solving Skills". During February and March, a total of 7 sessions were held (Feb 4th, 11th, 18th, 25th; Mar 4th, 11th, 18th) to groom the students in design thinking and problem-solving aspects.

### National Science Day, February 28, 2023 Mode: In-person

SSSIHL jointly organized and celebrated National Science Day 2023 (NSD 2023) on February 28th, 2023 in collaboration with Dr. K. V. Rao Scientific Society (KVRSS), Sri Sathya Sai Seva Organizations (SSSO), India, and Nexus Consulting. As part of NSD 2023 celebrations, different competitions were organized for both school and college students. Three competitions namely Essay, Painting, and Quiz were organized for schools across India to participate. The competition witnessed over 300 registrations from over 19 states. A Science Modeling display exhibition was also held as part of the celebrations. The valedictory ceremony saw an elaborate prize distribution for all the winners across various events that were held as part of NSD - 2023 and felicitation of the members and guests from Dr. K. Rao Scientific Society.





### **Visit of Dr. Frank Chang, President-Elect, Casualty Actuarial Society (CAS), February 27, 2023**

**Mode:** In-person

On February 27th, 2023, Dr. Frank Chang, the President-Elect of the Casualty Actuarial Society (CAS), visited the Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam Campus. Frank's visit aimed to interact with students and faculty of the department, and to present on the CAS, data science, and career opportunities for actuaries. In addition, he also gained insights into the service activities of the Super Specialty Hospital, Prasanthi Nilayam.

### **Interaction with the Leadership team of MetaLoga, February 25, 2023**

**Mode:** In-person

MetaLoga's top executives - CEO, CTO, Director, and Head of Ops visited DMACS to explore collaborative research in the areas of AR/VR. A note with the details of the collaboration was later shared with the administration.

### **Workshop on - Tuberculosis Epidemiology and the National Tuberculosis Elimination Program (NTEP), January 27-28, 2023**

**Mode:** Hybrid

The Department of Mathematics and Computer Science (DMACS) along with the National Tuberculosis Institute (NTI), Bangalore (BLR) jointly organized a mini-workshop titled "Tuberculosis Epidemiology and the National Tuberculosis Elimination Program (NTEP)" from January 27th - 28th, 2023. This workshop consisted of presentations about the various activities being carried out at NTI by the NTI resource persons followed by open discussions with faculty and students from the science departments of SSSIHL for possible joint research collaborations.

### **Hands-on Workshop in Deep Learning, June 15 - July 06, 2022**

**Mode:** Online

We organized a hands-on workshop focused on deep learning for students studying Data Science and Computing. The primary objective of this workshop was to provide participants with a comprehensive introduction to the fundamental components of deep learning and offer them practical experience through hands-on activities. By the end of the workshop, the students were equipped with the necessary skills to apply deep learning techniques effectively to address relevant problems in their respective fields. Sri P V S Prakash, an alumnus, and a senior Data Scientist with Amazon, Bangalore, was the resource person for this workshop.

## **Music**

### **Faculty Development Programme on the Study of Science & Application of Music, May 15-21, 2023**

**Mode:** Online

The FDP was conducted by the Department of Music, SSSIHL, Prasanthi Nilayam. Guest speakers were invited who delivered lectures on various aspects of Vocal and Instrumental Music including Research Methodology. Invited Expert Musicians: Padmashri Sumitra Guha (Hindustani Vocal), Pt. Rajan Kulkarni (Sarod), Prof. Indrani Chakravarti (Sitar), Prof. R S Jayalaxmi (Veena), Sri G. Venkat Rao (Mridangam), Dr. Shobhana Swaminathan (Veena), Vidhushi Gauri Pathare (Hindustani Vocal), Sri Erickavu N Sunil (Mridangam), Prof. Neelam Paul (Hindustani Vocal) and Dr. Gurupreet Kaur (Sitar). The teachers of the department who attended were: Sri Raghvendra K Badasheshi, Sri D. Anantha Rao, Sri Nishikant Barodekar, Sri S. Sai Ram, Sri Jagdish Kanadia, Sri R Mahesh Varma, Sri J Sai Dath and Sri P S Sreenivasan.

### **Alumni Interaction, December 31, 2022**

**Mode:** In-person

There was an interaction between the Teachers and the Alumni of the Music department in December 2022. The Alumni had shared their experiences during the period of their study here and with Swami. They also spoke about the different prospects and avenues for higher studies and jobs for students of BPA & Diploma while talking about their current work, placements, and experience.

## **Physics**

### **Skill Development Workshop on Optical Designing using Zemax Opticstudio by Dr. Vandana Sharma and Team, IIT Hyderabad, April 22, 2023**

**Mode:** Online

An online workshop was conducted by Dr. Vandana Sharma and the team on Zemax Opticstudio on 22 April 2023 for the final year B.Sc. (H) Physics students of the Brindavan campus, SSSIHL. The online event was coordinated by the Department of Physics, Brindavan campus.

### **In-House Workshop on Internet of Things (IoT), March 23-24, 2023**

**Mode:** Hybrid

The two-day in-house workshop on 'The Internet of Things' gave valuable insights into the various aspects of IoT technology, including its architecture, security, and application in different industries to the students and faculty. The hands-on sessions and group activities provided a practical understanding of IoT systems and their potential to improve productivity, efficiency, and innovation.

**External Experts and Guests:** Mr. Syed Junaid, Chief operating officer, National Sensor Hub, Andhra Pradesh Medtech Zone Ltd, Visakhapatnam, Sri Satyabrata Mohanty, Founder SMARTx & Steradian - IoT Startups, Chennai & Bhubaneswar, Dr. Sai Shankar N, Senior Director of Engineering, Synaptics Inc, USA, Sri Rama Kotapally, Founder -TSilicon.



### Prof. M K Sundaresan Memorial Workshop on Quantum Computing, January 30, 2023

**Mode:** Hybrid

A workshop on the theme “Quantum Computing” was conducted in the memory of Late Prof. M. K. Sundaresan, Department of Physics, Carleton University. Students of M.Sc. Physics and M. Tech. (Optoelectronics and Communications) attended the workshop.

**External Experts and Guests:** Dr. Vamshi M. Katukuri, Scientist, Max Planck Institute for Solid State Research, Stuttgart, Germany, Dr. Bharadwaj Chowdary Mummaneni, Scientific Staff at Fraunhofer IAO in Quantum Computing, Stuttgart, Baden-Württemberg, Germany, Ms. Pranshi Saxena, Quantum Computing Researcher - Deloitte, Qiskit Advocate - IBM Quantum, Dr. Jayasri D, Associate Professor and Quantum Computing Consultant, Ecole Centrale School of Engineering, Mahindra Univ., Hyderabad, Telangana.



### Other Events

#### Orientation Programme for New Faculty, Anantapur, March 13-17, 2023

An Orientation Programme for the newly joined faculty members was organised at the Anantapur Campus from 13-17, March 2023. The underlying purpose for organising a week-long orientation programme was to introduce the Sathya Sai Educare System through the teachings of the Founder Chancellor. The programme began with the Lighting of the Lamp and Invocatory Vedam Chanting, followed by the Inaugural Address by Dr. Rani P.L., who set the context for the orientation programme. The orientation sessions were taken by Senior faculty members, Prof. Dwaraka Rani Rao Hon. Professor, Department of Physics, Dr. Kiron Bala Arora, Associate Professor of Hindi (Hon.), Prof. N. Srividya,

Department of Food and Nutritional Sciences, Prof. Madhu Kapani, Hon. Professor, Department of Education, Dr. Rani P.L., Associate Professor, Department of English & Dr. U Suma Rao, Associate Professor, Department of Management and Commerce who interacted with the newly joined faculty members and shared their experiences that they have been cherishing all these years.

#### Vistas in Space Science - Talks by Eminent Indian Scientists from ISRO, Prasanthi Nilayam, October 03, 2022

Three eminent Scientists from ISRO Dr. V. Seshagiri Rao, Fmr. Distinguished Scientist and Fmr. Associate Director, SDSC, ISRO, Mrs. Nandini Harinath, Deputy Director, Spacecraft Operations, ISRO, and Dr. R. Umamaheswaran, Distinguished Scientist & Director HSFC, ISRO, participated in the Vistas in Space Science event held on 03 October 2022 in the Prasanthi Nilayam campus of Sri Sathya Sai Institute of Higher Learning.



Dr. V. Seshagiri Rao spoke to the students on the topic 'Making of Mini, Micro, and Nano Satellites and Applications Scenario', giving them an understanding of various satellite applications other than broadband and communication and a glimpse of the scheduling and budgeting of making and launching them.

The second speaker Mrs. Nandini Harinath spoke on 'Glimpses of ISRO's Inspiring Mission'. She touched upon the GPS Aided Geo Augmented Navigation (GAGAN), the Indian Regional Navigation Satellite System (IRNSS), the Search and Rescue distress system through COSPAS-SARSAT, and Space Debris mitigation. Mrs. Nandini Harinath then spoke on the popular Mars Orbiter Mission (MOM) India's first interplanetary mission, outlining the challenges of the mission. She also spoke on future missions, Aditya L1, and NISAR a joint earth observation mission between NASA and ISRO

Dr. R. Umamaheswaran spoke on "Indian Space Odyssey - Sounding Rockets till Gaganyaan" and shared how India improved its launch capability from SLV and ASLV to PSLV and GSLV. He spoke on the evolution of the Indian Space programme, taking the audience through all the major milestones. He said the PSLV was a quantum jump in making the next-gen launch vehicle that has seen over 53 launches including Chandrayaan and MOM and several international launches.

The event was an unforgettable experience that left both, the students and faculty, highly inspired.

The event was streamed live on the SSSIHL YouTube Channel:

**Session 1:** <https://youtu.be/foADz5DpEuk>

**Session 2:** <https://youtu.be/rsxmGLPc92s>

### **World Space Week 2022 Celebrations, Prasanthi Nilayam, October 05-07, 2022**

Sri Sathya Sai Institute of Higher Learning (SSSIHL) in association with Satish Dhawan Space Centre SHAR, Sriharikota, ISRO, Department of Space, Government of India, celebrated the "World Space Week 2022" from 5th-7th October 2022 at the Sri Sathya Sai International Centre for Sports, Prasanthi Nilayam, Puttaparthi. The theme for this year's celebrations worldwide is 'Space and Sustainability'. Puttaparthi was one of the 7 locations, the others being, Cuttack, Karaikal, Chennai, Vellore, Vizianagaram, Guntur, and Sriharikota.

As a prelude to the celebrations, the students held a 'Walk for Space' (Walkathon) on 4 October 2022, through the town of Puttaparthi to create awareness about space science and our space programs with society. Flagged off by Sri Rahul Dev Singh, IPS, Superintendent of Police, Sri Sathya Sai District, the walk saw over 400 students participate.

As part of the celebrations, SDSC SHAR conducted several competitions to reach out to the student community across





the Sri Sathya Sai District which included the space talent test, essay writing, painting, quiz, and drawing. Over 3700 students took part in the Space Talent test, 470 entries were received for the Poster competition, and over 40 for elocution. In addition, the competition was also extended to Anantapur, which saw 247 students participating in essay writing and 70 for Extempore. A short video was then played with clips and photographs from various activities held

An exhibition showcased the outstanding work done by SDSC SHAR through their exhibits including posters from their projects, scaled-down versions of their launches, ISRO launch videos, and prize-winning competition posters of young student participants.

The dignitaries who participated in the inaugural event on 5th October included: The Governor of Andhra Pradesh His Excellency Shri Biswabhusan Harichandan (Chief Guest), Shri A Rajarajan, Distinguished Scientist & Director, SDSC SHAR, ISRO, Shri R J Rathnakar, Managing Trustee, Sri Sathya Sai Central Trust (SSSCT), the Chancellor, SSSIHL, Shri K Chakravarthi, Vice-Chancellor, SSSIHL, Prof. (Dr.) C B Sanjeevi, Shri R Senthil Kumar, Dy. Director, MSA, SDSC SHAR, Shri C Muralidhar, Chairman, WSW, Puttaparthi, District Collector Shri P Basanth Kumar, I.A.S, Member of Parliament Shri Gorantla Madhav, and Shri D Sreedhar Reddy, MLA, Puttaparthi. Dr. S Sankaran, Chief General Manager, SMP & ETF, SDSC SHAR, ISRO was the Guest of Honour for the Valedictory ceremony on the 7th of October, along with Chief Guest Shri R J Rathnakar Managing Trustee, Sri Sathya Sai Central Trust (SSSCT).

The students and staff from all four campuses of Sri Sathya Sai Institute of Higher Learning (Anantapur, Muddenahalli, Brindavan, and Prasanthi Nilayam), and the Sri Sathya Sai Higher Secondary School, Primary School, and Smt. Easwaramma High School in Prasanthi Nilayam was extremely fortunate to witness and participate in the celebrations.

The inaugural event was streamed live on YouTube: <https://youtu.be/3VvcplVSmw>  
The valedictory event was streamed live on YouTube: <https://youtu.be/HIbc4-QOQaA>

#### **Dr. Sethuraman Panchanathan Visits & Interacts with Research Scholars and Staff, Prasanthi Nilayam, August 12-13, 2022.**

Dr. Sethuraman Panchanathan, Director, National Science Foundation (NSF), USA, visited the Prasanthi Nilayam Campus of Sri Sathya Sai Institute of Higher Learning and spent 2 days interacting and sharing his wisdom and experience with our research scholars (both men and women), and faculty members, on 12 & 13 August 2022.

Dr. Sethuraman Panchanathan is a former Member of the National Science Board, and a fellow of several prestigious

institutions, including the American Association for the Advancement of Science. He also served as Vice-President for strategic initiatives at the U.S. National Academy of Inventors and is a recipient of the Distinguished Alumnus Award and the Governor's Innovator of the Year for Academia Award for his scientific contributions.



# Faculty Achievements

## Awards & Recognitions

### Biosciences

- Dr. B E Pradeep delivered an invited talk at the Federation of Asian Biotech Associations (FABA) Antimicrobial Resistance Stewardship series 2023 and shared a lecture on “AMRx™- A Digital Technology Enabled UTI and AMR Prediction System to Support Empirical Antibiotic Prescription” held at the World Trade Centre, Nanakramguda, Hyderabad (May 14, 2023).
- Dr. S Venketesh delivered an invited talk (online), on “Genetic Variations and Metabolomic Factors as Modifiers of Huntington's Disease” at the National Conference, NIPER Lucknow (April 06, 2023).
- Dr. S Venketesh delivered an invited talk on “Genetic and Metabolomic Factors as Modifiers of Huntington's Disease” at the XXVIIIth Annual Symposium of the NMR Society of India and Conference on Magnetic Resonance in Biomolecules and Biomedicine, held at IISER, Berhampur (February 26, 2023).
- Dr. S Venketesh delivered an invited talk on “Genetic Variations and Metabolomic Pathways as Modifiers of Huntington's Disease” at the International Conference, Dept. of Genetics, Andhra University, Visakhapatnam (January 25, 2023).
- Mrs. B Anusha reviewed scientific articles for the Future Journal of Pharmaceutical Sciences, Springer Nature (December 2022 - March 2023).
- Dr. B E Pradeep delivered an invited talk (online), at the National Institute of Infectious Diseases and Vaccinology (NIIDV) of National Health Research Institutes on the topic “AI-Based Culture Free Prediction of Antimicrobial Resistance and Genome Analysis of Emerging Bacterial Pathogens” held at Taiwan (October 18, 2022).
- Mrs. B Anusha is an active Professional Member (PM69173524) of the Association of Pharmaceutical Research (October 17, 2022 onwards).
- Dr. B E Pradeep was a Resource Person for the refresher course in Health Management at UGC - HRDC, on the topic “Emerging Bacterial Pathogens and Anti-Microbial Resistance” organized by Sri Venkateswara University (September 01-14, 2022).
- Dr. Sujith Kumar developed an amniotic membrane that is used as a corneal implant, in collaboration with Dr. Anuj Sharma and Dr. Arpita, from SSSIHMS, Prasanthigram, and L V Prasad Eye Institute (July 22, 2022).
- Dr. B E Pradeep was a Guest at the Indo-Netherlands NL-India Innovation Mission - Digital Key Enabling Technologies Solutions for One Health and AMR, held at Hyatt Palace, Banjara Hills, Hyderabad (June 14, 2022).
- Dr. S Venketesh is an Editorial Board Member, of Scientific Reports (2022 onwards).
- Dr. S Venketesh is a Review Editor, at Frontiers in Physiology (2022 onwards).

### Chemistry

- Dr. B Praphulla Chandra was selected as a Section Editor for J. of Atmosphere and Oceanography Environment, an international full-text peer-reviewed open-access scientific journal, ISSN 2335-6545 (May 24, 2023).
- Dr. V N Ravi Kishore Vutukuri reviewed a manuscript for the Current Pharmaceutical Analysis journal (March 2023).
- Dr. J K Kiran Kumar reviewed a manuscript for the Methods and Protocols journal (November 2022).

### Education

- Dr. P Lavanya was chosen as a course writer for B.Ed. (DM) programme offered by the Directorate of Distance Education, Sri Padmavati Mahila Visvavidyalayam, Tirupati, for the courses: 'ICT for Enriching Teaching and Learning (3 lessons) & Pedagogy of Mathematics (2 lessons)', (July 08, 2022).

### Food and Nutritional Sciences

- Dr. M Meera shared the “Best Oral Presentation Award” with her student Ms. A Srinidhi for their presentation “Evaluation of Physical, Nutritional and Sensorial Attributes of Flax Seed Incorporated Composite Millet Flour Cookies” at the International Conference on Public Health & Dietary Lifestyle (virtual mode) organised by the Universal Society of Food and Nutrition (USFN), (May 10-11, 2023).
- Dr. M Meera shared the “Best Oral Presentation Award” with her student Ms. B Sowjanya for their presentation “Formulation, Development and Acceptability Attributes Composite Millet Flour based Gluten Free Crackers with Amaranth as Value Addition for Post- COVID Era” in International Conference on Public Health & Dietary Lifestyle (virtual mode) organised by the Universal Society of Food and Nutrition (USFN), (May 10-11, 2023).
- Prof. B Andallu received a “Special Recognition Award” at the 7th International Diabetes Summit (virtual) 2023 organised by Chellaram Foundation Diabetes Research, Pune (March 10-12, 2023).

### Other Recognitions

- Prof. N Srividya reviewed a paper for the Journal of Food, Agriculture, and Environment (May 2023).
- Dr. Jhinuk Gupta chaired a Session at the International Conference on Public Health & Dietary Lifestyle Organized by the Universal Society of Food and Nutrition (USFN) (May 10-11, 2023)
- Dr. Jhinuk Gupta reviewed 7 manuscripts submitted for publication in journals like Environmental Progress & Sustainable Energy, BMC Nutrition (June 01, 2022 - May 31, 2023).



- Dr. Meera M conducted a National Conference on “Millets-The Super Food”: A Sustainable Path Towards Food and Nutrition Security (March 24-25, 2023).
- Prof. N Srividya was the moderator for the panel discussion on “Entrepreneurship and Start-ups for Millets” at the National Conference on “Millets - The Superfoods”: A Sustainable Path Towards Food and Nutrition Security, organised by the Dept. of Food and Nutritional Sciences, SSSIHL, Anantapur Campus (March 24-25, 2023).
- Prof. N Srividya delivered an invited talk entitled “Making Rice Right! Nutritional and Therapeutic Aspects of Traditional Rice Varieties of South India - Generating Scientific Evidence” in the Technical-session VI in the National Traditional Paddy Conference held at Thiruvapur (March 19, 2023).
- Prof. N Srividya chaired an interactive panel session with farmers entitled “Value-added products from Traditional Paddy Varieties” as a part of the National Traditional Paddy Conference at Thiruvapur (March 18, 2023).
- Prof. B Andallu was invited to deliver a Plenary talk at the UGC SAP-sponsored National Conference on Recent Advances in Microbial Technology and Allied Sciences (NCRAMTAS-2023) organised by the Dept. of Microbiology, Sri Padmavati Mahila Visvavidyalayam, Tirupathi (March 16, 2023).
- Prof. B Andallu chaired a valedictory session at UGC SAP-sponsored National Conference on Recent Advances in Microbial Technology and Allied Sciences (NCRAMTAS-2023) organised by the Dept. of Microbiology, Sri Padmavati Mahila Visvavidyalayam, Tirupathi (March 16, 2023).
- Prof. N Srividya delivered a talk on “Spiritualising your profession” during the Faculty Orientation Program held at SSSIHL, Anantapur Campus (March 15, 2023).
- Prof. B Andallu was invited as a resource person to deliver a talk on “Good Laboratory Practices and Analytical Techniques” (Part II) in the departmental colloquium organised by the Dept. of Food and Nutritional Sciences, SSSIHL, Anantapur (February 04, 2023).
- Prof. B Andallu was invited as a resource person to deliver a talk on “Good Laboratory Practices and Analytical Techniques” (Part I) in the departmental colloquium organised by the Dept. of Food and Nutritional Sciences, SSSIHL, Anantapur (January 30, 2023).
- Prof. N Srividya delivered an invited talk on the “Importance of Medical Nutrition Therapy and Strategies to Lower Glycaemic Response in Foods” at Sri Sathya Sai General Hospital, Puttaparthi (November 19, 2022).
- Prof. N Srividya organised World Diabetes Day celebrations to spread awareness of diabetes-themed “Education to Protect Tomorrow” at SSSIHL, Anantapur Campus (November 15-22, 2022).
- Prof. B Andallu was invited to deliver a talk on “Dietary Management of Diabetes & Healthy Eating and Balanced Diet” in Sai Centre, Raleigh, North Carolina, USA (September 25, 2022).
- Prof. B Andallu was invited to deliver a talk on “Diabetes-types, Etiology, Complications” at the Sai Centre, Raleigh, North Carolina, USA (September 11, 2022).
- Prof. B Andallu was invited as a Resource Person to deliver a talk on “Dialogues & Discussions: Current Trends in Nutrition and Technology” on the occasion of Day 7 Proceedings of National Nutrition Week Celebrations conducted by the Dept. of Food and Nutritional Sciences, SSSIHL, Anantapur (September 07, 2022).
- Prof. N Srividya delivered a talk on “Recent Advances in Food Science and Nutrition” as a part of National Nutrition Week celebrations at the Department of Food and Nutritional Sciences, SSSIHL (September 07, 2022).



## Humanities and Social Sciences

### ECONOMICS

- Dr. G Raghavender Raju was the Peer Reviewer for the Journal of Economic Policy and Research (2022).

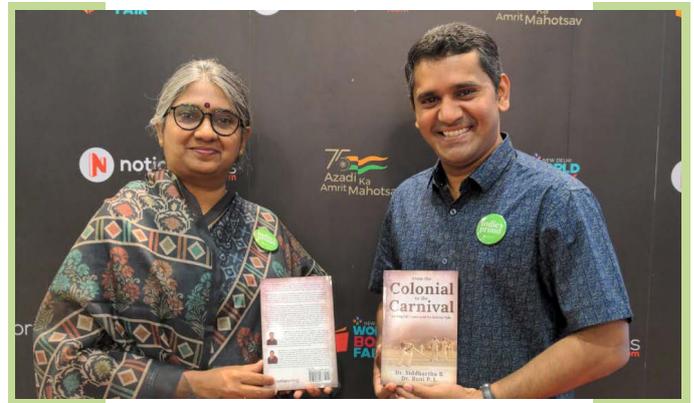
## Languages and Literature

### ENGLISH

- Dr. Aruna Kumar Behera was awarded the “Distinguished Professor Award - 2023” by the Institute of Researchers (April 25, 2023).
- Ms. Sai Archana M was awarded the “Young Achiever Award - 2022” for her outstanding professional achievements by the Institute of Researchers (March 27, 2023).
- Ms. Sai Archana M was awarded the “Best Ideal Women Teacher Award” in the field of education by the Avishkar Foundation (March 2023).
- Ms. Sai Archana M was awarded the “Young Researcher Award 2023” for her paper titled “An Eclectic Approach to a Conceptual Framework for Workplace Communicative Competence” by InSc Institute of Scholars (March 2023).

### Other Recognitions:

- Dr. Aruna Kumar Behera was invited as a Reviewer by the International Journal of Art, Culture, and Literature to review the paper “Minority Sections as ‘the Others’ in The Ministry of Utmost Happiness by Arundhati Roy” (May 2023).
- Dr. Aruna Kumar Behera was invited as a Reviewer by the International Journal of English Literature and Culture (IJELC) to review the paper “The Depiction of Diasporic Identity and Hybridity in Seasons of Flight by Manjushree Thapa: An Analysis” (April 2023).
- Dr. Aruna Kumar Behera was invited as a Judge for “The Ethics Bowl-Inter-school Debate Competition” by Army Public School (April 19-23, 2023).
- Dr. Aruna Kumar Behera was invited as a Chairperson for a panel discussion by SRM University, Tiruchirapalli for the 2nd International Virtual Conference on Generational Gender Perspectives in Literature and Media - G2LM’23 (March 24, 2023).
- Dr. Aruna Kumar Behera was invited as a Keynote speaker by SRM University, Tiruchirapalli for the 2nd International Virtual Conference on Generational Gender Perspectives in Literature and Media - G2LM’23 (March 23, 2023).
- Dr. P L Rani was invited as a resource person to deliver a talk at the Faculty Orientation-2023 at SSSIHL, Anantapur (March 12, 2023).



- Dr. Aruna Kumar Behera was invited as UGC Vidwaan - FRGS Dr. S Radhakrishnan Post-Doctoral Fellowship reviewer for “The Use of Persuasive Storytelling as a Means of Prevention and Combating Cyberstalking Review” (March 2023).
- Dr. Aruna Kumar Behera was invited as Editor-in-Chief of the International Journal of Art, Culture, and Literature (March 2023).
- Dr. P L Rani and Dr. R Siddhartha were invited as authors at the 31st World Book Fair at Pragati Maidan, New Delhi for their book titled “From the Colonial to the Carnival: An English Game and Its Indian Tale” (February 25 - March 5, 2023).
- Dr. P L Rani was invited as a moderator for panel discussions titled “Principals as TedX Speakers-Integrated School Audit” by Education India at the Vidwat Sabha - The Principal’s Conference on (February 12, 2023).
- Dr. P L Rani was invited as UGC Vidwaan - FRGS reviewer for “Linguistics Project Proposal Review” (February 2023).
- Ms. S Lakshmi Menon was invited as a speaker by SSSO, India, for a talk titled “Simple Living, High Thinking” at the Sathya Sai Sadhana Shibir for Youth, Prashanti Nilayam, Puttaparthi on (December 03, 2022).
- Dr. P L Rani was invited to collaborate with Amity University as a supervisor to a postgraduate student of the University for her M.A. dissertation on the topic “Silence in Communication” (November 26, 2022).
- Dr. Aruna Kumar Behera was invited to collaborate with Shri Jagdishprasad Jabharmal Tibrewala University to evaluate a Ph.D. thesis of a research scholar (November 08, 2022).
- Dr. Maitali Khanna was selected as a reviewer of Literary Voice, a UGC-Care-listed journal (2022).
- Dr. Aruna Kumar Behera was invited to set the M.A. (Eng.) question papers for Odisha State Open University (2022).



## Management and Commerce

- Dr. G Padmavathy shared the “Best Research Paper” award with Ms. Yashini Ramani MBA Student, for their paper titled “Artificial Intelligence in Human Resource Management: A Study on its Scope” at the International Research Conference on “Emerging Technologies in Business Management”, organised by MET Institute of Management in collaboration with the Department of Commerce, University of Mumbai and supported by AICTE, (April 28-29, 2023).

### Other Recognitions

- Ms. Akanksha Aggarwal was an Editor for IIP Publishing, for the book titled “Recent Trends in Management”, (May, 2023).
- Ms. Akanksha Aggarwal was recognised as a reviewer of InSc International Publishing Platforms and also for Technical Events under the stream Management and Social Science, (May 2023).
- Dr. U Suma delivered a talk to NLP students organised by Mahila Youth Wing, Sri Sathya Sai Seva Organisation, Chennai on “Nuances of Leadership - in the Life and Example of Sri Sathya Sai Baba”, (December 18, 2022).
- Dr. Swetha Thiruchanuru served as a Member of the National Advisory Committee for a two-day national conference on “Recent Trends in Research and Innovation”, organised by the Department of Commerce and Management, Sri Venkateswara Degree and PG College, Anantapur (December 08-09, 2022).
- Dr. U Suma delivered a talk to prospective students organised by Sri Sathya Sai Seva Organisation by Mr. Mukundan, (December 2022).
- Sri Vivek Kapoor was the Resource Person for the workshop on “Agripreneurship” by Chaudhary Charan Singh Haryana Agricultural University, Hisar, (November 28-29, 2022).
- Dr. Swetha Thiruchanuru was invited as a Resource Person by IIC for an online workshop on “Entrepreneurship and Innovation as a Career Opportunity” at Raghu Institute



of Technology, organised in association with IEDC, Visakhapatnam, (November 11, 2022).

- Dr. U Suma was invited to be a member of the Panel Discussion on “Values-based Integral Education for the Master Trainers Program” held at Prasanthi Nilayam, (November 05, 2022).
- Dr. U Suma was invited as Resource Person in the orientation programme held for the MBA students of the Anantapur campus, SSSIHL, and gave a talk titled “Unique Features of SSSIHL - MBA”, (July 25, 2022).
- Dr. U Suma gave an orientation talk titled “Educare” to the students of the Anantapur campus, SSSIHL, (July 11, 2022).
- Dr. U Suma was a Resource Person for lectures as a part of the Sri Sathya Sai Adhyatma Vidya Course by Sri Sathya Sai Centre for Human Values, (2022).

## Mathematics and Computer Science

- Dr. Sampath Lonka was invited as a Resource Person for “Mathematics and AI”, a one-day national level workshop on “Data Analytical Insights Using Computational Mathematics and Statistical Techniques”, Department of Mathematics and Statistics, MVS Govt. Arts and Science College, Mahbubnagar, Telangana, India (February 09, 2023).
- Dr. N Uday Kiran was the Editor of “International Transactions in Mathematical Sciences & Computers”, Vol 14(1), A journal of the Association for the Advancement in Combinatorial Sciences Frequency (2022).
- Dr. D K K Vamsi was the Lead Guest Editor for a special issue titled “Infectious Disease Modeling in the Era of Post COVID-19” for the Computational and Mathematical Biophysics journal (2022).

## Music

- Sri Raghavendra K Badasheshi was invited as a Judge by Gulbarga University for the Inter-Collegiate Youth Festival at Jnana Ganga Campus, Gulbarga University, Kalaburagi (December 28-30, 2022).
- Sri Raghavendra K Badasheshi performed at the Kalyana Karnataka Amruta Mahotsava 2022, organised by the State Govt. Karnataka in association with KKRDB, Kalaburagi (September 21, 2022).

## Physics

- Dr. Swarup Kundu received a “Certificate of Excellence” at the ADI- Faculty Industrial Training Program (2022-2023) on LTSpice, MAX32xxx series microcontroller, and ADALAM2000 from Analog Devices India, Bengaluru (December 15-16, 2022).





- Dr. Sai Muthukumar received a "Merit Certificate" at the 'ADI- Faculty Industrial Training Program (2022-2023)' on LTSpice, MAX32xxx series microcontroller, and ADALAM2000 from Analog Devices India, Bengaluru (December 15-16, 2022).
- Dr. Murali Ravi received the "ADI Young Innovator" Award from Analog Devices Inc. in recognition of his work done in developing a state-of-the-art Gamma Imaging System for early detection of cancer and a cash prize of Rs. 1,00,000, (September 2022).
- Dr. Sai Muthukumar shared the "Best Oral Presentation" award along with his student Mr. Siddharth Ranasingh (M.Sc.) for their research presentation at the International Conference on Crystal Growth and Spectroscopy (ICGS-2022), (virtual) which was organized by the Department of Physics, St. Joseph's College (Autonomous) Tiruchirappalli-620002, Tamil Nadu, India (August 29-31, 2022).
- Dr. Murali Ravi was awarded a "Letter of Merit" by the Chairman and CEO of Cisco, Mr. Chuck Robbins, for successful completion of all three Cisco Certification Examinations conducted by CCNA to qualify as an instructor for 30 odd Cisco programs (August 2022).
- Dr. Vedavathi Aluri received the "Academic Excellence Award 2022" from the Institute of Researchers, registered and recognized by the Ministry of MSME, Govt. of India, (2022).

### Other Recognitions

- Dr. C Prathibha delivered an invited talk "Nano Materials for Efficient Water Remediation" in the National-level Guest Lecture on Nanoscience and Nanotechnology organised by the Department of Physics, KL University, Guntur (February 10, 2023).
- Dr. K Vijay Sai is selected as a Reviewer for the Journal of Physics and Chemistry of Solids, Elsevier (January 2023).
- Dr. Deepa Seetharaman visited Uppsala University, Sweden, between 29 Nov - 09 Dec 2022, as part of a research collaboration and also presented an invited seminar

entitled "Our Research Explorations with Materials", at Department of Materials Science and Engineering, Angstromlaboratoriet, (December 05, 2022).

- Dr. Murali Ravi was invited to deliver an invited talk at ADI Innovation Day in Analog Devices Inc., Bangalore on the topic of "SAIGC - Innovative Gamma Camera Solution for Early Cancer Imaging" (September 20, 2022).
- Dr. C Prathibha reviewed a manuscript for the journal, RSC Advances (December 2022).

### Prof. Prakash Chandra Sood Conferred the Padma Shri

Eminent nuclear scientist and academician Prof. Prakash Chandra Sood was conferred the Padma Shri - the fourth highest civilian award by the Govt. of India for his distinguished service and contribution as a Professor of Nuclear Science, teaching over 3 generations of nuclear



scientists. Prof. P C Sood received the award from President Droupadi Murmu on Wednesday, 22 March 2023 at a ceremony held at the Rashtrapati Bhavan under the category 'Literature and Education'.

Prof. P C Sood established in-person contact in various capacities with 67 Universities and Research labs in India and 62 Institutions in 12 nations abroad, contributing significantly to developing scientific thought and culture in general and to the advancement of University-based Nuclear Physics in particular. He was named the 'Senior Most Active Nuclear Scientist of India' during a special session in the 60th annual DAE Nuclear Physics Symposium in 2015. Prof. P C Sood published over 300 research papers in national and international journals and conferences.

A distinguished academician and research scientist, Prof. P C Sood is an ardent devotee of Bhagawan Baba and His Teachings. He has been associated with the Dept. of Physics, Sri Sathya Sai Institute of Higher Learning for over 25 years, and has even co-authored over 100 research papers with his students from across our campuses. His illustrious career spanning over seven decades has won him several national and international honours and awards for his significant contribution to the advancement of scientific temper, specifically in the field of Nuclear Physics, Allied Physics, and Physics Education.

### **SSSIHL Wins the 2022 CAS University Award - First Indian Higher Education Institute Honoured by CAS**

The Casualty Actuarial Society (CAS) selected and conferred upon Sri Sathya Sai Institute of Higher Learning (SSSIHL) the 2022 CAS University Award. SSSIHL is one of the four universities selected this year from over 43 applicants worldwide by a panel of judges from companies across the property and casualty insurance industry.

It is also a matter of great pride that SSSIHL is the First Indian Higher Education Institution honoured with this award since the inception of the [CAS University Award Program](#) in 2016. The other three are Bryant University, Drake University, and the University of Wisconsin-Eau Claire, all from the USA. The award is in recognition of the exemplary and innovative ways in which the SSSIHL Actuarial Program prepares students for a career in the property and casualty insurance industry and for the impressive curriculum, research, and industry engagement giving students the opportunities to gain exposure to the industry.

Established in 2016, the CAS University Award Program is an annual program designed to celebrate and promote universities for the innovative and exemplary ways they prepare students for a career in the property and casualty insurance industry. The award also includes a monetary prize of \$5,000 to further enhance their programs.

The Actuarial Data Science group, Department of Mathematics and Computer Science is led by Professor Pallav Kumar Baruah and Sri Satya Sai Mudigonda. Their dedication, hard work, and goal-oriented approach over the years contributed to the richness and success of the SSSIHL Actuarial Program.

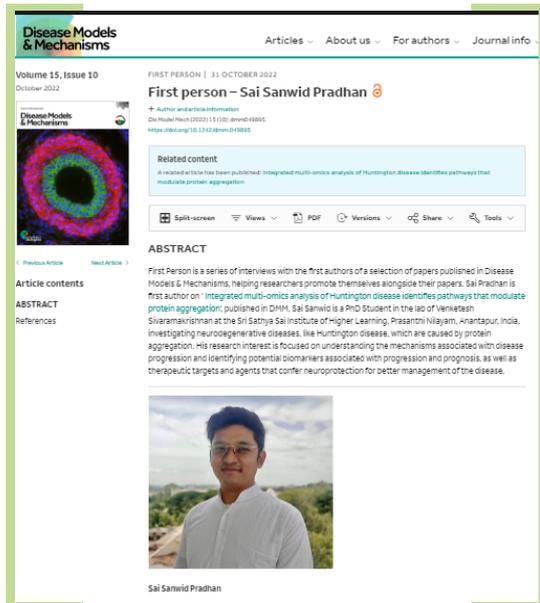


# Research Scholars' Achievements

## Awards & Recognitions

### Biosciences

- Sri Sai Sanwid Pradhan was selected for the "First-person Interview" by the journal, Disease Models & Mechanisms (October 31, 2022).



### Food and Nutritional Sciences

- Ms. Amrita Shaw received the "Best Poster Presentation Award" for presenting a poster at the International Conference on Public Health & Dietary Lifestyle, organised by the Universal Society of Food and Nutrition (USFN) (May 10-11, 2023).
- Ms. Sai Dharshini S received a "Special Recognition Award" at the 7th International Diabetes Summit 2023 organised by the Chellaram Foundation Diabetes Research, Pune (March 10-12, 2023).

### Other Recognitions

- Ms. Sai Dharshini S cleared stage 1 of the Pan-India E-Quiz, organised by the Nutrition Society of India, Mumbai Chapter in collaboration with Lifeness Science Institute to celebrate World Food Day 2022 (October 17, 2022).



### Languages & Literature

#### English

- Ms. Sreenidhi S received a "Student Bursary" from the Poetics and Linguistics Association to present her paper at the annual PALA conference held in Aix Marseille University, France (July 06-10, 2022).

### Management and Commerce

- Ms. Akanksha Aggarwal was awarded the "Research Excellence Award 2023" by the Institute of Scholars for her research paper titled 'Antecedents of Eco-conscious Consumer Behaviour among Millennials: An Empirical Study of Emerging Market Using SEM' (May 2023).
- Ms. Akanksha Aggarwal was awarded the "Best Paper Award" at the 10th International Conference on Advances in Business Management organized on the theme 'Business Practices in the Era of Sustainable Development Goals (SDGs) 2030 and New Age Technologies', by the Department of Management and Commerce, Shaheed Bhagat Singh College, University of Delhi (November 11-12, 2022).



### Other Recognitions

- Ms. Akanksha Aggarwal was recognised as the Reviewer for the Sage Journal, Environment and Behaviour (2022).

### Mathematics and Computer Science

- Sri Raghava was awarded the "Third Best Paper Award" for the special issue on IICT-2023, at the Umagine Chennai Summit (March 25, 2023).

### Physics

- Sri Santosh C R won the "Best Presentation Award" in the Indo-UK workshop on Translating Laboratory Astrophysics to Instrumentation for Human Assistance, 2023, for his presentation on the topic 'Development of a Fully Automated & Cost-Effective Intensity Autocorrelator for Ultrafast Fiber Lasers' (March 14, 2023).
- Sri Prajal Chettri won the "Best Presentation Award" in the Indo-UK workshop on Translating Laboratory Astrophysics to Instrumentation for Human Assistance, 2023, for his presentation on the topic 'Low-cost Optofluidic Platform for Colorimetric Assessment of Bacterial Activity in Domestic Wastewater' (March 14, 2023).



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# Faculty Participation

## Biosciences

- Dr. Isha Sai, Dr. Vijeyakumary Vijayaratnam, Dr. Pallavi Cheguru, Dr. P Jyothikumari and Dr. E M Ramya participated in an online workshop on “7-day National Level Online Faculty Development Program on Outcome Based Education (OBE)” organized by Nirmala College, Muvattupuzha, Kerala, in association with The Kerala State Higher Education Council (May 10-17, 2023).
- Mrs. B Anusha completed a 12-week NPTEL certification and FDP on “Interactomics”, organised by IIT-Bombay (February - April 2023).
- Dr. P Sujith Kumar completed a “Basic to Advanced Bioinformatics Training Course” (virtual mode), organised by the Centre of Bioinformatics Training and Research, Lucknow (February 20 - March 02, 2023).
- Dr. P Sujith Kumar participated (virtual mode) as a delegate at the 3rd international conference on “New Horizon in Drug Discovery and Development Process” held at Adamas University, Kolkata, in collaboration with AICTE, New Delhi (February 23, 2023).
- Dr. P Sujith Kumar participated in the digital module of the one-month international workshop on “Genomes to Pathways”, 3rd edition, (December 03 - December 21, 2022).
- Dr. Pallavi Cheguru and Dr. P Jyothikumari participated in an online workshop on “Short-Term Bioinformatics Training on Computer-aided Drug Design” organized by the Centre of Bioinformatics Training and Research, Lucknow (November 19-28, 2022).
- Mrs. B Anusha participated in a seminar (virtual mode) on the “Direct Healthcare Cost of Non-communicable Diseases in Malaysia”, Malaysian Device Authority, Ministry of Health, Malaysia (October 09, 2022).
- Dr. Pallavi Cheguru completed an online course on “NieCer 103: Scientific Writing in Health Research” organized by ICMR-National Institute of Epidemiology (October 2022).
- Mrs. B Anusha participated in a 7-day national workshop on “Advanced Analytical Techniques” organized by the Department of Science and Technology, Post Graduate Department of Biosciences, Sardar Patel University, Anand, Gujarat (September 19-25, 2022).
- Mrs. B Anusha attended a national online workshop on “Trends in Book and Journal Publishing” organized by Archbishop Kavukattu, Central Library, Assumption College (Autonomous), Changanacherry, Kottayam, Kerala (August 06-24, 2022).
- Dr. E M Ramya has completed 8 weeks of NPTEL Certification and FDP programme, on “Cell Culture Technologies” organised by IIT Madras (August - October 2022).
- Mrs. B Anusha participated in a webinar on “Hepatitis: Act Now” organised by the Universal Society of Food and Nutrition (July 28, 2022).
- Mrs. B Anusha attended an online short-term course on “Statistical Packages for Data Analysis”, organized by Osmania University, UGC- HRDC, Hyderabad (July 24-30, 2022).
- Dr. Sutanuka Chakraborty attended a webinar on “European Research Council - Grants for Top Researchers from India” (July 14, 2022).
- Dr. Jyothi Kumari completed an 8-week FDP course on “Introduction to Proteomics” organized by NPTEL-AICET (July-Sep, 2022).
- Mrs. B Anusha participated in the induction/ orientation programme for faculty in universities/ institutes of higher education organized by the Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of the Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (June 10-July 19, 2022).
- Dr. Sutanuka Chakraborty participated in the Theoretical and Practical Course on “Applications of Flux Analysis and Synthetic Biology in Bioenergy (A FASynt Bioenergy) at ICGEB, New Delhi- sponsored by DBT, Govt. of India (June 09-15, 2022).
- Mrs. B Anusha completed a course on “Schizophrenia” offered by the Wesleyan University through Coursera, with a passing grade of 87.50% (June - July 2022).
- Mrs. B Anusha participated in the online workshop on “NEP-1 (Integrated Higher Education System)” organized by UGC-HRDC Osmania University, Hyderabad, Telangana (June 28-30, 2022).
- Dr. P Sujith Kumar participated in the digital module of the one-month international workshop on “Drug Discovery and Development” (May 21-June 15, 2022).

## Chemistry

- Dr. Swayamsiddha Kar attended the 5-day online faculty development programme on “Innovative Teaching and Learning Pedagogy”, organised by the Research Foundation of India & RFI-CARE (May 27-31, 2023).
- Dr. Sripada Lakshminath attended the online symposium entitled “Current Research Topics in Pharmacy: Traditional Medicine Talks”, organised by the Journal of Research in Pharmacy, Marmara University Press, Turkey (May 26, 2023).
- Dr. J K Kiran Kumar participated in an online faculty development program on “MOOC’s and e-Content Development” organized by Guru Angad Dev Teaching Learning Centre, a Centre under PMMMNMTT, Ministry of Education, Govt. of India (May 25-31, 2023).



- Dr. Kumar Sai Smaran participated in the AICTE-recognized one-week online faculty development programme on “Characterization of Nanomaterials and Applications”, conducted by the Applied Science Department, National Institute of Technical Teachers Training and Research, Chandigarh (Ministry of Education, Government of India). (May 22-26, 2023).
- Dr. Kumar Sai Smaran and Dr. Rajni Bhandari attended an online faculty development program on “Recent Advancements and Activities in the Manufacturing of Composite Materials” (RAAMCA'23) organized by Centre for Material Science (CMS) Karpagam Academy of Higher Education, Coimbatore and Centre of Excellence in Corrosion and Surface Engineering (CECASE), National Institute of Technology, Tiruchirappalli (May 08-13, 2023).
- Dr. Swayamsiddha Kar attended the 3rd international conference on “New Horizon in Drug Discovery and Development Process” online, organised by the School of Medical Sciences in association with AICTE, Adamas University, Kolkata (February 23, 2023).
- Dr. Sripada Lakshminath participated in the short-term bioinformatics training on “Computer Aided Drug Design” organised by the Centre for Bioinformatics Training and Research, Lucknow, UP India (November 19-28, 2022).
- Dr. Swayamsiddha Kar attended a 2-day conference on “International Conference on Drug Discovery 2022” (ICDD'22) organised by BITS - Pilani in association with Schrodinger, Goa (November 10-11, 2022).
- Dr. V Prathyusha, Dr. Raji V Nair, and Dr. B Praphulla Chandra participated in an online faculty development program on “Computational Chemistry of Materials: Molecule, Solids, Nanoparticles, and Biological Activity” organized by the Centre for Advanced Computational Chemistry Studies, Delhi (October 19-25, 2022).
- Dr. Raji V Nair, Dr. Sripada Lakshminath, and Dr. K Naga Sai Visweswar participated in a 5-day online faculty development programme on “Insights on Emerging Research in Chemical Science (IERCS-2022)”, organized by the School of Sciences (Chemistry), National Institute of Technology Andhra Pradesh (October 10-14, 2022).
- Dr. V N Ravi Kishore participated in the online user meeting of the Center for Nanophase Materials Sciences (CNMS) at Oak Ridge National Laboratory (ORNL), USA (August 08-11, 2022).
- in Higher Education Institutions in India” organised by UGC HRDC North-Eastern Hill University, Shillong (March 15, 2023).
- Dr. P Lavanya attended a UGC-approved 6-day short-term professional development program on “Monitoring and Evaluation in Distance, Online and Blended Learning”, organised by IGNOU, (January 18-25, 2023).
- Mrs. B Sai Soujanya Kumari, Dr. P Lavanya, and Mrs. P Padmambika attended a 5-day national level webinar series on “UGC Guidelines on Transforming B.Ed. Colleges into Multidisciplinary Institutions”, organised by Principals Association of Colleges of Education (PACE) in collaboration with KPPM College of Teacher Education Kerala and Davangere University, Karnataka (December 27-31, 2022).

## Food and Nutritional Sciences

- Dr. A Sumana completed a 5-day national level online FDP on “Innovative Teaching and Learning Pedagogy” jointly organised by Research Foundation of India & RFI-CARE (May 27-31, 2023).
- Prof. B Andallu attended a national-level online guest lecture on “Nanoscience and Nanotechnology for Better Living” jointly organised by the Department of Physics, Koneru Lakshmaiah Education Foundation (KLEF), Guntur & Materials Research Society of India (MRSI) (May 27, 2023).
- Dr. A Padmaja completed a 7-day national level online FDP on “Outcome Based Education (OBE)” organised by Nirmala College, Muvattupuzha in association with The Kerala State Higher Education Council (May 10-17, 2023).
- Dr. M Meera, Dr. A Sumana, and Dr. Jhinuk Gupta attended the “International Conference on Public Health & Dietary Lifestyle” (virtual mode) organised by the Universal Society of Food and Nutrition (USFN) (May 10-11, 2023).
- Dr. M Meera attended a webinar on “Women and IP: Accelerating Innovation and Creativity”, on the occasion of World IP Day 2023, Turnip Innovations, Kolkata (April 26, 2023).
- Prof. N Srividya and Prof. B Andallu attended an international webinar on “Using Genetic Data to Strengthen Causal Inference in Nutritional Epidemiological Research” organised by the Department of Food Science and Nutrition, Nutrition Association and Nutrition Society of India (Coimbatore Chapter) & University of Reading, United Kingdom, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore (April 01, 2023).
- Dr. M Meera, Dr. M Srijaya, Prof. N Srividya, Prof. B Andallu, Dr. A Sumana, Dr. A Padmaja, Dr. Tapasya Anand, and Dr. Jhinuk Gupta attended the “National Conference on Millets -The Super Food” organised by the Department of Food

## Education

- Mrs. B Sai Soujanya Kumari attended a “Short Term Course on Gender Sensitization”, organised by UGC-HRDC, Ranchi University (March 15-21, 2023).
- Mrs. P Padmambika attended a 1-day national level webinar on NEP 2020, on the theme “Need of Equity and Inclusion



and Nutritional Sciences, Sri Sathya Sai Institute of Higher Learning (March 24-25, 2023).

- Prof. N Srividya attended the "National Traditional Paddy Conference" organised by the Traditional Paddy Conference Council in association with Central University of Tamil Nadu (CUTN) and Tamil Nadu Agricultural University (TNAU), Thiruvavur (March 18-19, 2023).
- Dr. Jhinuk Gupta attended a Faculty Orientation Programme organised by Sri Sathya Sai Institute of Higher Learning, Anantapur Campus (March 13-17, 2023).
- Dr. A Padmaja participated in the online international seminar "Food TecKer"Z-2023" on Food Safety & Quality Management Systems organised by the Department of Food Processing Technology & Food Processing Centre at PSG College of Arts and Science, Coimbatore (March 09, 2023).
- Prof. B Andallu participated in 'CardioQuiz', Cardio CON '23, Medflix conducted by Dr. Kamal Sharma (February 14, 2023).
- Prof. B Andallu attended a national-level guest lecture on "Nanoscience and Nanotechnology" jointly organised by the Department of Physics, Koneru Lakshmaiah Education Foundation (KLEF), Guntur & Materials Research Society of India (MRSI) (Feb 10, 2023).
- Dr. Jhinuk Gupta completed a 7-day national level online FDP on "Outcome Based Education (OBE)" organised by SES College Sreekandapuram in association with The Kerala State Higher Education Council (January 18-23, 2023).
- Prof. B Andallu attended a webinar on "Obesity in India and approaches to management" National Obesity Conclave 2022 organised in association with the Association of Metabolic, Obesity Physicians and Clinical Endocrinologists (AMOCE), Dr. Suresh Chakraborty Memorial Foundation (September 24, 2022).
- Prof. B Andallu attended a webinar on "Adapting mRNA to Therapeutics" organised by Spinco Biotech (September 23, 2022).
- Prof. B Andallu attended a webinar on "Know Your Compound and Quality Through Tandem MS" organised by Spinco Biotech (September 21, 2022).
- Prof. B Andallu attended a webinar on "Advance Your Titration Process" organised by Merck, sponsored by Millipore, Sigma, Mettler Toledo (September 20, 2022).
- Prof. B Andallu attended the "Hormone India Conference" Powered by Rx Events (September 16-18, 2022).
- Prof. B Andallu, Prof. N Srividya, and Dr. Meera M attended a webinar on "Nutrition Digitalization-Introducing NSR-NUTRI CAL" conducted by Nutrition Support Resource (NSR) (September 13, 2022).
- Prof. B Andallu attended the annual conference of DiaCare "DIA care CON2022" powered by RX Events (September 09, 2022).
- Prof. B Andallu attended talks on "6th International Diabetes Experts Consortium: 2022" organised by Symbiosis International University, Pune (August 05-07, 2022).
- Prof. B Andallu attended a webinar on "Monkeypox Outbreak: What we need to know?" organised in association with ISA, Thrissur city branch (August 02, 2022).
- Prof. B Andallu attended a webinar on "Pesticide Analysis with Food using Mass Spectrometer" organised by Spinco Biotech with IARI (July 29, 2022).
- Prof. B Andallu attended a webinar on "Hepatitis: Act now" organised by USFN (July 28, 2022).
- Prof. B Andallu attended a webinar Series "MS Tour - A Master Class on Basics of Liquid Chromatography Mass Spectrometry" organised by Spinco Biotech (July 21, 2022).
- Prof. B Andallu attended a talk on "Next-Generation Labs" powered by Merck Life Science, South AOAC virtual conclaves organised by Bluetech Media (July 20, 2022).
- Prof. B Andallu attended a webinar on "Understanding Dementia" in association with IRIA Kerala - Raksha, Shakthi, and Social Wings (July 14, 2022).
- Prof. N Srividya completed a 5-day online national workshop on "Awareness of Food Safety Act 2006 its Regulations and FSSAI Initiatives" organised by the Food Regulation and Compliance Centre (FRCC), New Delhi (July 13-17, 2022).
- Prof. B Andallu attended a webinar on "Primary Care Rheumatology", BMJ India Webinar Series (June 30, 2022).
- Prof. N Srividya attended (online) "Nutrition 2022", an annual international conference organised by the American Society for Nutrition (June 14-16, 2022).

## Humanities and Social Sciences

### Economics

- Dr. G Raghavender Raju has successfully participated and completed the FDP entitled "Effective Engagement Strategies: Classroom, Research and Consulting" (May 07-11, 2023).
- All the faculty members of the Humanities and Social Sciences Department attended a session on "Financial



Awareness” by CA. Venkata Reddy, Director & COO - FNA Skill Tech (May 2023).

- Sri Dinesh Kumar Choudhury has completed the UGC-approved refresher programme “Design, Development and Delivery of MOOCs” with an A+ Grade (February 06-17, 2023).

## Languages & Literature

### English

- Ms. M Sai Archana and Dr. Sowmya Srinivasan attended a 7-day FDP on “Academic Writing for Research” conducted by TLC, Ramanujan College, University of Delhi (May 15-21, 2023).
- Dr. R Vijayalekshmi participated in a “Faculty Enrichment Summer Camp” conducted and hosted by the School of Distance Education, University of Kerala, in association with Littcrit and Vallaths Total English Solutions (May 14-20, 2023).
- Dr. Maitali Khanna attended a 7-day national-level online FDP on “Outcome Based Learning” conducted by Nirmala College in association with The Kerala State Higher Education Council (May 10-17, 2023).
- Dr. Sowmya Srinivasan attended an “International Seminar on Pain Studies” conducted by VIT, Chennai (May 09, 2023).
- Dr. Aruna Kumar Behera attended a webinar titled “Developing Scientific Publications Ethically in the Era of Generative AI (ChatGPT)” organised by Turacoz Healthcare Solutions, Gurugram, Haryana (April 20, 2023).
- All the faculty members of the Department of English, SSSIHL, attended the “Lit-Treat Edition 3: Mythological Narratives in Indian English Literature” conducted by the Department of English, SSSIHL (April 20, 2023).
- Dr. R Vijayalekshmi attended the Centenary Memorial Special Lecture (online) by Prof. Slavoj Zizek on “Unholy Alliances Today” conducted by the Department of English, St. Berchmans College, Changanacherry, Kerala. (March 17, 2023).
- Dr. R Vijayalekshmi and Ms. R M Aarthi attended the Centenary Memorial Special Lecture (online) on the topic “The Stubborn Resilience of Caste in India” by Prof. Arjun Appadurai organised by the Department of English, St. Berchmans College, Changanacherry, Kerala (March 10, 2023).
- Dr. Aruna Kumar Behera participated in a 7-day FDP on “Outcome Based Education” organised by the Kerala State Higher Education Council, St. James College on (March 08-15, 2023).
- Ms. M Sai Archana attended an FDP titled “New Frontiers in Humanities: Contemporary Approaches in Literature, Linguistics, and Language Teaching” organised by Presidency University, Bengaluru (March 06-11, 2023).
- Ms. Lakshmi Menon participated in a 21-day national-level FDP titled “Innovative Teaching Strategies and Tools in the Digital Age” by Scrollwell in collaboration with the Ministry of Education’s Institution Innovation Council (IIC GGI Ludhiana) (February 15 - March 07, 2023).
- Ms. Lakshmi Menon attended a webinar on the topic “Analysis of a Poem” by Dr. Subarna Bhattacharya organised by ELTAI-Rajkot (January 15, 2023).
- Ms. M Sai Archana attended a webinar on the topic “After 70 Years of Generative Grammar: A Personal Perspective” by Prof. Noam Chomsky organised by TESOL Tampico Talks (December 16, 2022).
- Dr. R Vijayalekshmi attended the SB College Centenary Special Lecture on the topic “After Rilke: Renderings Parodies, Rejoinders, Animadversions” by Prof. Christopher Norris organised by the Department of English, St. Berchmans College, Changanacherry in collaboration with the University of Wales Trinity Saint David, Lampeter, UK (November 09, 2022).
- Dr. R Vijayalekshmi participated in a 5-day FDP on “Gendered Contours of Feminism” by the Department of Languages, Presidency University, Bangalore (September 26-30 2022).
- Dr. Maitali Khanna attended a 3-day international virtual workshop on “Research Methodology and Manuscript Writing” conducted by Lavender Literary Club, India, Cape Comorin Trust, India, Malaysian Industrial Relations & Human Resource Association (MIRHA), Malaysia (September 09-11, 2022).
- Ms. M Sai Archana participated in a refresher course in “English Language Studies” by the University of Hyderabad (August 22 - September 03, 2022).
- Dr. R Vijayalekshmi attended the Dr. Kamala Narayanan Memorial Lecture on the topic “Can We Have Some Silence, Please?” organised by the Women’s Education Society’s Lady Amritbai Daga College for Women of Arts, Commerce and Science and Smt. Ratni Devi Purohit College of Home Science and Home Science Technology Nagpur (August 17, 2022).
- Dr. R Vijayalekshmi completed a one-week online training programme on “Text and Context in Translation” by the Department of Humanities and Social Sciences, NIT Trichy in collaboration with the National Translation Mission and Tamil Nadu Text Book and Educational Services Corporation (July 18 - July 23, 2022).



- Ms. Lakshmi Menon participated in a 1-day FDP titled "Making Classes and Lessons More Interactive" by Scrollwell (July 15, 2022).
- Dr. R Vijayalekshmi attended the SB College Centenary special talk on the topic "The Past and Present of Indian Secularism" by Prof. Akeel Bilgrami organised by the Research and Postgraduate Department of English, St. Berchmans College, Changanacherry, Kerala (July 05, 2022).
- Dr. (Mrs.) C Jayashree completed the self-learning online course on "Understanding Open Educational Resources (OER)", by the Commonwealth of Learning (February 12, 2023).
- Dr. (Mrs.) C Jayashree participated in the UGC-approved refresher programme: "Design, Development, and Delivery of MOOCs", organised by Staff Training and Research Institute of Distance Education (STRIDE) - IGNOU (February 06-17, 2023).

## Management and Commerce

- Dr. G Padmavathy participated in a 7-day international virtual FDP on the "Impact of AI in Higher Education and Research: Future World, organised by IQAC, Mendipathar College, Mendipathur North Garo Hills, Meghalaya, in collaboration with Cape Comorin Trust, Tamil Nadu (May 25-31, 2023).
- Dr. Swetha Thiruchanuru has completed "Design Thinking for Innovation" an online five-week course authorised by the University of Virginia and offered through Coursera (May 11, 2023).
- Dr. K Sayee Manohar, Sri. L K Prasad Rayaprolu, Sri. M S Sai Vinod, Sri. S Sai Manohar, Dr. U Suma, Dr. Padmavathy, Dr. Jayaprada, Dr. Swetha Thiruchanuru, Mrs. Akanksha Aggarwal, Dr. (Mrs.) C. Jayashree, Ms. Priyanka, Mrs. Priyadharshini, and Ms. Mithula attended the training program on "Innovation & Entrepreneurship as Inseparable Twins", offered by the Institute of Inspiring Innovation as part of the faculty development program for Sri Sathya Sai Institute of Higher Learning (May 10, 2023).
- Dr. N Sivakumar, Dr. K Sayee Manohar, Dr. G S S Srirangarajan, Sri Rajeev Rajan, Sri. S Sai Manohar, Sri M S Sai Vinod, Sri L K Prasad Rayaprolu, Dr. B Chandrasekhar, Dr. Suma, Dr. Padmavathy, Dr. Jayaprada, Dr. Swetha Thiruchanuru, Dr. (Mrs.) C. Jayashree, Ms. Priyanka, Mrs. Priyadharshini, and Ms. Mithula attended an online Faculty Development Program on "Effective Engagement Strategies: Classroom, Research and Consulting" conducted by the Department of Management and Commerce, Sri Sathya Sai Institute of Higher Learning (May 07-11, 2023).
- Dr. (Mrs.) C Jayashree and Ms. C Priyanka attended online EBSCO training on "EBSCO Business Course", (April 08, 2023).
- Dr. (Mrs.) C Jayashree and Ms. C Priyanka participated in the workshop on "Fraud Analytics & Forensic Accounting" organised by the Department of Accounting, GITAM School of Business, GITAM University, Hyderabad (March 31, 2023).
- Dr. Swetha Thiruchanuru completed a course on the "Fundamentals of Digital Marketing" (March 10, 2023).
- Dr. Swetha Thiruchanuru has completed a 10-day course on "Patent Analyst" organized by Turnip Innovations (March 2023).
- Dr. (Mrs.) C Jayashree participated in the one-week online short-term FDP on "Ethics in Academic Research Writing", organised by the Academy of Maritime Education and Training- HRDC & AMET Business School, (January 30 - February 04, 2023).
- Dr. U Suma participated in a 5-day faculty development program on 'Recent Trends in Qualitative Research' organised by the School of Social Sciences and Languages (SSL), Vellore Institute of Technology, Chennai (January 30 - February 03, 2023).
- Dr. G Padmavathy participated in a 3-day international virtual workshop on "Research Writing, Editing and Publishing" jointly organized by Lavender Literary Club, India, Cape Comorin Trust, India, Malaysian Industrial Relations & Human Resource Association (MIRHA), Malaysia (January 18-20, 2023).
- Sri M S Sai Vinod earned Basic Proficiency in KNIME Analytics Platform, "Data Science with KNIME Software", offered by KNIME AG, Zurich, Switzerland (January 2023).
- Sri M S Sai Vinod attended the course "Introduction to Sustainable Finance", offered by the United Nations Climate Change Learning Partnership: e-learning (UN CC: Learn), (December 2022).
- Sri Vivek Kapoor conducted a workshop on "Agripreneurship" at the Hau Hisar University (November 28-29, 2022).
- Dr. (Mrs.) C Jayashree participated in a workshop on "Data Analysis Using MS Excel" organised by PIE Academy (November 12, 2022).
- Dr. Swetha Thiruchanuru participated in a 2-day international conclave on "IPRs in Building Self-sustainable Higher Education Institutes - The Role of Incubators" (September 15-16, 2022).
- Ms. C Priyanka completed a MOOC on Digital Assessment and Evaluation Methodologies, designed by ICAR-National Academy of Agricultural Research Management, (September 2022).
- Ms. C Priyanka attended a 3-day international virtual workshop on "Research Methodology & Manuscript Writing, organized by Lavender Literary Club, India, Cape Comorin Trust, India, Malaysian Industrial Relations & Human Resource Association (MIRHA), Malaysia (September 09-11, 2022).



## Mathematics and Computer Science

- Mrs. G Santoshi Kumari attended a 7-day national-level online faculty development program on "Outcome Based Education (OBE)", organised by the Internal Quality Assurance Cell (IQAC) of Nirmala College, Muvattupuzha in association with The Kerala State Higher Education Council (May 10-17, 2023).
- Dr. B Venkatramana attended an FDP Training on "AI & Machine Learning & its Applications with Python" organised by EDUXLABS (March 06-24, 2023).
- Sri Satya Sai Mudigonda and Dr. Rohan Yashraj Gupta presented on "Crop Revenue Protection" at the 22nd Global Conference of Actuaries (GCA), (March 05, 2023).
- Mrs. G Santoshi Kumari attended the online lecture series on "Nonlinear Dynamics and Applications", organised by the Department of Mathematics, Indian Institute of Technology, Indore, India (February 13-16, 2023).
- Ms. R Lakshmi Priya and Sri P Sunil Kumar completed a 72-hour UGC-approved refresher program on "Design, Development, and Delivery of MOOCs" conducted by STRIDE, IGNOU, Delhi (February 06-17, 2023).
- Dr. K Sree Ranga Vani attended a workshop on "Nonlinear Phenomena in Mathematical Biology" organised by ABV - Indian Institute of Information Technology and Management, Gwalior (December 19-23, 2022).
- Dr. K Sree Ranga Vani attended the short-term training program on "Computational Techniques for Research using SCILAB and MATLAB" organised by CoE-Modeling of Dynamical Systems, Department of Mathematics, CMR Institute of Technology, Bengaluru (December 14-20, 2022).
- Dr. Sampath Lonka attended the "AI&ML Winter School" organised by Infosys, Mysore (December 12-23, 2022).
- Dr. Darshan Gera presented a paper "Masked Student Dataset of Expressions", at The Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP), IIT Gandhinagar (December 08-10, 2022).
- Dr. N B Gayathri and Dr. K Sree Ranga Vani attended a 7-day national-level online faculty development program on "Outcome Based Education (OBE) in Computer Science Discipline" organised by Marian College, Kuttikkanam (Autonomous) in association with The Kerala State Higher Education Council (KSHEC), (December 08 -15, 2022).
- Dr. Y Lakshmi Naidu attended 30 hours of an online course on "Machine Learning for Data Science using Python" organised by the Department of Computer Science, NIT Warangal (November 14-29, 2022).
- Dr. P Sunil Kumar and Sri V Bhaskaran participated as Mentors in the IIIT Sri City - EMIDS Healthcare Hackathon-2022, (November 11-13, 2022).

- Dr. S Balasubramanian attended an NPTEL-AICTE FDP on "Accreditation and Outcome Based Learning", (August 13 - October 30, 2022).
- Dr. K Vengata Krishnan attended the online short-term course on "Artificial Intelligence Machine Learning and Deep Learning" conducted by the National Institute of Technology, Warangal (August 22 - 26, 2022).
- Dr. B V K Bharadwaj attended a 4-week NPTEL-AICTE FDP on "Python for Data Science" organised by IIT Madras (August 2022).

## Physics

- Dr. P Lavanya Rathi, Dr. (Mrs.) Vedavathi Aluri and Dr. V Sai Muthukumar attended a faculty development program on "Characterization of Nano-materials and Applications" organized by the National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh (May 22-26, 2023).
- Dr. Swarup Kundu participated in a training program "Innovation & Entrepreneurship as Inseparable Twins" as part of the faculty development program for Sri Sathya Sai Institute of Higher Learning (May 10, 2023).
- Dr. R Sumukh Nandan attended a faculty development program on "Deep Learning and Computer Vision with Python" organised by Eduxlabs in association with Mechanica IIT Madras, (May 08-23, 2023).
- Dr. Swarup Kundu completed "CAD Modelling of Battery Pack using CATIA V5" as a course offered by ISIEINDIA as a part of industry industry-oriented skilled-based education program (February 15, 2023).
- Dr. K Vijay Sai attended a UGC-approved and HRDC equivalent Short-Term Professional Development (online) Program on "Monitoring and Evaluation in Distance, Online and Blended Learning" organised by STRIDE - IGNOU (January 18-25, 2023).
- Dr. Swarup Kundu attended a faculty development program on "Introduction to Internet of Things" (12 weeks course) organized by IIT Kharagpur on the Swayam-NPTEL platform (January 23 - April 14, 2023).
- Dr. Muralikrishna Molli attended the Professional Development Programme on "Advanced Pedagogy" organised by the National Institute of Technical Teachers Training and Research (NITTTR), Chennai (November 14 -18, 2022).
- Dr. Murali Ravi completed all three levels of CCNA Examinations and is now qualified as a Certified CCNA instructor for 30 odd CCNA programs (July 2022).
- Dr. Dharmaraj Ramswamy attended an international workshop on "Drug Discovery and Development" Decoding Life (May 21-Jun 15, 2022).



# Research Scholars' Participation

## Biosciences

- Sri Sanwid Pradhan attended a hands-on training on "FACS System Handling During Modern Trends of Teaching and Research in Biosciences" (May 26, 2023).
- Sri Utkarsh Bele attended a conference virtually on "Modern Trends of Teaching and Research in Biosciences" (May 25-31, 2023).
- Sri Sanwid Pradhan attended a virtual conference on "Genomics of Brain Disorders 2023" (May 17-19, 2023).
- Sri Sudam Bhoi attended a webinar on "Microbial Basis of Health and Disease" (May 04, 2023).
- Sri M Bhargav Sai attended the workshop (online) on "Dollar Education: Data Science and Machine Learning in Biology" (March 20-31, 2023).
- Sri Sudam Bhoi attended a webinar (online) "Antiviral and Anticancer Activities of Biological Compounds from Natural Resources" (February 16, 2023).
- Sri Piyush Kumar attended a workshop on "Effective Scientific Writing Workshop: Techniques and Strategies for Communicating Research Finding" (February 01-3, 2023).
- Sri Sahashransu Satyajeet Mahapatra presented a poster at the 13th NABS-National Conference on "Current Perspectives for Sustainable Development in Life Sciences, Environment, and Agriculture" (January 23-25, 2023).
- Sri V M Datta Darshan and Sri R Sai Swaroop presented a poster at the 45th All India Cell Biology Conference & International Symposium on Biology of Development and Disease (January 20-22, 2023).
- Sri Sudam Bhoi delivered an oral presentation on the topic "An Integrative Approach Towards Health Protection and Health Promotion" at the 43rd Annual Conference of Indian Association of Biomedical Scientists & International Conference (December 19-21, 2022).
- Sri R Sai Swaroop attended a conference (online) on "Challenges and Opportunities in the Management of Neurological Disorders" (December 07, 2022).
- Sri M Bhargav Sai attended the workshop (online) on "Dollar Education: NGS - Epigenomics Analysis" (September 01-10, 2022).
- Ms. Amitananda Dash participated and presented her work at the "International Conference on Drug Discovery" held at BITS-Pilani K K Birla Goa Campus, Goa (November 10-11, 2022).
- Sri Cheerala Vijay Sai Krishna participated in the "International Conference on Drug Discovery" (ICDD 2022) held at BITS-Pilani K K Birla Goa Campus, Goa (November 10-11, 2022).
- Sri U V Gopi participated and presented his work at the "Conference on Advances in Catalysis for Energy and Environment" (CACEE -2022) organised by Tata Institute of Fundamental Research (TIFR), Mumbai, INDIA (October 31- November 04, 2022).
- Ms. K V Seetarama Mani Chandrika participated in an online faculty development program on "Computational Chemistry of Materials: Molecule, Solids, Nanoparticles, and Biological Activity" organized by the Centre for Advanced Computational Chemistry Studies, Delhi (October 19- 25, 2022).
- Ms. V Vishnu Priya, participated in the "Skill Development Program- in Synthetic Organic Chemistry" organised by CSIR-National Chemical Laboratory, Pune (August 10-October 10, 2022).
- Sri Sai Athmeeya G. Shet participated and presented his work titled "Designing Polymer Nanocomposites for Blood Storage Applications - A Molecular Dynamics Simulations Study" at The Center for Nanophase Materials Sciences (CNMS) online user meeting at Oak Ridge National Laboratory (ORNL), USA (August 08-11, 2022).

## Food and Nutritional Sciences

- Ms. Amrita Shaw attended a 7-day training program on "Super Resolution Microscopy" organised under the DST-STUTI Programme at IISER Mohali (May 22-28, 2023).
- Ms. Beesetti Lohita and Ms. Mounika Pandey attended a one-day online training programme on "Ultrasound Techniques in Food Processing" organised by the Centre of Excellence in Non-Thermal Processing, National Institute of Food Technology, Entrepreneurship and Management-Thanjavur (NIFTEM-T) (May 19, 2023).
- Ms. Shrijana Rasaily and Ms. Sai Sruthi Shree participated in the "1st National Traditional Paddy Conference, 2023" organised by the Traditional Paddy Conference Council in association with Central University of Tamil Nadu (CUTN) and Tamil Nadu Agricultural University (TNAU), Thiruvavur (May 18-19, 2023).
- Ms. Beesetti Lohita attended an editorial webinar on "Plant-based Dairy: From Oatmilk to Chickpea Ice-cream" organised by Food Navigator, USA (May 17, 2023).

## Chemistry

- Ms. K V Seetarama Mani Chandrika participated and presented her work in the "International Winter School on Frontiers in Materials Science" organized by the International Centre for Materials Science, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore (December 05-09, 2022).



- Ms. Mounika Pandey participated in the “National Workshop on Essentials of Manuscript Writing - Topic: OVID for Systematic Review and Meta-analysis” organised by the Global Center for Evidence Synthesis (GCES) on (May 11, 2023).
- Ms. Sai Sruthi Shree participated in an international food processing webinar on “How to Improve the Texture and Nutrition of Plant-based Protein Products” organised by Ingredion (May 11, 2023).
- Ms. Shrijana Rasaily, Ms. Mounika Pandey, Ms. Sai Sruthi Shree, and Ms. Sparsh Sumnirom Subba attended a national webinar on “Data Analysis Made Easy with Jamovi Software - Chi-Square Test for Association” organised by the Department of Family and Community Medicine, AIIMS, Patna (May 09, 2023).
- Ms. Sai Sruthi Shree participated in National Intellectual Property Awareness Mission (NIPAM) training “Women and IP - accelerating innovation and creativity” organised by the Ministry of Commerce and Industry, Government of India (April 26, 2023).
- Ms. Sparsh Sumnirom Subba attended the Uppsala Health Summit Conference virtually, organised by Uppsala University, Sweden (April 20, 2023).
- Ms. Sai Sruthi Shree and Miss Mounika Pandey participated in an international webinar on “Using Genetic Data to Strengthen Causal Inference in Nutritional Epidemiological Research” organised by the Avinashilingam Institute for Home Science and Higher Education for Women, and the University of Reading, U.K (April 01, 2023).
- Ms. Shrijana Rasaily attended a symposium on “Biology of Infectious Organisms and Next-gen Therapeutics” organised by the Department of Biosciences, Sri Sathya Sai Institute of Higher Learning (March 31, 2023).
- Ms. S Sai Dharshini, Ms. Sparsh Sumnirom Subba, Ms. Alisha Pradhan, Ms. Sai Sruthi Shree, Ms. Shrijana Rasaily, Ms. Amrita Shaw and Ms. Mounika Pandey participated in the “National Conference on Millets-The Superfood: A Sustainable Path Towards Food and Nutritional Security” organised by the Department of Food and Nutritional Sciences, Sri Sathya Sai Institute of Higher Learning, Anantapur Campus (March 24-25, 2023).
- Ms. S Sai Dharshini participated in the “7th International Diabetes Summit 2023”, organised by Chellaram Foundation Diabetes Research, Pune (March 10-12, 2023).
- Ms. Mounika Pandey participated in the “PFMS” workshop organized at the Prasanthi Nilayam Campus, (March 09-10, 2023)
- Ms. Beesetti Lohita and Miss Mounika Pandey attended a three-day virtual national workshop on “Systematic Review and Meta-analysis” conducted by the Department of Community Medicine & School of Public Health, PGIMER, Chandigarh in collaboration with the Association of Health Systems Analysis and Strengthening (AHSAS), Chandigarh, Indian Council of Social Science Research (ICSSR), NWRC, Panjab University, Chandigarh, and Department of Telemedicine, PGIMER, Chandigarh (February 24-26, 2023).
- Ms. Sparsh Sumnirom Subba attended (virtual) a two-day webinar on “Fermentation: Interplay of Microbes, Immunity, and Nutrition” conducted by the Department of Rural Development & Agricultural Production (RDAP) and the Biotechnology Industry Research Assistance Council (BIRAC), Government of India (February 03-04, 2023).
- Ms. Beesetti Lohita and Miss Amrita Shaw completed a 12-week course on “Research Methodology in Natural Sciences” organised by IIT Madras on the NPTEL platform (January 23 - April 19, 2023).
- Ms. Amrita Shaw attended a webinar on “Food Safety and Hygiene: Farm to Fork” organised by the Universal Society of Food and Nutrition (USFN) (January 20, 2023).
- Ms. Beesetti Lohita attended a one-day online training programme on “Value Addition of Dairy Products” organised by the Indian Institute of Food Processing Technology, National Institute of Food Technology, Entrepreneurship and Management - Thanjavur (NIFTEM-T) (January 10, 2023).
- Ms. Amrita Shaw completed 8 days of hands-on training on different analytical instruments (HPLC, GC/MS, SEM, TEM, LC/MS & RAMAN) at CRIF, Sri Sathya Sai Institute of Higher Learning (November 28- December 05, 2022).
- Ms. Sai Sruthi Shree, Ms. Shrijana Rasaily, Ms. Mounika Pandey, Ms. Sparsh Sumnirom Subba, Ms. Amrita Shaw, and Ms. Beesetti Lohita participated in the event World Diabetes Day 2022 on the theme “Education to Protect Tomorrow” organised by the Department of Food and Nutritional Sciences, Sri Sathya Sai Institute of Higher Learning, Anantapur Campus (November 14-18, 2022).
- Ms. Beesetti Lohita completed a two-week online program on Research Training conducted by the MSME-Technology Development Centre, Process and Product Development Centre, Agra (November 07-18, 2022).
- Ms. Sai Dharshini S participated in a “Pan-India E-Quiz” organised by the Nutrition Society of India, Mumbai Chapter in collaboration with Lifeness Science Institute to celebrate World Food Day 2022 (October 17, 2022).
- Ms. Beesetti Lohita attended an International Conference on Indian Dairying-Sustainability and Nutritional Security organised by the Department of Food Science and Nutrition, Nutrition Society of India, Coimbatore Chapter & Indian Dairy Association, Tamil Nadu Chapter, Chennai (October 14, 2022).



- Ms. Sparsh Sumnirom Subba attended the event Nutrition 2022 on “Methods in Nutrition & Gut Microbiome Research”, conducted by the American Society for Nutrition and the Institute for the Advancement of Food and Nutrition Sciences, United States, virtually (October 13, 2022).
- Ms. Sparsh Sumnirom Subba and Ms. Mounika Pandey attended the 98th Global Workshop on “Global Trends in Nutrition and Health Through the Life Course” virtually, conducted by Nestle Nutrition Institute, Switzerland, in collaboration with the International Academy of Nutrition Educators and NNEdPro Global Institute for Food, Nutrition, and Health (October 11, 14 & 17, 2022).
- Ms. S Sai Dharshini, Ms. Sparsh Sumnirom Subba, Ms. Beesetti Lohita, and Ms. Alisha Pradhan attended a two-day virtual training on “Statistical Methods in Food Processing” conducted by the Association of Food Scientists & Technologists (AFSTI), India (October 10 & 11, 2022).
- Ms. Mounika Pandey attended the “360 Degree Perspective on Research” webinar organised by Clarivate on (September 14, 2022).
- Ms. Alisha Pradhan, Ms. S Sai Dharshini, Ms. Mounika Pandey, Ms. Sai Sruthi Shree, and Ms. Shrijana Rasaily attended a webinar on Nutrition Digitalisation-Introduction NSR-NutriCal organised by Nutrition Support Resource (September 13, 2022).
- Ms. S Sai Dharshini participated in a 7-day Product Management Course conducted by Turnip Innovations, Kolkata (September 07-13, 2022).
- Ms. Sparsh Sumnirom Subba, Ms. Sai Dharshini S, Ms. Alisha Pradhan, Ms. Sai Sruthi Shree, Ms. Shrijana Rasaily and Ms. Mounika Pandey participated in the event National Nutrition Week 2022 on the theme Kuposhan Mukh Bharat-Malnutrition free India organised by the Department of Food and Nutritional Sciences, Sri Sathya Sai Institute of Higher Learning, Anantapur Campus (September 01-07, 2022).
- Ms. Mounika Pandey attended the “Tune your MS and Analyze your Compound” webinar organised by Spinco Biotech on (August 18, 2022).
- Ms. Mounika Pandey attended the “Liquid Chromatography and Mass Spectroscopy” webinar organized by Spinco Biotech on (July 21, 2022).
- Ms. Shrijana Rasaily attended an online webinar on ‘MS-Tour’ organised by Spinco Biotech Pvt Ltd. (July 21, 2022).
- Ms. Sparsh Sumnirom Subba participated in a hands-on summer training program on “Advanced Technical Modules (Microbial techniques for isolation of probiotics and incorporation into food products)” conducted by Rapture Biotech International, Velachery, Chennai (June 09-23, 2022).

## Languages & Literature

### English

- Ms. Pratiksha Pradhan participated and presented a paper on “Ecocultural Keystones and Place-centrism in Selected Lepcha Folktales” at the IACLALS Annual International Conference (April 27, 2023).
- Ms. Prashanti Prabha, Ms. C Priyamvada, Ms. S Sreenidhi, Ms. Megha Santosh, Ms. Lekshmi Chandra, Ms. Pratiksha Pradhan, and Ms. Vaishnavi participated in the LitTreat Edition 3 on the theme “Mythological Narratives in Literature” conducted by SSSIHL, Anantapur (April 20, 2023).
- Ms. C Priyamvada presented a paper titled “Reading Toru Dutt’s “Lakshman” and “Sita” through the Lens of Rasa Theory”. Lit-Treat Edition III, Mythological Narratives in Indian English Literature, conducted by the Department of Languages and Literature - English, Sri Sathya Sai Institute of Higher Learning, Puttaparthi (April 20, 2023).
- Ms. C Priyamvada attended a workshop on “Theory of Dhvani: Putting to Work” conducted by Mumbadevi Adarsh Sanskrit Mahavidyalaya, Bharatiya Vidya Bhavan, Mumbai (March 25-29, 2023).
- Ms. Pratiksha Pradhan attended the Centenary Memorial Special Lecture (online) by Prof. Slavoj Zizek titled “Unholy Alliances Today” organised by the Department of English, St Berchmans College, Changanacherry, Kerala (March 17, 2023).
- Ms. Megha Santosh and Ms. Lekshmi Chandra attended a one-day international seminar on “Intergenerational Perspectives on Memory and Trauma in Crisis Narratives” organised by St. Mary’s College, Thoothukudi, Tamil Nadu (March 13, 2023).
- Ms. Pratiksha Pradhan attended the Centenary Memorial Special Lecture (online) by Prof. Arjun Appadurai titled “The Stubborn Resilience of Caste in India” organised by the Department of English, St. Berchmans College, Changanacherry, Kerala (March 10, 2023).
- Ms. Lekshmi Chandra participated and presented a paper on “Palestinian Partition Memory in Barghouti’s ‘I Was Born There, I Was Born Here’” at the ‘Literary and Language Studies in New Millennium’, Loyola College, Chennai (March 09-10, 2023).
- Ms. Pratiksha Pradhan completed the course “Climate Change and Indigenous People and Local Communities” with 82% by Universitat Autònoma de Barcelona (Coursera) (January 29, 2023).
- Ms. Pratiksha Pradhan completed the course “Asian Environmental Humanities: Landscapes in Transition” with 95.95% by the University of Zurich (Coursera) (January 28, 2023).



- Ms. Pratiksha Pradhan attended a 5-day online FDP on “Recent Trends in Qualitative Research” organised by VIT, Chennai (January 30 - February 03, 2023).
- Ms. Lekshmi Chandra and Ms. Megha Santosh participated in an international virtual conference titled “Narrativising Contemporary Conflicts and Refugee Experiences” organised by Jyoti Nivas College Autonomous, Bengaluru in collaboration with Mar Ivanios College Autonomous, Thiruvananthapuram (January 30-February 01 2023).
- Ms. C Priyamvada attended a 3-day workshop on “The Uses of Indian Aesthetics: Conversations and Contestations with Western Theory” conducted by The Centre for Indian Knowledge Systems, IIT Madras (December 17-19, 2022).
- Ms. Lekshmi Chandra attended a webinar titled “Edward Said: Musical Thinker, Cultural Critic” organised by ELTAI (November 27, 2022).
- Ms. Pratiksha Pradhan attended the SB College Centenary Special Lecture on the topic “After Rilke: Renderings Parodies, Rejoinders, Animadversions” by Prof. Christopher Norris organised by the Department of English, St. Berchmans College, Changanacherry in collaboration with the University of Wales Trinity Saint David, Lampeter, UK (November 09, 2022).
- Ms. Pratiksha Pradhan attended a webinar titled “Understanding Open Access Publishing” organised by Taylor and Francis Group (November 04, 2022).
- Ms. Pratiksha Pradhan attended a webinar titled “Digital Storytelling and Extended Reality” organised by the Department of Computational Science and Humanities, IIT Kottayam (September 21, 2022).
- Ms. C Priyamvada participated and presented a paper titled “Studying Suggestiveness Through Śabda Vyāparās in Tennyson’s “Crossing the Bar”” at the 3rd Mega International Conference on “Continuity, Consistency and Innovation in Applied Sciences and Humanities” (ICCIASH-2022) organised by St. Martin’s Engineering College, Secunderabad (September 16-17, 2022).
- Ms. Ponapalli Prasanti Prabha participated and presented a paper titled “Meandering through the Web of Illusion: An Indian Reading of Bruno’s Dream” at the 3rd Mega International Conference on “Continuity, Consistency, and Innovation in Applied Sciences and Humanities” (ICCIASH-2022) organised by St. Martin’s Engineering College, Secunderabad (September 16-17, 2022).
- Ms. Sreenidhi S participated and presented a paper titled “Text World Analysis of A. K. Ramanujan’s ‘Of Mothers: among other things’ as a Discourse Situation” at the 3rd Mega International Conference on “Continuity, Consistency and Innovation in Applied Sciences and Humanities” (ICCIASH-2022) organised by St. Martin’s Engineering College, Secunderabad (September 16-17, 2022).
- Ms. Pratiksha Pradhan attended a webinar titled “What Does a Woman Want? Psychoanalysis and the Postcolonial Context” organised by the Department of Humanities Studies, IIT (BHU) Varanasi (June 06, 2022).
- Ms. S Sreenidhi participated and presented a paper titled “Painting a World Before Language Using Language: Exploring Mind Style Through Synaesthesia” in the imagery of Keki Daruwalla’s “Before the Word” at the 40th Poetics and Linguistics Association Conference on Style and Sense(s) (PALA-2022) organised by Aix-Marseille Université, Aix-en-Provence, France (July 06-09, 2022).

## Management and Commerce

- Sri Sai Naveen attended the 13th IMRDC 2023 conference hosted by IIM Bangalore (February 03 -04, 2023).
- Ms. Pragya Parashar attended a 5-day online faculty development programme on “Recent Trends in Qualitative Research” conducted by the School of Social Sciences and Languages (SSL) at Vellore Institute of Technology, Chennai (January 30 - February 03, 2023).
- Ms. Pragya Parashar attended and completed a 12-week NPTEL online certification course titled “Marketing Research and Analysis - II” conducted by IIT Roorkee (January - April 2023).
- Ms. Akanksha Aggarwal attended a one-month MOOC on “Digital Assessment and Evaluation Methodologies” conducted by ICAR-National Academy of Agricultural Research Management (September 01-30, 2022).
- Ms. Akanksha Aggarwal participated in a seminar on “A Confluence of Shakti, Siddhi, and Samsiddhi” by the Department of Management and Commerce, Anantapur, SSSIHL (August 06, 2022).

## Mathematics and Computer Science

- Ms. Behara Roopa Sri attended an e-webinar on “World is Full of Networks! An International Webinar on the Applications of Graph Theory”, organised by Sri H D Devegowda Government First Grade College, Paduvalahippe (January 27, 2023).
- Ms. Behara Roopa Sri participated in an online workshop on “Advanced Regression using STATCRAFT R”, organised by STATCRAFT (January 21, 2023).
- Ms. Behara Roopa Sri participated and presented her research paper at the “International Conference on Graphs, Networks, and Combinatorics” (ICGNC 2023), organised by Ramanujan College, University of Delhi, Delhi (January 10-12, 2023).
- Ms. Behara Roopa Sri completed a value-added course on “Writing Research Paper in LaTeX”, organised by Govt. V Y T PG. Autonomous College, Durg (C G) (October 31-November 12, 2022).



- Sri Rahul Poddar presented his research work entitled “Notes on Yamabe Solitons”, at the 1st International Conference on “Recent Advances in Mathematical Sciences and Interdisciplinary Areas (RAMSIA-2022)”, organised by the Department of Mathematics, Institute of Applied Sciences and Humanities (IAH), GLA University, Mathura (U.P.), India (June 23-25, 2022).
- Ms. Behara Roopa Sri participated in a one-day online workshop on “SCI/Scopus Research Paper Writing and Publishing”, organised by Educorp Centre for Research and Advanced Studies Pvt. Ltd., Kerala (June 12, 2022).
- Ms. N Susshma attended an e-conference titled “Next Generation STEM Scientists- NGSS 2022” conducted by Marwadi University, Rajkot, Gujarat in collaboration with NIT, Uttarakhand, University of Virginia-USA, Illinois State University-USA, SSSIHL-Andhra Pradesh and LPU-Punjab (August 04-06, 2022).
- Ms. N Susshma participated in the online “CMS Open Data Workshop” conducted by CERN, Geneva, Switzerland (August 01-04, 2022).

## Physics

- Sri C R Santosh and Sri Prajal Chettri participated and presented their research works in the “Indo-UK workshop on Translating Laboratory Astrophysics to Instrumentation for Human Assistance, 2023” organised by IIT Hyderabad (March 14, 2023).
- Ms. N Susshma completed an online e-learning course on “Introduction to Nuclear Security Culture” on the learning management system of the International Agency of Atomic Energy (IAEA), Austria (March 12, 2023).
- Ms. Priyanka Verma and Ms. Sushmita Chhetri completed an online course on “Research Methodology” from the Swayam platform (January-April 2023).
- Ms. Priyanka Verma attended an online workshop titled “Short Term Course on Surface Engineering of Nano Materials” conducted by NPTEL (December 08-10, 2022).
- Ms. N Susshma participated and presented her research work at the “66th DAE Symposium on Nuclear Physics” organised by the Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), Government of India conducted at Cotton University, Guwahati, India (December 01-05, 2022).
- Ms. Priyanka Verma attended an online workshop “Research Ethics and Identifying Predatory and Cloned Journals in Publications” conducted by the Indian Institute of Management and Commerce (November 25, 2022).
- Ms. Priyanka Verma participated in Gyaanotsav 2079 conducted by Shiksha Sanskriti Utthaan Nyaas in Delhi (November 17-19, 2022).
- Ms. Sushmita Chettri participated in hands-on training on “Advanced Nanofabrication and Characterisation Techniques” organised by INUP at CENSE, Bangalore (November 15- 25, 2022).
- Ms. Priyanka Verma participated in an essay competition conducted by Shiksha Sanskriti Utthaan Nyaas under Gyaanotsav 2079 (October 25, 2022).
- Sri Prajal Chettri and Sri Rajasimha Kurnoothala participated in the hands-on training on “Advanced Micro/Nano Manufacturing Technologies such as Photo-Lithography, 3D Nano-Lithography, and Electron Beam Lithography at IIT Kharagpur as a part of Karyashala Program organised by the Department of Science and Technology (DST), Science and Engineering Research Board (SERB) co-hosted by IIT Kharagpur (July 18-24, 2022).





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# Student Participation & Achievements

## Biosciences

### Industry Connect

- M.Sc. in Biosciences, Prasanthi Nilayam, May 20, 2023. Organizations visited: Sri Sathya Sai Institute of Higher Medical Sciences, Prasanthigram, Puttaparthi, Andhra Pradesh.

### Internship

- M.Sc. in Biosciences, Prasanthi Nilayam, May 25 - June 04, 2023. Internship with Sri Sathya Sai Institute of Higher Medical Sciences, Prasanthigram, Puttaparthi, Andhra Pradesh.

## Chemistry

### Industry Connect

- III B.Sc. (Hons.) Chemistry, Brindavan, April 26, 2023. Organization visited: Log9 Materials, Jakkuru layout, Bangalore, Karnataka.
- III B.Sc. (Hons.) Chemistry, Brindavan, November 17, 2022. Organization visited: Vidya Herbs Pvt. Ltd., Bangalore, Karnataka.
- III B.Sc. (Hons.) Chemistry, Brindavan, November 10, 2022. Organization visited: Olam Food Ingredients (OFI), Whitefield, Bangalore, Karnataka.

## Education

### Industry Connect

- I B Ed., Anantapur, December 16, 2022. Organization visited: ZP High School, Yenumulapalli, Sathya Sai district, Andhra Pradesh.

## Food and Nutritional Sciences

### Industry Connect

- I and II M.Sc. (FNS), Hyderabad, September 25- 29, 2022. Organisations visited: Central Food Technological Research Institute Hyderabad (CFTRI), National Institute of Nutrition (NIN), Institute of Hotel Management, Center for Cellular and Molecular Biology (CCMB), The Telangana State Dairy Development Cooperative Federation Limited, Heemankshi Bakers Pvt. Ltd., Pranav Food Processors India Pvt. Ltd., Indian Grain Storage Management and Research Institute.

### Awards & Recognitions

- B Sowjanya received the "Best Presentation Award" at the International Conference on Public Health & Dietary Lifestyle (virtual mode) organised by the Universal Society

of Food and Nutrition (USFN) (May 10-11, 2023).

- Ameti Srinidhi received the "Best Presentation Award" at the International Conference on Public Health & Dietary Lifestyle (virtual mode) organised by the Universal Society of Food and Nutrition (USFN) (May 10-11, 2023).
- B Sai Suruthi was awarded "First Prize for Oral Presentation" at the International Conference on Innovations in Food and Beverage Technology for Sustainable Future" organised by the College of Food and Dairy Technology, Koduvalli, Chennai (January 04-06, 2023).

## Humanities and Social Sciences

### Economics

#### Industry Connect

- II M.A. Economics, Prasanthi Nilayam, February 06-08, 2023, Organizations visited: Pricol Ltd., LMW Ltd., CODISSIA, and Roots India, Coimbatore, Tamil Nadu.

## Languages & Literature

### English

#### Awards & Recognitions

- Yadha Lama, I M.A. English won the "Best Paper Award" for a paper titled "Ocean as Muse: Interpretation of Select English Songs" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- Aditi Kumari, III B.A. English won the "Best Paper Award" for a paper titled "A Comparative Analysis of the Protagonists



in Amish's Sita: Warrior of Mithila and Chitra Banerjee's *The Forest of Enchantments* at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).

### Other Participation

- S Sathyapriya Darshini, III B.A. English presented a paper titled "Indian Mythology: The Pattanaik Perspective" at the Lit-Treat Edition III, Mythological Narratives in Indian English Literature, conducted by the Department of Languages and Literature (English), SSSIHL, Puttapparthi (April 20, 2023).
- Yukti Bhardwaj, II M.A. English presented a paper titled "From Shiva to Neelkanth: Tracing the Journey of Transformation in Shiva Trilogy" at the Lit-Treat Edition III, Mythological Narratives in Indian English Literature, conducted by the Department of Languages and Literature (English), SSSIHL, Puttapparthi (April 20, 2023).
- Meghana Srinivas Mandalappu, I M.A. English presented a paper titled "Wonderwomen of Indian Mythology: A Comparative Analysis of Sai Swaroopa Iyer's 'Avishi: Vishpala of Rig Veda Reimagined' and 'Abhaya: The Destroyer of Adharma'" at the Lit-Treat Edition III, Mythological Narratives in Indian English Literature, conducted by the Department of Languages and Literature (English), SSSIHL Puttapparthi (April 20, 2023).
- Yadha Lama, I M.A. English presented a paper titled "Wonderwomen of Indian Mythology: A Comparative Analysis of Sai Swaroopa Iyer's 'Avishi: Vishpala of Rig Veda Reimagined' and 'Abhaya: The Destroyer of Adharma'" at the Lit-Treat Edition III, Mythological Narratives in Indian English Literature, conducted by the Department of Languages and Literature (English), SSSIHL, Puttapparthi (April 20, 2023).
- Niveditha. P, III B.A. English, presented a paper titled "A Conflict Perspective Study of Surpanakha in Kavita Kane's *Lanka's Princess*" at the Lit-Treat Edition III, Mythological Narratives in Indian English Literature, conducted by the Department of Languages and Literature (English), SSSIHL, Puttapparthi (April 20, 2023).
- Aditi Kumari, III B.A. English, presented a paper titled "The Sita(s) in the Selected Mythological Narratives of Amish Tripathi and Chitra Banerjee Divakaruni" at the Lit-Treat Edition III, Mythological Narratives in Indian English Literature, conducted by the Department of Languages and Literature (English), SSSIHL, Puttapparthi (April 20, 2023).
- Pem Doma Sherpa, I M.A. English, presented a paper titled "An Eco-critical Reading of Thomas Gray's 'Elegy Written in a Country Churchyard'" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- Meghana Srinivas Mandalappu, I M.A. English, presented a paper titled "Disney's Cultural Fortress: Understanding its Social and Cultural Impact" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- Deepanjali Pradhan, II M.A. English, presented a paper titled "Tennessee Williams' *The Glass Menagerie* as a Memory Play through a Psychoanalytical Approach" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- Sai Chandana, II M.A. English, presented a paper titled "An Eco-critical Analysis of Luca" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- Shivapriya Seetharaman, II M.A. English, presented a paper titled "The Lord of the Flies: A Deep Ecological Perspective" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- Yukti Bhardwaj, II M.A. English, presented a paper titled "Tinker Bell and the Legend of the NeverBeast: An Anthropocentric Approach" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- Dikshya Chettri, III B.A. English, presented a paper titled "Female Bildungsroman in Immigrant Fiction: Gender and Genre in *Brick Lane*" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- P Niveditha, III B.A. English, presented a paper titled "The Creature's Perception of the Self in Mary Shelley's *Frankenstein*" at the National Seminar on Emerging Perspectives in English Language, Literature, and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- V Prashanthi, III B.A. English, presented a paper titled "Advertisements: A Linguistic Analysis" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).
- S Sathyapriya Darshini, III B.A. English, presented a paper titled "Exploring the Possibility of Integration: MAXQDA Use for Critical Discourse Analysis" at the National Seminar on Emerging Perspectives in English Language, Literature and Culture conducted by D. G. Vaishnav College, Chennai (February 24, 2023).



## Management and Commerce

### Industry Connect

- III B.Com.(Hons.), Brindavan, March 11, 2023, Organizations visited: Tractors and Farm Equipment Limited (TAFE), Doddaballapur, Bangalore, Karnataka.
- III B.B.A., Muddenahalli, March 03, 2023, Organizations visited: L&T Construction Equipment Ltd., Doddaballapur, Bangalore, Karnataka.
- M.B.A., Prasanthi Nilayam, February 20, 2023, visited a workshop and exhibition on "Craft Demonstration Programme in Leather Puppet Making Craft" at the Sai Krupa Ashrayam, Puttaparthi
- III B.Com.(Hons.), Brindavan, February 11, 2023, Organizations visited: FINQUEST, organised by IMA, Bangalore Chapter, Bangalore, Karnataka.
- I M.B.A., Prasanthi Nilayam, February 06 -08, 2023, Organizations visited: Pricol Ltd., LMW Ltd., CODISSIA, and Roots India, Coimbatore, Tamil Nadu.
- III B.B.A., Muddenahalli, November 19, 2022, Organizations visited: Tractors and Farm Equipment Limited (TAFE), Doddaballapur, Bangalore, Karnataka.
- II M.B.A., Prasanthi Nilayam, September 16 -19, 2022, Organizations visited: Ashok Leyland Ltd., Carborundum Universal Ltd., and IIT-Madras Incubation Park, Chennai, Tamil Nadu.
- II M.B.A., Anantapur, September 12-14, 2022, Organizations visited: Saint Gobain, JK Tyres, and Danfoss, Chennai, Tamil Nadu.

### Awards & Recognitions

- Archana Vijayakumaran, I M.B.A., was declared a Gender Champion through an in-house competition conducted in accordance with the initiatives taken by the Government of India (May 2023).
- Yazhini Ramani, M.B.A. shared the "Best Research Paper" award with Dr. G Padmavathy for their paper titled "Artificial Intelligence in Human Resource Management: A Study on its Scope" at the International Research Conference on "Emerging Technologies in Business Management", organised by MET Institute of Management in collaboration with the Department of Commerce, University of Mumbai and supported by AICTE, (April 28-29, 2023).

### Other Participation

- Gaurisha Kamthan, II M.B.A., participated and presented a paper at IMET, an international conference on emerging technologies (May 29, 2023).



- Saimathi Bagchi, II M.B.A., completed a course from Great Learning on “Behavioral Finance” (May 25, 2023)
- Lokeswari, II M.B.A., completed a course from Google named “Google Analytics for Beginners”, (May 19, 2023)
- Archana Vijayakumaran and R Uma Meenakshi, I M.B.A. participated in the YUKTI Innovation Challenge (YIC) - 2023, a competition conducted by the Government of India and submitted a Technical Readiness Level -1 idea for the competition under the category Idea/Innovation (May 07, 2023).
- Sowmya Ganesan, II M.B.A., completed an online course “The Fundamentals of Digital Marketing” from Google Digital Garage (May 05, 2023).
- G Saisree, I M.B.A., completed a course on “Advanced Lean Six Sigma Yellow Belt Certification”, internationally accredited by the Council for Six Sigma Certification (CSSC), conducted by Sparen & Gewinn Consulting (May 2023)
- Kota Apoorva Havisha, I M.B.A., participated in YUKTI Innovation Challenge (YIC) 2023, a competition conducted by the Government of India, and submitted a Technical Readiness Level -3 idea for the competition under the category Idea/Innovation (May 2023).
- Kota Apoorva Havisha, I M.B.A., Technical Readiness Level -5 idea for the IDE Bootcamp 2023 scheduled from 22-26 June, at IIT Bhubaneswar was accepted for participation (May, 2023).
- Kota Apoorva Havisha, I M.B.A., participated in the Entrepreneurship Innovation Contest, a competition conducted by Sri Sathya Sai Institute of Higher Learning for aspiring entrepreneurs, and won the 1st prize for the innovative idea of sustainable green skin care products (May 2023).
- Architha Chaturvedika, II M.B.A., completed a course titled “Fundamentals of Digital Marketing” from Google Garage (April 24, 2023).
- Archana Vijayakumaran, G A Sai Jyothika, Kannavi Sood, and R Uma Meenakshi, I M.B.A., participated in the “Entrepreneurship Innovation Contest”, a competition conducted by Sri Sathya Sai Institute of Higher Learning for aspiring to be entrepreneurs and won the 2nd prize for the innovative idea of sustainable green skin care products (April 20, 2023).
- B Kavya, I M.B.A., completed the course on “Strategic Innovation: Building and Sustaining Innovative Organizations” as a part of the Entrepreneurship and Innovation course (April 15, 2023).
- Meda Gowri Priya, I M.B.A., completed the course “Sustainable Digital Innovation” (April 10, 2023).
- Meda Gowri Priya, I M.B.A., completed a training on “EBSCO Business Courses” (April 08, 2023).
- Archana Vijayakumaran, I M.B.A., completed the “Design Thinking for Innovation” course as a part of the course- Entrepreneurship and Innovation (April 08, 2023).
- Neelambari, II M.B.A., completed the course “Foundations of User Experience (UX) Design”, (April 08, 2023)
- Kannavi Sood I M.B.A. completed a course on “Design Thinking” offered by the University of Sydney on Coursera (April 07, 2023).
- Divya, Pranjali Nigam, Tusharini Kumar, and N Jahnavi, II M.B.A., secured an Elite certificate (rank in the top 5%) in the NPTEL online 4-week course on Python for Data Science offered on Swayam Portal by IIT Madras (April 5, 2023).
- Neelambari, II M.B.A., completed a diploma course from Alison on “Project Management in Practice” (April 2023)
- Archana Vijayakumaran I M.B.A., completed a certified course on “Machine Learning for All” (April 2023).
- G Saisree, I M.B.A., completed the following courses: “Interview Cracking Skills”, “MS Excel Advanced Training”, “HR Talent Acquisition”, “HR Analytics”, “HR Generalist and Payroll”, and HR Recruitment Skills, offered by Tareeqa Global Solution Pvt. Ltd. (April 2023).
- M Mani Mekala, I M.B.A., completed the course “Entrepreneurship Financing and Profitability” (April 2023).
- Himika Piduri, I M.B.A., completed the course “Data Science for Business Innovation” as a part of the Entrepreneurship and Innovation subject (April 2023).
- Kota Apoorva Havisha, I M.B.A., completed the course “Social Entrepreneurship” as a part of the course Entrepreneurship and Innovation (April 2023).
- H Yamini, Monika Kodi, Sai Poojitha, U S Nakshatraa, and R Uma Meenakshi, I M.B.A., completed the course “Entrepreneurship Foundations” as a part of the course, Entrepreneurship and Innovation. (April, 2023).
- Gunda Navyasai, E Naga Sriyutha, Sai Nandini, S Apoorva and Kondapalli Veda Gayathri, III B.Com. (Hons), participated in the online workshop on “Fraud Analytics & Forensic Accounting”, organised by the Department of Accounting, GITAM School of Business, GITAM (Deemed to be) University, Hyderabad (March 31, 2023)
- Prajoyli Sharma, II M.B.A., completed “Introduction to Structured Query Language” offered by the University of Michigan via Coursera (March 30, 2023).
- Lokeswari, II M.B.A., completed a course from Google Garage titled “Fundamentals of Digital Marketing”, (March 28, 2023).



- Saimathi Bagchi, II M.B.A., completed a course on "Creating a Budget with Microsoft Excel" from Coursera (March 26, 2023).
- Saishree Shrivastava, II M.B.A., completed the Tax Virtual Experience Program of KPMG through Forage (March 25, 2023)
- R Uma Meenakshi I M.B.A., presented a paper entitled "Role of Social Media in Rural Entrepreneurship" at an ICSSR Sponsored 2-day national seminar titled 'Digital and Disruptive Technologies in India: Trends, Challenges, and Opportunities', organised by Government College (Autonomous), Anantapur (March 24, 2023).
- Archana Vijayakumaran, I M.B.A., presented a paper titled "Role of Information and Communication Technology in Rural Fisheries" at an ICSSR Sponsored 2-day national seminar titled "Digital and Disruptive Technologies in India: Trends, Challenges, and Opportunities", organised by Government College (Autonomous), Anantapur (March 24, 2023).
- Damini Gummala, II M.B.A., completed a course on "Promote a Business with Online Advertising" (March 24, 2023).
- Damini Gummala, II M.B.A., completed "Introduction to Microsoft Excel" an online project authorised by the Coursera Project network and offered through Coursera (March 18, 2023).
- Damini Gummala, II M.B.A., completed "Create a Project Charter with Google Docs" an online non-credit project authorised by the Coursera Project network and offered through Coursera (March 18, 2023).
- Prajoyli Sharma, II M.B.A., completed "Introduction to Management Consulting" offered by Emory University via Coursera (March 18, 2023).
- Riya Singh, II M.B.A., completed a Digital Marketing course on "The Fundamentals of Digital Marketing" from Google Digital Garage titled (March 12, 2023)
- N Jahnavi, II M.B.A., completed a guided project on "Use Canva to Create Social Media Visuals for Business" on Coursera (March 11, 2023).
- Saishree Shrivastava, II M.B.A., completed a course on "Excel Skills for Business: Advanced" from Macquarie University (Sydney, Australia) through Coursera (March 10, 2023).
- N Jahnavi, Prajoyli Sharma, Saishree Shrivastava, and Neelambari, II M.B.A., participated in women's special national level webinar on the "Investor Awareness Program" (March 09, 2023).
- Kota Apoorva Havisha I M.B.A., presented a paper entitled "Robo-Advisory - The Pressing Need of the Hour in India" at a Sponsored 2-day National Seminar titled Digital and Disruptive Technologies in India: Trends, Challenges, and Opportunities, organized by Government College (Autonomous), Anantapur (March 2023).
- Kannavi Sood, I M.B.A., presented a paper entitled "Making Smart Villages: Technologically Smart Rural India on an ICSSR Sponsored Two-Day National Seminar titled Digital and Disruptive Technologies in India: Trends, Challenges, and Opportunities, organised by Government College (Autonomous), Anantapur (March 2023).
- G A Sai Jyothika, I M.B.A., presented a paper entitled "The Role of Technology in Organic Farming: Sikkim's Success, Bhutan's Progress and Sri Lanka's Failure" on an ICSSR Sponsored Two-Day National Seminar titled Digital and Disruptive Technologies in India: Trends, Challenges, and Opportunities, organised by Government College (Autonomous), Anantapur (March 2023).
- G Saisree, I M.B.A., participated in a workshop on "Human Resource Skills" conducted by Tareeqa Global Solution Pvt. Ltd. (March 2023)
- U S Nakshatraa, I M.B.A., completed a course "Introduction to Microsoft Excel" (March 2023)
- U S Nakshatraa, I M.B.A. completed a course "Create Eye-catching Logos using Canva for an e-brand" (March 2023)
- U S Nakshatraa, I M.B.A. completed a course "Use Canva to Create Social Media Visuals for Businesses" (March 2023)
- Neelambari, II M.B.A., completed the course "Use Canva to Create Social Media Visuals for Business" (February,27,2023).
- R Uma Meenakshi I M.B.A., presented a paper entitled "Volition through the Voices of Victims on a National Seminar titled Emerging Perspectives in English Language, Literature and Culture", conducted by P.G. Department of English (February 24, 2023).
- Shruthi S Menon, II M.B.A., completed a course on "The Entrepreneur's Guide for Beginners" from Universitat De Barcelona through Coursera (February 21, 2023).
- Lokeswari, II M.B.A., completed a course on Coursera named "Fundamentals of Project Management", (February 12, 2023).
- Meda Gowri Priya, I M.B.A., completed the course "Human Resource Analytics" (January 24, 2023).
- Himika Piduri I M.B.A. received a Merit certificate in a Global essay competition conducted by the Heartfulness Meditation Center 2022 (January 2023)
- I M.B.A. students completed the course "People Analytics" in Coursera as a part of the course Human Resources Management (2022-2023)



- I M.B.A. students attended various courses on “Entrepreneurship Foundations” on different learning platforms (2022-2023)
- Meda Gowri Priya, R Uma Meenakshi, G Saisree, G A Sai Jyothika, and Kannavi Sood, I M.B.A. participated in the National Entrepreneurship Challenge, organised by IIT Bombay (November - December 2022).
- Riya Singh, II M.B.A., stood first in the Hindi Creative Writing Competition (October 11, 2022)
- N Jahnavi, II M.B.A., completed a certification from LinkedIn Learning by the title “Become a Six Sigma Yellow Belt” (July 10, 2022).
- Divya, N Jahnavi, Neelambari, and Aksha Bajpai, II M.B.A., completed the “Six Sigma Yellow Belt Certification”, (July 2022)
- Shruthi S Menon, II M.B.A., completed a course on “Preparing to Manage Human Resources” from the University of Minnesota through Coursera (June 25, 2022).
- Shruthi S Menon, II M.B.A., completed a course on “The Fundamentals of Digital Marketing” from Google Digital Garage (June 21, 2022).

## Mathematics and Computer Science

### Achievements and Participation

#### Actuarial Data Science Team Wins at the Global Conference of Actuaries, March 04-06, 2023, New Delhi

The Actuarial Data Science (ADS) team from SSSIHL, Prasanthi Nilayam had the opportunity to participate in the Global Conference of Actuaries (GCA) from 4th to 6th March 2023 at The Ashok Hotel, New Delhi. Organized by the Institute of Actuaries of India (IAI) the conference featured a diverse range of sessions and workshops, covering topics such as risk management, insurance, pensions, and more. The team leveraged this golden opportunity to engage with fellow actuaries and learn about the latest developments and trends in the industry through interactive discussions and exchange of ideas.

Sri Satya Sai Mudigonda, Adjunct Professor in Actuarial Science, SSSIHL, Dr. Rohan Yashraj Gupta, Visiting Faculty, SSSIHL, and Phani Krishna Kandala, AVP, Swiss re and Visiting Faculty at SSSIHL made two presentations on 5 March 2023 in the property and casualty session that was well received by the audience.

In the *Cultural Segment*, the SSSIHL ADS and Rhythmic Energy brass band comprising of current actuarial students and alumni was selected along with 4 other teams from across India to perform at the event. The team won first place with a cash award of Rs. 30,000 for their impressive and soulful performance.

During the visit, the SSSIHL ADS team met John Robinson, President of SOA, Arunachalam, President of IAI, and Andrew Peterson, Senior Director of, SOA, and discussed the possibilities of more research and collaboration.

#### Team SSSIHL Wins ‘Overall Championship’ at Datamaze 2023, CHRIST, Bangalore

A 15-member student team from the Brindavan Campus won the “Overall Championship” at Datamaze 2023, a national Level Inter Collegiate Data Science and Statistics fest, organized by the Dept. of Statistics and Data Science at the Central Campus of CHRIST (Deemed to be University), Bangalore, on 15th of February 2023. Over 10 Higher Educational Institutions participated in Datamaze 2023. The SSSIHL team participated in 8 of the 13 events organized and won the first place in 5 events and the second place in 3 events.

- **Jeopardy:** First Place (out of 12 teams). Winners: Deva Narayana Babu, Manan Luthra, and Manoj Reddy



- **Catch me if you can:** First Place (out of 7 teams). Winners: Sai Adithya, Sai Saketh, and Yedu Krishna
- **Bet a code: First Place (out of 11 teams). Winners:** Manan Luthra, and Manoj Reddy
- **Battle of bits:** First Place & Second Place (out of 6 teams). Winners: Deva Narayana Babu (First) and Devesh Salamatani (second)
- **Sell me a PC:** First Place (out of 5 teams). Winners: Sai Adithya, Sai Prasad and Yedu Krishna
- **Abstraction:** Second Place (out of 6 teams). Winners: C Sai Kartheek, and Vishwanath
- **Shark Tank:** Second Place (out of 6 teams). Winners: Anjaneeya, Arindam, Charan, and Sai Prasath

### Other Participation

- Polimera Narendra Kumar Reddy, Sai Nithish, Deepam Rai, of II M.Sc. (Data Science and Computing), participated in Sri City Healthcare Hackathon 2022, EMIDS IIIT (November 11-13, 2022).

## Music

### Participation

- All BPA and Diploma students participated in an online Music Workshop on IPRS Music Day (April 05, 2023).
- Arunachala Sivateja Mudigonda, I Year, Diploma Music, Prasanthi Nilayam, participated in the Global Conference of Actuaries (GCA), Delhi, (March 04-06, 2023).

## Physics

### Industry Connect

- II M. Sc. Physics, Prasanthinilayam, March 28-29, 2023. Organizations visited: Raman Research Institute (RRI), Indian Institute of Astrophysics (IIAP), Analog Devices India (ADI), and ISRO - LEOS, Bangalore, Karnataka.
- I and II M. Tech. (Optoelectronics and Communications), Prasanthi nilayam, March 28-29, 2023. Organizations visited: Infinera: Optical Networking, Tejas Networks, Analog Devices India (ADI), and ISRO - LEOS, Bangalore, Karnataka.
- III B.Sc. (Hons.) Physics, Anantapur, September 09, 2022. Organizations visited: SHAR Project, Satish Dhawan Space Centre (SDSC), Indian Space Research Organisation (ISRO), Sriharikota, Andhra Pradesh.

### Field Visit

- III B.Sc. (Hons.) Physics, Brindavan Campus, visited the Central Research Instruments Facility (CRIF), Prashanti Nilayam, Andhra Pradesh on April 23, 2023.





- Pakala Pruthividhar Reddy, I M. Tech. (OEC), completed the NPTEL course "Introduction to Internet of Things" (Topper - Top 2%) (January-April 2023).
- Subhakanta Sahoo, I M. Tech. (OEC), completed the NPTEL course "Introduction to the Internet of Things". (Topper - Top 1%) (January-April 2023).
- Palzar Tamang, I M. Tech. (OEC), completed the NPTEL course "Introduction to the Internet of Things". (Topper - Top 5%) (January-April 2023).
- H Sreehari, I M. Tech. (OEC), completed the NPTEL course "Introduction to the Internet of Things". (Topper - Top 1%) (January-April 2023)
- M Akhil, I M. Tech. (OEC), completed the NPTEL course "Introduction to the Internet of Things". (Topper - Top 1%) (January-April 2023).

## Other Achievements/Participation

### Lit-Treat Edition Ed. III - Epics and Epochs, April 20, 2023

Celebrating Lit-Treat, Edition III, the undergraduate students participated in a Tableau Drama and Storytelling competition. The winners of the Tableau Drama are as follows:

- II B.Sc. (Hons.) Physics and I B.Sc. (Hons.) MPC, Anantapur, visited the Central Research Instruments Facility (CRIF), Prashanti Nilayam, Andhra Pradesh on April 22, 2023.

### Achievements/Participation

- Kartik P Nagar, III B.Sc. (Hons), Brindavan campus, has developed a software "Brindavan-Pay". This software was tested and implemented in the Consumers Cooperative Society Limited of SSSIHL. This is a valuable initiative by the student aimed at developing an application to facilitate cashless billing for the student residents of Sri Sathya Sai Hostel Brindavan (May 24, 2023).

- **First Prize:** B. R. Shreya, Harinee Y, Esha Subba K. Chaitanya Reddy, Harini A, B. Soujanya, G. Ramya of Ill FNS.
- **Second Prize:** Adri Menon, Ramya. G, Rishita, Sreenidhi, Vijayalakshmi, Jahnvi & Sejal of Ill FNS.
- **Third Prize:** Chetna Ramesh, Malavika K.R, G. Sri. Vasudha, Niharika Sai Yadav, Sreedevi Vinayan, R M Anjali, B Ramya

The winners of the Story Telling competitions conducted in Telugu, Hindi, and English are as follows:



- **Telugu** - Lalitha (1st Prize), Rani Srivalli (2nd Prize) and K Bangaru Lakshmi (3rd Prize)
- **Hindi** - Vaishnavi Sahu (1st Prize), Anika Hingne (2nd Prize), Parthisha Gupta (3rd Prize)
- **English** - Jagriti Sharma (1st Prize), Vibuthi (2nd Prize), and D. Shreya Shree Phani (3rd Prize)

### Cyber Security Awareness, Anantapur, March 01, 2023

On March 1, 2023, a presentation on cybersecurity awareness was given by two M.Sc. Mathematics students, namely M. Lakshmi and Dawa Phuti Lepcha, at the Anantapur Campus. The talk emphasized the growing significance of cyber security due to the rise in cybercrimes. The students covered topics such as the importance of cyber security, its different types, potential threats, and preventive measures. The discussion concluded by highlighting essential do's and don'ts to avoid falling victim to cybercrimes.



### Career Prospectus in RBI - An Awareness Programme, Anantapur, January 25, 2023

An awareness program to highlight career opportunities at RBI was conducted on 25th January 2023, for the students of SSSIHL, Anantapur Campus. Mr. Prabhuti Samal, Deputy General Manager, and Mrs. Vaishali, Manager, RBI, spoke to the students on the direct recruitment of Grade B officers every year and how to apply for the same. The discussion was followed by Q&A sessions and distribution of literature related to the awareness program.



### Cultural Events, Anantapur, August - November 2022

In a series of cultural events held between August and November 2022, the campus witnessed a vibrant display of talent and cultural diversity. These events not only showcased talent but also underscored unity and diversity within the campus community, contributing to a rich cultural atmosphere.

- A Light Music Competition for undergraduates featured melodious songs in diverse languages, offering a delightful experience for music enthusiasts and devotees (August 18, 2022).
- The four houses - Sathya, Dharma, Shanti, and Prema engaged in a Short Play competition. Each house chose themes from Bhagawan's Vahini series, leading to innovative and inspiring dramas (November 10, 2022).
- The four houses - Sathya, Dharma, Shanti, and Prema presented a Group Dance Competition, comprising of dances from different countries - Russian, Persian, Sri Lankan, and Chinese, showcasing global cultural diversity. This was followed by a Solo Classical Music Competition for undergraduates (October 13, 2022).
- Postgraduate students showcase their vocal talents in a Solo Classical Music Competition, primarily featuring the Carnatic style (October 20, 2022).
- A panel discussion was held by senior students reflected on the significance and joy of Bhagawan Baba's week-long birthday celebration and Akhanda Bhajan. Videos accompanied personal experiences, creating an informative and transformative dialogue appreciated by the Director and senior teachers (October 27, 2022).
- Postgraduate students took part in Solo Classical Dance and Mono-Acting Competitions. Dance performances encompassed Kuchupudi, Bharata Natyam, and Mohini Natyam styles, with notable feats like Aishwarya Lakshmi Narayan's impressive balancing act. The Mono-acting contest conveyed life lessons, social awareness, and devotion, allowing students to deliver dialogues in English, Hindi, or Telugu (November 3, 2022).



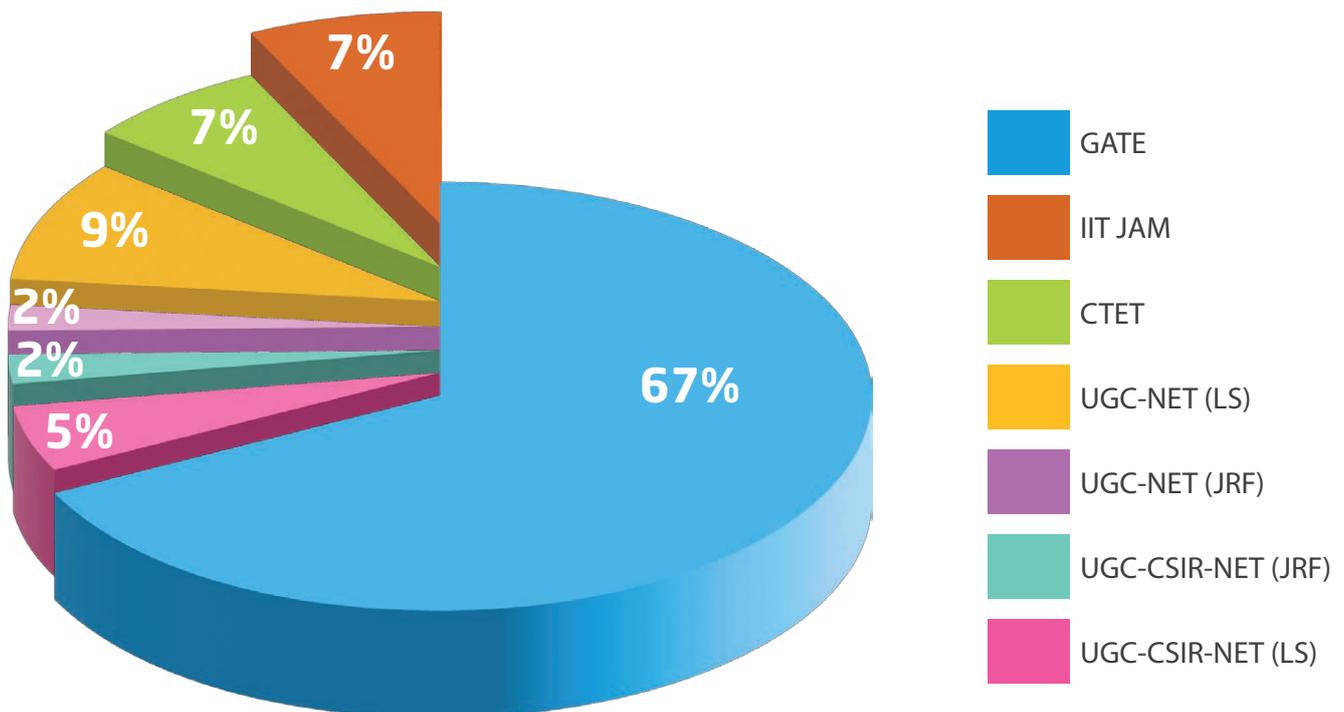
# National Examinations

A significant percentage of SSSIHL final year postgraduate students qualified in national exams such as GATE (Graduate Aptitude Test in Engineering) | CSIR (Council of Scientific & Industrial Research) | JRF (Junior Research Fellowship) | NET (National Eligibility Test) | LS (Lectureship) | JEST (Joint Entrance Screening Test) | CTET (Central Teacher Eligibility Test), IIT JAM, and more in 2022/23.

## OVERALL (2022/23)

**46/112 = 41%** (Students Qualified /Students Appeared)

## Students Qualified in National Exams - 2022/23



## GATE 29/50 = 58%

### Sangeeth Dhiman (Biosciences)

5496

### Rajath D (Biosciences)

144

### Manikanta Koppolu (Biosciences)

1313

### Gayatri Shakadi (Biosciences)

6999

### Ishika Singh (Biosciences)

2543

### Rajameenakshi Muralidharan (Biosciences)

21

### Shai Shikha Rout (Biosciences)

6742

### Ritu Raj Pradhan (Computer Science)

7855



**Sai Kulvanth Sarva (Computer Science)**

5769

**Akshay Murali (Computer Science)**

10445

**Deepesh Pradhan (Computer Science)**

13982

**Nitesh Sharma (Computer Science)**

6135

**Gooty Bharadwaj (Computer Science)**

7855

**P Eswar Sai (Computer Science)**

4183

**Sathya Sai Srikar Ayyagari (Computer Science)**

608

**Abhinandan Senapati (Computer Science)**

21596

**Aryan Sai Arvapelly (Computer Science)**

7366

**S Sai Satish (Computer Science)**

7592

**S M Pranav Phanindra (Computer Science)**

7855

**Sahith Narkadamilli (Computer Science)**

5943

**T Sai Sriram (Computer Science)**

2337

**Sai Prasad Mahapatra (Physics)**

177

**Sidhant Dewan (Physics)**

1393

**Sahil Pradhan (Physics)**

1679

**Sahadev S (Physics)**

2627

**Vasu Panchadarla (Physics)**

5717

**Malla Vandana (Life Sciences)**

3599

**Marutla Nithya (Food & Nutritional Sciences)**

6231

**Kavana J C (Food & Nutritional Sciences)**

13894

**CTET** 3/8 = 37.5%

**B Darshini Anand (Education)**

**C M Sai Vaktha (Education)**

**V Jyothi (Education)**

**UGC-CSIR-NET (LS)** 2/14 = 14%

**Manikanta (Biosciences)**

**Aravind Parishkrith (Physics)**

**UGC-CSIR-NET (JRF)** 1/8 = 12.5%

**Rajath D (Biosciences)**

**UGC-NET (JRF)** 1/10 = 10%

**Peddapalli Jeevana Sindhu (Food & Nutritional Sciences)**

**UGC-NET (LS)** 4/11 = 36%

**S Sai Shriram (Management)**

**Peddapalli Jeevana Sindhu (Food & Nutritional Sciences)**

**Deepika Shrestha (Food & Nutritional Sciences)**

**Sparsh Sumnirom Subba (Food & Nutritional Sciences)**



## IIT JAM 3/8 = 37.5%

### Sarvasv Kakkar

146

### K Sai Akhil

1878

### Satyavrath Ganesh Bharadwaj

1582

## International Examinations

### TOEFL

- S Shivapriya (Languages & Literature)

### IELTS

- S Sathyapriya Dharshini (Languages & Literature)
- Satyavrath Ganesh Bharadwaj (Physics)

## International Exams for Actuaries held by The Casualty Actuarial Society (CAS) and The Institute and Faculty of Actuaries (IFoA)

## CAS & IFoA (23/26) = 88.5%

### CAS

#### Modern Actuarial Statistics 1 (MAS 1)

- Srinand Hegde
- Sumanth Chebrolu
- Sai Prasanna Gurumoorthy
- KVSS Kasyap
- Sri Charan Wootla
- Eswar Prem Sai Gupta
- Hursh Gupta

#### Modern Actuarial Statistics 2 (MAS 2)

- Shashi Kumar
- Sri Charan Wootla
- Arnav Dutta
- Hursh Gupta

#### Probability (Exam P)

- Sai Prasanna Gurumoorthy
- KVSS Kasyap
- Sri Charan Wootla
- Sumanth Chebrolu
- K Damodar Reddy
- Sai Yashwanth Chinthakayala

#### Financial Mathematics (Exam FM)

- Srinand Hegde
- Sumanth Chebrolu
- Hursh Gupta
- Sri Charan Wootla

#### IFoA

- Sankar Krishna - CPI (Actuarial Practice)
- Arunachala Sivateja M - CM2 (Loss Reserving and Financial Engineering)

## UGC Fellowship

The "Savitribai Jyotirao Phule Fellowship for Single Girl Child" by the University Grants Commission, Govt. of India for the year 2022-23, for five years was awarded to:

- Ms. K V Seetarama Mani Chandrika (Chemistry)
- Ms. Sparsh Sumnirom Subba (Food and Nutritional Sciences)
- Ms. Pratiksha Pradhan (English)
- Ms. Anjana Biswas (Physics)
- Ms. Susshma N (Physics)



# Projects & Dissertations

## Biosciences

### M.Sc. in Biosciences

- Identification of Crucial Amino Acid Residues Present at the Catalytic Site of cGMP-specific Phosphodiesterases
- Comparative Evaluation of Phytochemical constituents, Medicinal Properties of *Plectranthus ambonicus* (Lour.) and *Thymus vulgaris* (L.) Leaf extracts
- Role of Iron in Human Health
- Understanding the Role of Key Proteins in the Pathophysiology of Obesity and Associated Metabolic Disorders
- Mutations in the Glycosylation Genes and Their Effects on the Immune System
- Glutamate, Glutamine, and Arginine Metabolism Modulate Mutant Huntingtin Aggregation in the Yeast model of Huntington's disease
- In silico Screening of Natural Product Datasets to Identify Potential Inhibitors of Thymidylate Kinase of Monkey Pox Virus
- In silico Evaluation of Antimicrobial Potential of Bioactive Peptides from Hemocyanin of *Carcinoscorpius rotundicauda*
- Screening of Clinically Isolated Enterobacteriaceae Fosfomycin Resistance
- Analysis of Clinically Isolated Enterobacteriaceae for the Presence of Virulence Factor Genes and Molecular Determinants Involved in Heteroresistance
- Modulation of ATP and Homocysteine-Mediated Inflammation in Microglial Cells by HDAC Inhibition as Potential Therapy for Glaucoma
- Virtual Screening Studies to Identify Inhibitors for BACE1, A Therapeutic Target in Alzheimer's Disease
- Integrated Analysis Confirms the Critical Role of Acetyl CoA in Modulating Protein Aggregation Associated with Amyotrophic Lateral Sclerosis
- Wastewater Characterization and its Applications
- Antioxidant Potential of *Termitomyces* spp. from Anantapur, Andhra Pradesh

## Chemistry

### M.Sc. in Chemistry

- Carbon Nanostructures and their Perovskite Oxide Composites for Energy Storage Applications
- Screening and Quantification of Microplastics from Reverse Osmosis (RO) Drinking Water Sources and Plasticizers from Polyethylene terephthalate (PET) Bottles in Indian Market
- Synthesis and Characterization of 14-deoxy-12-thiophenyl andrographolide-3,19-acetals
- Designing Novel PVC-CeO<sub>2</sub> Based Polymer Nanocomposites Using DFT Calculations
- Electrospinning as a Method for Organising Nanoantenna towards SPCE Enhancements

## Food and Nutritional Sciences

### M.Sc. in Food and Nutritional Sciences

- Formulation, Standardization, and Utilization of Organic Tomato Concentrates
- A Study on Development and Quality Evaluation of Organic Sweet Lime Products

- Formulation and Development of Millet-based Gluten-free Baked Foods
- Formulation, Development, and Shelf Stability of Amaranth/ Flaxseed Enriched Gluten-free Millet-based Crackers
- Formulation and Development of Amaranth Seed (*Amaranthus Cruentus* L) and Flaxseed (*Linum usitatissimum* L) Incorporated Millet-based Cookies
- A Study on the Development and Evaluation of Food Products and Education Material for Liver Health
- A Study on the Impact of Dietary and Lifestyle Factors on Cognitive Health Among Young Indian Adults
- Extraction and Estimation of By-products of Green Leafy Vegetables and their Application as a Potential Source of Antioxidants in Sunflower Oil
- A Study on Investigation of Hazardous Food Additives in Branded Pickles Available in India

## Humanities and Social Sciences

### Economics

#### M.A. Economics (Specialisation: Financial Economics)

- Impact of Renewable Energy on Mitigation of CO<sub>2</sub> emission – An Empirical Analysis of India
- Investigating the Association of Selected Economic Indicators to the Equity Market of India Using the ARDL Approach
- Approach Towards Capital Account Liberalisation: From India's Perspective
- An Analysis of India's Exchange Rate: Post-structural Reforms
- An Analysis of Indian Agriculture and its Climatic Sensitivity

## Languages & Literature

### English

#### M.A. in English Language and Literature

- Forensic Linguistics: A Pilot Study in Plagiarism, Authorship and Copyright Concerns
- From Vyashti to Samashti Towards Parameshti: Tracing the Journey of Transformation in Amish's Shiva Trilogy

#### B.A. in English Language and Literature

- Selected Advertisements: A Linguistic Analysis
- Sample Corpus Analysis of PM Modi's Speeches to Understand Interpersonal Metafunction of Language
- A Comparative Analysis of Amish's Sita: Warrior of Mithila and Chitra Banerjee Divakaruni's The Forest of Enchantments
- Quest for Identity in Immigrant Fiction: A Study of the Female Protagonist's Journey in the Novel Brick Lane by Monica Ali
- Transformation of a Creature to the Monster: A Psychological Study of 'Body Shaming' in Mary Shelley's Frankenstein
- "Lamia" and Organicism: Exploring Eco-connectivity Among the Mythological Characters in John Keats' "Lamia"



## Management and Commerce

### M.B.A.

- Qualities of a Leader: A Cross Comparative Exploration of Leadership Literature & Srimad Bhagavad Gita
- Understanding the Shift Towards Consumption of Plant-based Meat: A Systematic Literature Review
- A Study on Financial Literacy Among College Students
- Design Thinking to Aid Entrepreneurship
- A Study on Social Media Influence on the Consumer Purchase Decision
- Technology Enabled Services in Retail Banking - A Study
- Adoption of Data Analytics in Human Resource Management
- A Study on the Influence of Social Media on Personal Financial Planning
- A Study on Green Entrepreneurial Inclination Among Students
- A Theory Based Systematic Literature Review on Sustainable Green Consumption Patterns
- A Study on the Role of E-Commerce in the Indian Handicrafts Industry: A Consumer Perspective
- Cognitive Moral Development Among Business Graduates - A Study Using Kohlberg's Model
- A Study on the Factors Influencing Consumer Technology Acceptance in the Apparel Retail Sector
- Understanding the Consumption of Durable Goods - A Systematic Literature Review
- The 'What', 'Why' and 'How' of Sustainable Fashion Apparel Consumption: A Systematic Literature Review
- Emerging Concepts in Vulnerable Leadership - An Exploratory Study in Social Media Conversations
- A Systematic Literature Review of Luxury Consumption in the Light of Sustainability
- Applications of Human Resource Information System (HRIS) on Organizational Performance (Efficiency and Effectiveness)
- Herzberg's Two-factor Theory on Job Satisfaction: Does it Work for Today's Environment?
- A Study on the Role of Investment Advisors in Personal Financial Planning
- A Study on Evolution and Effectiveness of Technology in Accounting
- A Study on the Impact of ESG on Financial Performance of Indian Companies
- A Study on the Performance of Self-help Groups Before and After COVID-19 in Anantapur (Andhra Pradesh)
- A Study on the Impact of Pandemic and Technology on Musicpreneurs
- Looking Back and Moving Forward: An Organisational Learning Perspective of COVID-19
- A Study of Corporate Social Responsibility on the Performance of Indian Banking Companies
- A Study on Building A Predictive Model for Motor Insurance Claim Prediction
- A Study on the Awareness of Vegan Products Among Indian Consumers
- A Study of Supply Chain Disruptions & their Impact on Select Industries
- A Study on the Impact of Working Capital Management on Profitability in the Organized Retail Sector in India
- A Study on Employee Retention Strategies and Reasons for Employee Turnover in the IT Industry in India.
- An Exploratory Study on Health Insurance for the Missing Middle Class in India
- Backtesting Technical Analysis of Select Indian Companies
- A Study on Digital Technologies in Standardised Management Consulting Processes
- Developing a Competency Framework: A Lean Six Sigma Intervention
- A Study on New Technology and Equipment in Agri Space
- A Study of Warehousing and Material Management in Sri Sathya Sai Institute of Higher Medical Sciences
- A Study of Momentum and Contrarian Investment Strategy In NSE: Indian Context
- A Study of Factors Affecting Venture Capitalist Decisions in Start-up Funding
- Solving the Challenges of Background Verification in Talent Acquisition: A Proposed Framework
- A Comparative Study of Organised Retail Challenges: A Case Study Based Approach
- Interpretive Structural Modelling for Causes of Food Loss in Agri-food Supply Chain
- A Study on Bio-medical Waste Management at SSSIHMS, Puttaparthi
- Impact of Digital Marketing on Consumers During the COVID Pandemic
- Impact of the Paradox of Choice and Herding on Investment Decision - An Empirical Study
- Rural Consumer Behaviour and Branding
- Digitalization of Unorganized Retail: Needs, Challenges and Allied Opportunities
- A Study on the Business Model of an Entrepreneur from Coimbatore Operating in Dairy Space
- A Study of Consumer Buying Behaviour in the Hybrid Car Segment in India
- Developing a Sustainable Business Model for the Fashion Industry Utilizing Eco-friendly Materials
- Business Analysis of Five Star Business Finance Using Babok Frameworks
- A Study on Scope of Cost Savings in Procurement and Inventory Management of Food Raw Materials in Senior Boys Hostel Mess
- Analysis of Methods and Tools Used for Portfolio Management and Creating a Dashboard
- Development and Evaluation of a Natural Language Based Trading Algorithm: An Empirical Study Using Finbert Sentiment Analysis
- Investment Awareness, Preferences, and Risk Appetite of Generation Z
- A Study Analyzing Jiomart's Impact on the Indian Grocery Market, Along with its Reach and Adoption
- Designing Customer Journey Map for Phone and Laptop
- A Study of Rural Consumer Buying Behaviour of Life Insurance
- Developing a Business Model on Cloud Gaming in India



## Mathematics and Computer Science

### B.Sc. (Hons) in Mathematics

- Diabetes Classification
- Periocular Gender and Age Classification
- Value Based Games Using Unity
- Masked Face Completion for Different Emotions
- Age and Gender Prediction Using CNN
- Investment Analysis and Portfolio Management Using Fractal Geometry
- Yoga Pose Detection Using ML Techniques
- Sentiment Analysis Using Machine Learning Techniques
- Crop Prices Prediction Using Actuarial Data Science Techniques
- OCT Images Classification Using Neural Network
- Fingerprint Analysis Using Fractal Geometry

### M.Sc. in Data Science and Computing

- Video Summarization Using a Hierarchical Multimodal Transformer
- Study of Deep Learning Models for Yoga Posture Recognition
- Detecting Possible Frauds in Relevant Domains Using GANs and KG
- Study of Privacy-preserving Learning
- Neural Abstractive Summarization for Sanskrit Documents
- Automatic Segmentation and Learning of the Distribution of White Matter Hyperintensities from 3D Neuro MRI
- Comparative study of Different Deep Learning Models for Left Ventricle Segmentation from 2D Echocardiogram
- Generating a Knowledge Graph from Linked Legal Documents
- Left and Right Ventricle Segmentation from Cardiac MRI and Exploring Ejection Fraction
- Auto-LVEF: A Novel Method to Determine Ejection Fraction from 2D Echocardiograms
- SAI P.R.A.S.N.A - Passage Retrieval Augmented System for Nuanced
- Construction of a Summary Knowledge Graph on a Single Legal Document

### M.Sc. in Data Science and Computing (Mini Projects)

- Conversational AI using RASA
- Impact of Climate Change on Motar Claims
- Image Segmentation and Classification
- Sentiment Analysis for Gita
- Crop Price Prediction
- Fraud Detection in Health Care Insurance using ML
- Facial Recognition
- Multimodal Data Analysis for Financial Decision Making
- Impact of Climate Change on Properties
- Question Answering in Indian Philosophy
- Continuous Sign Language Detection Using Deep Learning

### M.Sc. in Mathematics

- A Study of the Internet of Things in Healthcare
- Fuzzy String Matching
- Application of Leslie Matrix to Project Female Population
- Parameter Estimation - Principal Component Analysis
- Application of Graph Theory in Air Traffic Control Network
- Medical Image Stitching

- Designing a Custom Cutting Guide for Total Knee Arthroplasty
- Designing Tools for Assisting in Traumatized Leg Bone Reconstruction
- Blockchain-based solutions for Trade Lifecycle Management and Decentralised Blogging
- A Data Science Approach Towards Crop Liability Projection
- Order Computation in Generic Groups with Applications to Cryptography
- Innovative Actuarial Data Science Techniques to Handle Data for Fraud in Health Insurance
- A Study of Active Contour Models in Image Segmentation
- A Study of Methods for Reconstructing Ordinary Differential Equations from Time Series Data
- Analysis of Sputum Smear Images for TB Detection
- Automation of Leave Approval and Aiding Data Collection of Few NAAC Metrics Using Microsoft Power Tools
- Applying Machine Learning Algorithms for Predicting Fraud in Health Insurance, a Comparative Study Using Actuarial Data Science Techniques
- Discrete Logarithms and Structure Computation in Finite Abelian Groups
- DCT Based Digital Watermarking Using CNNs
- Streamlining Tasks Using Power Platform: Developing Productivity Enhancement Utilities for DMACS
- Root Extraction in Finite Abelian Groups

### M.Sc. in Mathematics (Mini Projects)

- Parallelization of Sequential Code for Target GPU
- Predicting Metastasis in Cancer Patients Using Machine Learning Models: A Comparative Study of Models
- Comparative Study of OpenMP and OpenACC Programming: A Case Study
- Predicting Crop Yield Using Regression
- Using Interpretable Machine Learning Methods - An Application to Health Insurance Fraud Detection
- Cancer Incidence Rates
- Developing Graph Based on Geogebra
- Mortality Due to Cancer Treatment Delay: Systematic Review and Meta-Analysis
- Developing a Graph-based Game on Geogebra
- Fully Homomorphic Encryption
- Risk Factors for Multi-Resistant Tuberculosis in Europe: A Systematic Review
- Predicting the Future with Mathematics: A Comparative Analysis of ARIMA and ODE Models
- Fuzzy Tree Structure Model for Personalized Recommendation in E-Learning Systems
- Assessing the Student's Lever of Understanding of a Concept Through Bayesian Approach
- An NLP-based tool that Generated Structured Data in Tabular Format from Unstructured Information Contained in Emails- Extracting & Pre-processing
- Predicting Metastasis in Cancer Patients Using Machine Learning - A Comparative Analysis
- Climate Modeling with Neural Diffusion Equation
- Vision-Based Navigation for Drone Altitude Control Using Autopilot System
- Using Interpretable Machine Learning Methods: An Application to Health Insurance Fraud Detection
- Implementation of Linear System of Equations Solver Using OpenMP and OpenACC



- An NLP based Tool that Generates Structured Data in Tabular Format from Unstructured Information Contained in Emails - Training and Predicting
- The Mathematical Modelling of a Wave Equation by Using Finite Difference Methods

### **M.Tech. in Computer Science**

- Facial Expression Recognition in the Presence of Noisy Annotations
- Semi-supervised Learning Based Facial Expression Recognition
- One-class Class Incremental Learning
- Information Retrieval of Blockchain Data Using an Augmented Data Storage
- A Reliable Land Registry System Using Ethereum with Query Support
- Blockchain-based Decentralized Learning Environment with Integrated Recommender Systems
- Deepfake Detection Using Multi Wavelet CNN and One Class Learning
- An Ethereum-based Electronic Health Record System with SQL Query Support

### **M.Tech. in Computer Science (Mini Projects)**

- Machine Learning Techniques for Automobile Insurance Products
- Exploration of Object Classification and Detection Using PyTorch Pre-trained Models
- Bayesian Concept Learning
- Datapacket Classification in a Network-NIDS
- IoT Data Marketplace Using Blockchain
- A Web Application to Connect Elderly People in Rural Areas (During Medical Emergencies) to the Nearby Sevadal of Sri Sathya Sai Organization
- Face Recognition for Attendance System Using Deep Neural Networks
- Decentralized Cloud Storage
- Enhancement of the Supply Chain Module for the Health4all application
- Academic Based Web Development
- A Web Application to Connect Elderly People in Rural areas (During Medical Emergencies) to the nearby Sevadal of Sathya Sai Organization
- Hardware Data Prefetching
- Estimation of Superimposed Inflows Impact of Motor Insurance Using Road Usage Data
- Image Morphology
- Deploying and Scaling a Platform Agnostic Machine Learning Model

## **Physics**

### **B.Sc. (Hons.) in Physics**

#### **Open-ended Experimental Projects**

- Spatial Light Modulator
- Types of Interferometers
- Study of Zeeman effect
- Fabrication of Class D Amplifier
- UV-VIS Spectroscopy as a Tool to Determine the Energy Band Gap
- Study Of B-H Curve for Ferrite Core, Hall Effect in

- Semiconductor and Phase Transition in Barium Titanate
- Fabrication of Metal-polymer Based Composites for Characterizing Electromagnetic Shielding Properties

### **Projects using Python**

- Database Management for Tax Collection
- Realtime Object Dimension Detection Using OpenCV
- Quadratic Plotter
- Password Generator
- Understanding Quantum Mechanics Using Python: Theory, Applications and Simulations
- Numerical Method Solver
- Brindavan Pay - A Cashless Facility
- Scientific Calculator
- Face Recognition Using Python
- Simulation of Schrodinger Wave Equation with Python
- Study of Properties of Light Using Python Codes
- Numerical Solution of Heat Equation Using Python codes
- Simulation of Oscillations with Python
- Rocket Motion

### **M.Sc. in Physics**

- Degenerate Four-wave Mixing and Anti-resonant Ring Interferometric Nonlinear Spectroscopy: Measurement of Third Order Nonlinear Susceptibility
- Effect of V2O5 Additives on Sintering, Structural and Electrical Properties of Lead-free BNT-BT-KNN Piezoelectric Ceramics
- Optimal Regenerator Placement for Restoration Services in DWDM Networks
- A Systematic Study of the Effect of NaF Sintering Aid on the Electrical Properties and Microstructure of Na3Zr2Si12PO12 Electrolytes
- Gamma Radiation Shielding Studies on Barium Bismuth Borosilicate Glasses
- Implementing Deep Learning for Radiology Based Biomedical Imaging Applications
- ZnO-C65 Heterostructure Thin Films for Gas Sensor Applications
- Femtosecond Laser Micromachining in Fused Silica toward lab-on-a-chip Applications
- Simulation Studies on Passively Mode-Locked Fiber Lasers
- Studies on Ti-modified 1393-B3 Borate Bioactive Glasses

### **M.Tech. in Optoelectronics and Communications**

- Conversational Tool for Basic Electronics Queries and Product Development
- Decentralised Spectrum Management and Service Level Agreement for Predictive Network Slicing with Blockchain Technology
- Optimised Regenerator Placement in Flex Grid DWDM Networks with Optical Restoration Enabled Services
- Calibration Automation of Multipixel Semiconductor Detectors Using Machine Learning Models



# Central Research Instruments Facility (CRIF)

SSSIHL Central Research Instruments Facility (CRIF), based at the Prasanthi Nilayam Campus, is one of the few such facilities in the country (and the first in a rural location) that houses advanced Characterization/Analytical tools to carry out Translational Research in various areas of Science and Technology such as Physical, Biological, Chemical, Materials Science, Food, Nutrition and also Computational and Interdisciplinary Areas.

*A Ph.D. degree holder is a person who helps others through his research and develops the country.*

**Sri Sathya Sai Baba**

Revered Founder Chancellor, SSSIHL

The facility, built with a funding of 45 crore with the kind support of Sri Sathya Sai Central Trust, hosts a range of cutting-edge instruments and laboratories as listed here. It has significantly strengthened the research facilities at SSSIHL by providing state-of-the-art infrastructural facilities under a single roof.

This has allowed faculty, post-doctoral fellows, doctoral students, and postgraduate students at the Institute to accelerate their research work in all the major research areas of the Faculty of Sciences - Health, Energy, and Environment. It enables them to keep pace with the scientific developments taking place globally, and as a result, their research findings are being published in peer-reviewed high-impact journals. These concerted efforts to conduct research in cutting-edge areas of Science and Technology help contribute to the needs of society at large. Full-time technical assistants with specific expertise operate and maintain the instruments and laboratories.

SSSIHL CRIF facilitates the strengthening of interdisciplinary health-related research collaborations between SSSIHL and Sri Sathya Sai Institute of Higher Medical Sciences (SSSIHMS). Some of these include Regenerative Medicine & Tissue Engineering, Rapid Detection of Endemic Diseases, Diabetic Retinopathy, Development of Cost-Effective Multi-Modal Microscopes, SPCE-based Point of Care Devices, etc.

## Core Facilities

The following core facilities at CRIF are shared resources, offering a range of services to the research community at SSSIHL:

- Femto Fab Facility
- Electron Microscope Facility
- NMR & Mass Spectrometry Facilities
- Materials Characterization Facility
- Powder X-ray Diffractometer
- Vibrating Sample Magnetometer
- Thermal and Optical Characterization Facilities
- Liquid Nitrogen Facility
- Central Utilities Facility
- Optical Imaging and Integration

## Laboratories

In addition, CRIF hosts the following labs:

- Wet Chemistry Laboratories
- Functional Materials Laboratory
- Water Research and Electrochemistry
- Biosafety Laboratories: Level 1 and Level 2
- Functional Glasses and Ceramics Laboratory
- Nonlinear Optics Laboratory
- Computational Science and Plasmonics





## Collaborators

SSSIHL has successfully forged several research collaborations with leading organizations across India and abroad.

## Academia & Research

- ICAR-Indian Institute of Horticultural Research, Bangalore
- Indian Institute of Technology, Madras
- Indian Institute of Technology, Kharagpur
- FDA-Center for Biologics Evaluation and Research, USA
- Indian Institute of Science Education and Research, Mohali
- Indira Gandhi Centre for Atomic Research, Kalpakkam
- University of Maryland, USA
- The Institute of Bioinformatics and Applied Biotechnology, Bangalore
- Raman Research Institute, Bangalore
- New Jersey Institute of Technology, USA
- Tata Institute for Fundamental Research, Mumbai
- Madras Diabetes Research Foundation, Chennai
- Clemson University, USA
- Geological Survey of India, Hyderabad
- Indian Institute of Science, Bangalore
- Universidad del Norte, Colombia
- National Institute of Nutrition, Hyderabad
- The Sahlgrenska University Hospital, Sweden
- Baylor College of Medicine, USA
- CSIR-National Chemical Laboratory, Pune
- University of Wollongong, Australia
- University of Colorado, USA
- International Centre for Genetic Engineering and Biotechnology, New Delhi
- National Institute of Pharmaceutical Education & Research, Hyderabad
- Japan Advanced Institute of Science and Technology, Japan
- CSIR-Indian Institute of Chemical Technology, Hyderabad
- Institute for Photonics and Nanotechnologies, Italy
- Dr. Reddy's Institute of Life Sciences, Hyderabad
- Central Leprosy Teaching and Research Institute, Chennai
- Centre for Materials for Electronics Technology, Pune
- CSIR-Central Drug Research Institute, Lucknow
- National Animal Resource Facility for Biomedical Research, Hyderabad
- CSIR-Central ElectroChemical Research Institute, Karaikudi
- Uppsala University, Sweden
- George Mason University, USA
- Oak Ridge National Laboratory (ORNL), USA
- Centre for Incubation Innovation Research and Consultancy, Bangalore
- Macquarie University, Sydney, Australia
- Industrial Research and Consultancy Centre, IIT-B, Mumbai
- LV Prasad Institute, Hyderabad
- BITS, Hyderabad
- AIIMS, New Delhi
- University of Leeds, Leeds, UK
- IISER, Berhampur
- IBAB, Bangalore
- College of Science, King Saud University, Riyadh, Saudi Arabia
- Central Food Technological Research Institute, Mysore
- University of Agricultural Sciences, Bangalore
- Tuskegee University, USA
- Regional Centre for Biotechnology, Faridabad, Haryana
- Banaras Hindu University
- SRM Institute of Science and Technology, Chennai

## Industry

- Agilent Technologies India Pvt. Ltd.
- Twastrix, Pune
- Omix Research & Diagnostics Laboratories Pvt. Ltd., Bangalore
- Lab Engineers, Bangalore
- Labby Inc., USA
- Insta Power Ltd., New Delhi
- Symrise Pvt. Ltd., Chennai
- Indras Pvt. Ltd., Hyderabad
- Syngene International Ltd., Bangalore
- Mylan Laboratories, Bangalore
- Xheme Inc, USA



# Central Research Laboratory (CRL)

**Central Research Laboratory (CRL) is located at the Anantapur Campus of Sri Sathya Sai Institute of Higher Learning and is custom-designed to cater to the research aspirations of the faculty and students from the campus. Inaugurated in August 2019, CRL houses laboratories for Wet Chemistry, Material Synthesis, and Characterization.**

*In the field of science today, there is great emphasis on research and discovery. But, unless the results of research are applied in practice, it will be an expensive futility. If all the time is spent on research, when is it to find useful applications in practice? Nor is there any sense of discrimination in the promotion of research...Those engaged in research seem to be more concerned about boosting their name and fame by their research than about promoting public well-being through the results of their research. Nor do they seem to be bothered about the harmful consequences of their discoveries...The scientific knowledge we acquire must be used for the benefit of our fellowmen.*

**Sri Sathya Sai Baba**  
Revered Founder Chancellor, SSSIHL

Based on the guidelines laid down by the Founder-Chancellor, Sri Sathya Sai Baba, the research activities at the Sri Sathya Sai Institute of Higher Learning are pervasively translational, socially relevant, and intended to have a rural reach. The research work in which the faculty and students are involved encompasses three broad areas: Health, Environment, and Energy. CRL is intended to be extensively used by postgraduate and doctoral students, as well as the faculty of the campus. The following core facilities and laboratories are the shared resources of the research community at the Anantapur Campus of the SSSIHL

- Wet Chemistry Laboratories
- Materials Synthesis Facility
- High Temperature Facility
- Characterization Facility

In addition, researchers will also have access to the SSSIHL Central Research Instruments Facility (CRIF), based at the Prasanthi Nilayam Campus.



# Research Areas

## Biosciences

### Antimicrobial Resistance

The AMR laboratory is involved in understanding the fundamental principles involved in the acquisition of antimicrobial resistance determinants and their dissemination among clinically relevant pathogenic bacteria and applies this knowledge to develop tools for rapid, point-of-care diagnostics to support bedside treatment of drug-resistant bacterial infections. We have developed AMRx™, a patented culture-free digital diagnostic tool for the prediction of Urinary tract infections, infecting organisms, and their antibiotic susceptibility. The technology has been Licensed to SCINNV Biosciences Pvt Ltd, Hyderabad. The Govt. of Andhra Pradesh has incorporated the AMRx™ tool as part of their digital Dr. Care portal for supporting clinicians in the improved prescription of empirical antibiotics in the Public Health Centers (PHCs) and Community Health Centres (CHCs).

### Disease Biology

#### Protein Aggregation Diseases

In Huntington's Disease (HD) we have demonstrated using multimodal MRI that changes in brain volume, fractional anisotropy, apparent diffusion coefficient, metabolic changes, and glucose utilization precede the onset of symptoms. Further, using metabolomic analysis we have demonstrated the deregulation of metabolic pathways in pre-symptomatic and symptomatic patients which overlap with deregulated metabolic pathways in the yeast model of HD. Using metabolic addition and gene knock-out experiments we have demonstrated that these pathways modulate mutant aggregation in yeast models of HD. B6, B12, and folate could mitigate mutant Huntington aggregation potentially by modulating deregulated metabolic pathways. Our results show that early intervention during the pre-symptomatic stage in genetically susceptible individuals by maintaining metabolic homeostasis might help in better management of the disease.

**In Amyotrophic Lateral Sclerosis (ALS)** using publicly available data sets we showed oxidative phosphorylation as a common deregulated pathway across data sets. Further, using the yeast model of ALS we demonstrated complex III and IV modulated aggregation of wild-type and mutant FUS and TDP43 with implications for disease. The addition of metabolites from deregulated pathways like Glutathione, short-chain fatty acids, and Nicotinic acid cleared TDP-43 aggregates. Ginseng and its component flavonoids and Ginsenosides could clear FUS/ TDP-43 aggregates.

**In Alzheimer's Disease**, an integrated multi-omic analysis was carried out which showed a role for vitamin B2, B5, and B6 as potential therapeutic agents in the disease.

**Dengue:** Integrated clinical and metabolomics analysis showed an association of molecular signature with different phases of dengue infection. These molecular signatures correspond to host and parasite-related responses.

## Cardiovascular Disease

**Cardiovascular diseases (CVDs)**, including coronary artery disease, heart failure, and stroke, are global leading causes of morbidity and mortality. Conditions like hypertension, hyperlipidemia, and lifestyle factors contribute to these diseases. Major adverse Cardiovascular Events (MACE), and serious outcomes from CVDs, are key measures in clinical trials for evaluating treatment efficacy. Notably, disparities exist in cardiovascular health between rural and urban populations. Rural communities face higher CVDs and MACE burdens due to limited healthcare access, prevalent risk factors, and unique socio-economic challenges. This necessitates targeted research and interventions. Metabolomics, the study of small molecules in biological fluids, provides insights into CVD diagnosis, treatment, and prevention, offering novel avenues for targeted research. In this regard, plasma samples from myocardial infarction patients at Sri Sathya Sai Institute of Higher Medical Sciences, Prashantigram, are being analyzed using a metabolomic approach to identify potential signature profiles.

### Retrospective Study of Percutaneous Transluminal Coronary Angioplasty (PTCA)

Percutaneous transluminal coronary angioplasty (PTCA), a procedure to open blocked coronary arteries, has grown exponentially since its introduction in 1977. Despite advances, restenosis, the re-narrowing of stented segments, is a common issue, often resulting in further procedures. A retrospective study is being conducted in collaboration with Sri Sathya Sai Institute of Higher Medical Sciences, Whitefield Bengaluru, to understand short- and long-term outcomes of PTCA patients by analyzing risk factors and lab parameters. Objectives include examining mortality and restenosis about various factors such as LVEF and serum creatinine levels at admission or high sugar levels. The study also explores whether gender influences late admission and whether blood pressure reduces after PTCA.

## Fungi in Health and Environment

### Exploring Bioactive Compounds of Endophytic Fungi Associated with *Swietenia Macrophylla* and *Bauhinia purpurea*

Endophytic fungi identified as *Alternaria alternata* BRN 05 and *Nigrospora sphaerica* BRN 01 were cultivated in two different media - full-strength (FS) and quarter-strength potato dextrose broth (QS). We conducted a comprehensive metabolic profiling of the crude extract using LC-MS-QTOF, both in positive and negative modes. Targeted analysis of the extract was performed using a library of approximately 850 metabolites, with each molecule's conformation determined through Metfrag, a bioinformatic software, and literature references. The metabolites were classified based on their occurrence in the respective media. Unique metabolites were found exclusively in the QS media, while others were common to both FS and QS. For untargeted analysis, we utilized GNPS and Classical molecular networking, and the resulting data were analyzed using the Cytoscape software.



Furthermore, we conducted in-silico studies employing ensemble docking and molecular simulation studies to understand the interactions between the identified compounds and alpha-glucosidase. To assess cytotoxicity, we performed cell viability assays using normal cell lines.

### Microbes in Waste Water

Our focus is on identifying potential fungal isolates collected from domestic wastewater treatment plants for exploring their bioremediation properties and their effectiveness in the biomedical field. Three *Aspergillus* isolates which are molecularly identified, showed prominent results concerning remediation of dyes and biomedical activities. *Aspergillus tamarii* has shown good biosorption ability on two commercially used textile dyes Malachite Green and Reactive Black 5, both being carcinogenic to living beings and affecting the environment adversely. *A. tamarii* decolorized 95% of the said dyes up to 100 mg L<sup>-1</sup> concentration. Treated samples were further investigated based on the spectroscopic and chromatography methods for any toxic by-products, which was then tested against living specimen (bacterial strains from wastewater). It showed no adverse effect on them and the fungal biomass could be regrown after taking up the dyes.

### Fungal Biotechnology: Potential Applications of Fungi for Micro-pollutant Degradation

Organic micropollutants are persistent and occur in the environment in concentrations ranging from a few ng/L to several ug/L. The widespread presence of micropollutants in the environment has become a major cause of concern. The focus of our research is to harness the potential of locally isolated fungi for organic micro-pollutants remediation. In this regard we have isolated fungi from wastewater and soil namely MDWWF-2,5,6 and 8, and two novel strains of *Aspergillus arcoverdensis* and *Aspergillus melleus* which have shown the potential against selected micropollutants (Triclosan, malathion, methoxychlor, diclofenac, ciprofloxacin, etc.). Currently, we are working on finding out the best and most economical mechanism to counteract the pollutants, which includes intra-extra cellular enzymes and later the applications to treat the contaminated water.

### Wastewater Analysis, Treatment, and Energy Recovery

Treated wastewater has assumed a lot of significance in water-stressed regions. There is a need to devise low-cost, low-maintenance approaches towards the treatment of domestic wastewater so that it can be disinfected and reused for secondary, non-potable applications. The WATER laboratory in the Department of Biosciences focuses on problems associated with the development of affordable methods for wastewater analysis, treatment, and energy recovery. The work presently underway involves the optimization of operational parameters for the treatment of domestic sewage in the STP located in Prasanthi Nilayam using plant-based coagulants.

### Protein Structure and Function

Protein Structure and Function laboratory focuses on understanding the structural and functional dynamics of

proteins using in vitro and in *silico* experimental methods. Making use of the fundamental knowledge obtained, we also explore using the proteins for various biotechnological applications. Specifically, we focus on revealing the moonlighting enzyme function of oxygen carrier proteins - Hemocyanins and apply the biomacromolecules in the fabrication of enzyme-based biosensors. Further, we also carry out Computer Aided Drug Design and Discovery targeting proteins involved in infectious and non-infectious human diseases. Our efforts involve virtual screening with natural product libraries by molecular docking followed by molecular dynamics simulations.

## Chemistry

### Anti-cancer Drugs

Cancer is caused when cells divide uncontrollably and start to spread into surrounding tissues. Quinazoline, pyrazolopyrimidine, and pyrimidinyl-thiazoles are three important pharmacophores that are most widely seen in small molecular anti-cancer drugs used as kinase inhibitors. In the current study, novel molecules containing these active fragments are synthesized and studied to understand their inhibitory activities against various cancer types. Molecules with promising anti-cancer activities will be further evaluated for their selectivity in inhibition of certain cancer types, and the mechanism of inhibition involved.

### Atmospheric Chemistry

Air pollution studies related to aerosols and volatile organic compounds (VOCs) and persistent organic pollutants (POP) are being carried out in various metropolitan cities in India. Studies related to the determination of reactive oxidation species present in particulate matter (PM10 and PM2.5) are carried out using yeast and cellular studies. Development of carbon-based adsorbents for preconcentration of highly reactive volatile organic compounds. Development of analytical techniques for the screening and the quantification of microplastics, organic and inorganic compounds in complex environmental matrices based on LC-MS-QQQ, LC-MS-QToF, and MP-AES are also been carried out.

### Synthesis of Small Molecules with Potent Biological Activity

*Andrographis paniculata* is an Ayurvedic herb known for its medicinal activities. Andrographolide, the main constituent of *Andrographis paniculata* and its analogues, possesses anti-cancer, anti-inflammatory, anti-bacterial, anti-diabetic, anti-HIV, FXR antagonist, and hepato-protective properties. In this regard, we have synthesized several derivatives of andrographolide, isoandrographolide and 12-hydroxy andrographolide and extensively studied for their anti-cancer properties. Pyrazole-andrographolide derivatives have been synthesized and their anticancer activity has been carried out. The mechanism of anticancer activity of these novel compounds has also been investigated. These compounds have also been investigated for their activity against SARS-COVID-19 by in silico studies. Arjunolic acid, an active



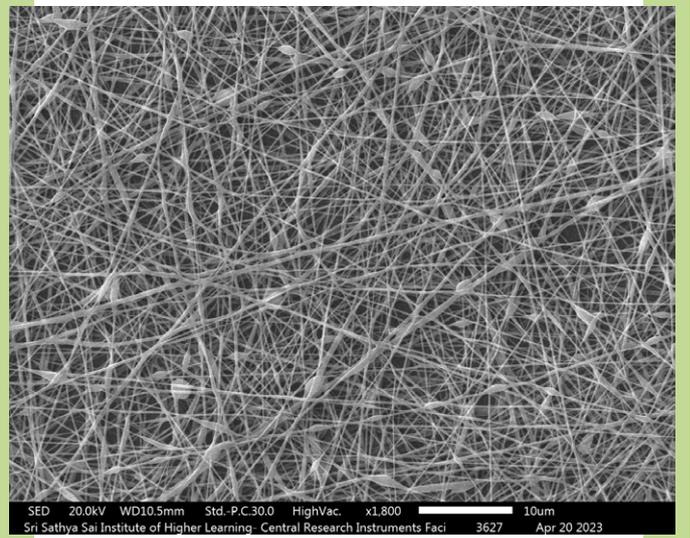
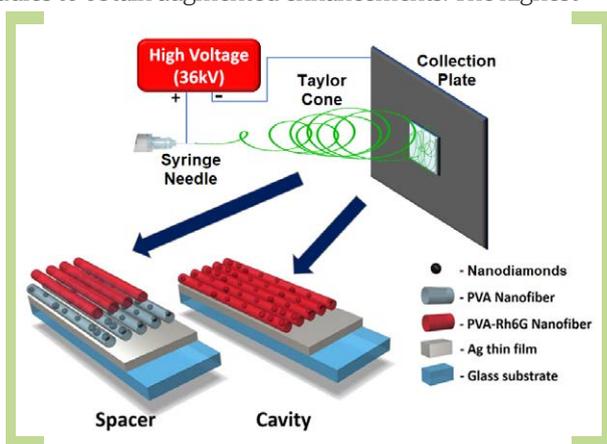
component from *Terminilia arjuna*, is known to possess cardioprotective properties against myocardial necrosis. A novel method of isolation of arjunolic and asiatic acid has been developed. Various derivatives of arjunolic acid have been synthesized and their anti-cancer properties have been explored.

### Designing Non-toxic Polymer Nanocomposites for Next-Generation Biomedical Devices

Polyvinyl chloride (PVC) is one of the widely used polymers in biomedical devices and in the health industry in general. It has favourable properties for use in various applications such as mechanical, optical, etc. It is rigid and thus necessitates the use of a plasticizer to obtain the desired flexibility which is important in many applications. Plasticizer not only ensures sufficient flexibility to the polymer but also alters the glass transition temperature which is important for many applications. DEHP happens to be one of the most widely used plasticizers. Though DEHP supersedes many plasticizers it too has many drawbacks. Designing new plasticizer molecules to overcome the harmful effects of these plasticizers through computational modelling is the aim of this work. In this regard, DFT calculations have been performed on various plasticizers, and different facets of  $\text{CeO}_2$  to understand their properties using an open-source software package quantum Espresso. The next step would be interaction studies, important in designing novel polymer nanocomposites for next-generation biomedical devices.

### Electrospun Nanofibers for Fluorescence-based Sensing Applications: An Eco-Friendly and Cost-effective Transition from 2D Nano Thin Films to 1D Nanofibers

Low-dimensional polymeric nanoscale materials such as 2D thin film materials and 1D nanostructures have gained attention in the areas of composite structures, electronics, biosensors, and plasmonics. Of these, 1D polymeric nanofibers have been utilized for various applications over two decades and are seen as potential replacements for thin films due to their excellent physical and mechanical properties. Among the several methods to fabricate 1D nanostructures, electrospinning is a well-established, versatile, and cost-effective technique for the production of nanofibers at submicron levels. The synthesis of electrospun PVA nanofibers doped with Titania nanoparticles (NPs) and nanodiamonds was developed and utilized in plasmon-coupled fluorescence studies to obtain augmented enhancements. The highest



enhancements were about 150-fold which are comparable with 2D thin films. The nanofibers presented emission enhancements that are greater and highly polarized even at increased concentrations of PVA vis-à-vis thin films that show dual polarizations at higher concentrations of PVA. These results show that 1D nanofibers can be used as green & low-cost replacements for 2D nano-thin films.

## Education

### The Effect of Value Integrated Constructivist Approach on Academic Achievement and Development of Life Skills Amongst Secondary School Students

Constructivism is a school of thought that prioritizes meaningful learning and highly values a child's innate abilities. Constructivism with conscious value integration would increase students' academic ardor, as well as their openness to scientific concepts and their ability to put skills to use in the real world. The fundamental objective of this research is to establish a link between the individuality of the mind and the learning process to develop a strong value system that will lead to the development of abilities (life skills).

### Effect of School Environment in Promoting Psychological Wellbeing of Adolescents

Psychological well-being is a state of developing a sense of purpose, self-esteem, and optimism in life. At adolescence, students face a lot of stress and strain due to the changes in all dimensions of their personalities. School is an important agency that can address the needs of adolescents about the problems related to self. The current study aims to highlight the practices, policies, and environments of schools that are congenial for their psychological development.



## Food And Nutritional Sciences

### Metabolomic and *in Silico* Assessment of Antiviral Activity against SARS-CoV-2

As part of doctoral research on the therapeutic potential of indigenous food crops, a preliminary study was conducted to assess the antiviral activity of three Indian red rice cultivars through a metabolomic and *in silico* approach. The three indigenous cultivars examined were found to be good sources of different antiviral phenolic metabolites. Among the studied red rice phenolic metabolites, 7,4'- dihydroxyflavone and eriodictyol exhibiting high binding capacity with SARS-CoV-2 main protease were identified as natural inhibitors and as potential candidates for antiviral drug development. The traditional rice variety *Kuzhiadichan*, abundant in eight antiviral metabolites, was identified as a potential functional food for the dietary management of COVID-19.

### Nutritional Profiling of Food Materials for Combating Mineral Malnutrition

Overcoming micronutrient malnutrition is a prerequisite to ensure holistic development. This project centers on finding a cost-effective dietary measure for preventing and managing mineral malnutrition. As part of the research study, several Indian pigmented rice varieties were analyzed for essential and heavy minerals using the energy-dispersive X-ray fluorescence technique (ED-XRF). The germination conditions and other agronomic bio-fortification parameters were standardized for a few selected pigmented rice varieties and ED-XRF analysis was performed. A significant enhancement of essential mineral content was observed in the bio-fortified varieties of rice. Anti-mineral components such as phytate will be also analysed. An *in vitro* digestibility protocol that simulates the human gastrointestinal system has been standardized and will be used to determine the bio-accessibility of essential minerals such as iron, zinc, and calcium. Bioavailability studies using cell line models are envisaged.

### Novel Functional Food Approaches for Metabolic Diseases

Functional foods and nutraceuticals have emerged as alternate approaches with therapeutic and health benefits. The present work focuses on screening and identification of functional foods and nutraceutical ingredients through food metabolomic databases. Development of novel functional food products using evidence-based functional ingredients for the management of metabolic diseases like obesity and diabetes using an integrated approach will be undertaken. The functional efficacy of developed functional food products will be carried out using *in vitro* assessment protocols as well as through glycemic response and satiety studies in human subjects.

### Nutrition Care Plan (NCP) in Hospital Setting

Malnutrition contributes to hospital morbidity, mortality, costs, and readmissions. The malnutrition risk screening on admission becomes imperative. If screening identifies malnutrition risk, a nutrition assessment is required to create

a nutrition care plan. Patients with inadequate intake over time may develop potentially fatal refeeding syndrome. Hence, the study aims to develop a modified screening tool to facilitate a rapid nutrition screening of inpatients, develop and evaluate low-cost nutrient-dense feeds in comparison to the commercial formulas, and development of educational material to disseminate nutrient information during the convalescent period for providing nutrition care continuum. The nutrition care plan guides how nutrition therapy is provided, monitored for adequacy, and assessed for achievement of nutritional goals.

### Holistic Nutritional Approach to Combat Iron Deficiency Anemia in Adolescent Girls

Iron deficiency is the most commonly observed nutritional deficiency in the world and also the most common cause of iron deficiency anemia. Iron deficiency management is usually in the form of supplementation of iron tablets. However, poor iron absorption capacity and incorrect nutritional practices have hindered the management of anemia. Increasing the absorption of iron through locally available foods may serve as an alternative to dietary supplements which often have a higher gastrointestinal load. Further research is needed to understand the relationship between iron absorption and human gut microbiomes and the mechanisms by which food products modulate commensals. Hence, the purpose of this research is to assess the efficacy of a holistic nutritional approach, including dietary intervention, to study the role of a synbioticated iron-rich food product in enhancing iron absorption, as well as the role of nutrition education in the management of anemia in adolescent girls. This study could be a significant step towards empowering adolescent girls by breaking the vicious cycle of intergenerational iron deficiency anemia.

### Organic Ready-to-Eat and Ready-to-Use Products

#### Ready-to-use Organic Tomato Concentrates: A Better Culinary Alternative

The development of ready-to-use organic tomato concentrates is one effective way of reducing postharvest losses of organic tomatoes. By transforming the perishable tomatoes into concentrates, the product has a longer shelf life, allowing



for reduced wastage and extended utilization of the organic crop. Further, cost-effective technology for producing these concentrates enhances their accessibility, making them viable for small-scale farmers or entrepreneurs. Free from synthetic pesticides, herbicides, and GMOs, organic tomato concentrates offer a healthier alternative compared to conventional products ensuring a more natural and wholesome choice among health-conscious consumers for wide culinary applications. Henceforth, research has been carried out to standardize the development process of 100% organic tomato concentrates, which have a higher yield, increased shelf stability, and consumer acceptability. Overall, the development of organic tomato concentrates could pave the way to minimize postharvest losses, offer a healthier culinary option, and provide economic growth opportunities for small-scale stakeholders in the organic tomato farming sector.

#### **Organic Sweet Lime Chips: A Novel and Cost-Effective Ready-to-Eat Product**

Organic sweet lime chips are innovatively developed using the vacuum-assisted osmotic dehydration technique. The low energy-intensive process ensures that the product retains the natural goodness of sweet limes while increasing the



shelf life of fresh fruits. As a part of current research, healthier and traditional alternatives to sugars such as palm sugar and jaggery were used as osmotic agents for the development of organic sweet lime chips. The variables such as concentration of the osmotic solution, drying techniques, process time, and temperature were optimized, and the interaction of these variables in developing the acceptable product was also studied. The resultant product retained superior organoleptic properties and phytochemical content. Therefore, these shelf-stable, organic sweet lime chips are an enticing choice for consumers seeking both taste and wellness in their consumption habits.

#### **Gluten-Free Multigrain Snacks**

With the paradigm shift in consumer behavioral patterns, classic foods like bread, muffins, and snack bars have become alternatives to full-fledged meals. Snack foods are adaptable

foods composed of nutritious grains, fruits, nuts, and sweeteners that can be used as a perfect meal replacement. The right combination of nutrients, including proteins, calories, carbs, fat, minerals, and vitamins, is provided by snack foods, which are ready-to-eat, handy, and nutritious. Snack bars are a popular choice among consumers irrespective of age since they are ready to eat, nutritionally balanced, and have additional health benefits. Innovative therapeutic snacks can be utilized as a multipurpose food for weight reduction, athletes, undernutrition, and physiological stress conditions. The primary objective is to create several snack foods utilizing locally accessible ingredients and assess the nutritional value and potential health benefits.

#### **Valorization of Green Leafy Vegetable Processing Waste as a Source of Antioxidants**

Food processing by-products which are discarded as waste affect the environment. These byproducts are sources of valuable components like fiber, pectin, antioxidants, and other phytochemicals. Research is being carried out to assess the efficiency of these by-products as a source of pectin, fiber, and antioxidants and their utilization in foods. Pectin and fiber extracted from fruit processing byproducts were utilized in developing yogurt and crackers and proved to be efficient as stabilizers and fiber sources in the developed products. Green leafy vegetable processing wastes have been studied for their potency as sources of antioxidants and were tested for their efficiency in preventing the rancidity of edible oils. The samples were efficient in preventing the rancidity of edible oils when tested under different experimental conditions.

#### **Monitoring Food Quality Through Advanced Chemical and Analytical Techniques**

Consumption of quality-compromised or adulterated food may lead to immediate to chronic health issues with mild to severe symptoms. Ensuring access to quality food products, be it fresh produce or processed, is a challenge, especially in developing countries like India. A recent study conducted by us found that the occurrence of adulteration or contamination is even higher in the foods purchased from unorganized sectors, as compared to their packaged counterparts. Another analytical study conducted by us on Indian branded pickles revealed the extent of mislabeling cases in India, indiscriminate use of the word "ORGANIC" for marketing purposes, and found the presence of unpermitted preservatives in so-called organic pickles. The main focus of the ongoing research in this area is to develop chemical, analytical, and image analysis-based techniques for the trace-level detection of potentially hazardous adulterants in versatile food matrices.



## Humanities And Social Sciences

### Economics

#### Financial and Macroeconometric Modelling

Research at the Department of Economics is primarily focused on financial and macroeconomic modeling leading to policy analysis on the domestic and international economies. While the studies relating to economic policies, financial markets, and their interlinkages in emerging economies were taken up on the international front, the research on the domestic economy concentrated on diverse issues relating to various aspects of the Indian economy. These include topics like the *Impact of Renewable Energy on the Mitigation of CO<sub>2</sub> emission*, *Investigating the Association of Selected Economic Indicators to the Equity Market of India Using ARDL Approach*, *Approach Towards Capital Account Liberalization: From India's Perspective*, *India's Exchange Rate: Post Structural Reforms and Indian Agriculture and its Climatic Sensitivity*. The research scholar worked in the area of determining the exchange rate of India and Nepal. His results have shown that in both these economies, the exchange rate is determined by their economy's economic fundamentals.

The exchange rate is an important macroeconomic variable that influences internal and external balances. Nepal follows a dual exchange rate such that the Nepali rupee (NPR) is pegged with the Indian rupee (INR) but floats with the United States dollar (USD) and all other currencies. There have been very few studies on the exchange rate of Nepal, of which the majority focus on the bivariate relationship between the exchange rate and another variable. However, this paper analyzes the multivariate relationship between the USD-NPR exchange rate and major macroeconomic variables. Determinants of Nepal's exchange rate have been derived with multiple regression using the ordinary least square (OLS) approach. Since the explanatory variables could not significantly capture the movement of the dependent variable, a long-run relationship between Nepal and India's exchange rate has been analyzed using Engle-Granger cointegration to establish a relationship as suggested by a graphical representation. This explains that Nepal's exchange rate in the long run is determined by India's exchange rate rather than its own fundamentals. In addition, the macro-linkages of Nepal's macroeconomic variables have been analyzed using Standard Vector Autoregressive models followed by impulse response analysis which is useful for policy decisions. Some policy implications indicating the sustainability of Nepal's pegged regime have been drawn based on the empirical analysis.

The research is quantitatively oriented, relying on leading-edge techniques in statistics and econometrics in delivering research publications of a high standard. Apart from producing high-quality research publications in reputed national and international journals, the faculty at the department have also been regular participants in the conferences and seminars conducted by prestigious institutions across India.

## Languages & Literature

### English

#### An Indian Philosophical Reading of Iris Murdoch's Novels

Iris Murdoch, a well-known novelist cum philosopher, has mostly been a major part of Western scholarly research. Though many Indian scholars have studied her works, it has mainly been through the Western philosophical lens. This thesis, on the other hand, attempts to make an interesting contribution to Iris Murdoch's studies, drawing on some fascinating sources, like the original commentaries from the archives. The work aims to inspire the interested and the most receptive audience. The archival element makes the work more novel and original in nature. Also, the interdisciplinary nature of the work attracts readers interested in philosophical and theological approaches to literature. The work will also focus on the complexities of power identity, morality, and ethics and their perception among the Indian audience. The work also intends to convey the intellectual, cultural, and philosophical influences of Murdoch's work in an Indian context. The emphasis will be on how Murdoch's works are interpreted by readers, particularly, in India. These interpretations will, in turn, be compared with readings in other parts of the world. This work will help the readers gain a better understanding of the complex themes present in Murdoch's novels. It has national relevance as the work tries to bring a confluence of Eastern and Western philosophical concepts.

#### Comparative Poetics: Sanskrit and English

Speech, the most used medium of communication, is delivered in countless languages. But now, when even new languages are formed and used the oldest tongue of India, Sanskrit has taken a backseat. Sanskrit is known as the Deva Bhasha or the language of Gods. It has rich poetics, grammar, and literature. In the modern age, even in India, we read, analyse, and form opinions on literature based on Western theories. These same Western theories which are recently formed owe their origin to Sanskrit theories dating back from the 2nd to 11th centuries. Through this research, the Sanskrit literary theory of Dhvani and its various kinds are used to analyse English poetry. This research has national relevance as it magnifies the richness of Sanskrit which has faded into insignificance in this era.

#### The Neo-Vedantic 'Self' in Romantic Poetry: (Wordsworth's 'The Prelude')

In this 'post-human' world, the idea of a cohesive, integrated Self has become problematic and challenging. It has an impact on the way humans perceive themselves and the world they inhabit. In my thesis, I strive to prove that the idea of a disunified, fragmentary Self is the outcome and natural progression of the essentialist, rational Self of the Western Enlightenment. However, Eastern indigenous cultures do not believe in the inherent dichotomy between the Self and the world, a predominant Western construct. Neo-Vedanta talks of the Self, moving towards gradual unity and Transcendence



from duality. This is echoed in Romantic poetry and my thesis brings in a conjunction between these two world-views. In today's fragmented world, the concept of the spiritual Self as a true centre of unity will go towards healing this world.

### **An Eclectic Approach to a Conceptual Framework for Workplace Communicative Competence**

In an age of tectonic shifts in communication due to rising social media, AI, and Machine Learning, technical proficiency, and high-end business degrees are not sufficient. Communicative Competence raises people from a state of complacency to creative storytellers, innovators, explorers, and those who bring business to a company. In the field of Applied Linguistics, my research work identifies the need for an eclectic framework of 'Communicative Competence' to cater to the all-inclusive communicative needs of the Indian workplace. This empirical study strives to develop a comprehensive linguistic testing kit to test communicative competence in communication-intensive sectors in the Indian workplace. The research work aims to provide an eclectic framework based on the pioneers in linguistics. The contribution of the study will have both an academic and social impact as the proposed eclectic communicative competence framework will assess the various indicators of communicative competence among employees and also enable them to identify and apply appropriately all components of communicative competence in any given speech act.

### **Study of Climate Crisis and its Impact on Human Life in the Select Novels of Amitav Ghosh**

Environmental concern is one of the most debated areas of study in recent times as many prominent writers and critics have voiced their concerns about it and on it. Climate Change novel (Cli-fi) is one of the offshoot fields of ecocritical study. It has attempted to highlight the drastic effects of climatic change and its impact on human life. It offers a scientific approach to understanding the crisis that might befall life in the future. The research aims to understand the aspects of Climate Change Fiction in the writings of Amitav Ghosh and to analyse its impact on readers and their response to the crisis. The research seeks to create awareness among the young generation to be conscious of the environmental crisis and will help them understand that the crisis brought forth by climate change is not a hoax or just a random theory to be debated upon.

### **Cognitive Poetics Study of A K Ramanujan**

A cognitive poetics study of A K Ramanujan's poems originally written in English, will systematically account for the cognitive domains of Ramanujan's conceptual universe probably, was constructed, and by which it probably would be most consciously and conscientiously read. In doing so, the study aims to both reveal and enlist the power of Ramanujan's poetry to think about thinking while also systematically leading the reader-scholar toward their Indian experience, culture, and context by relying on their available text corpus. Thus, a cognitive poetics study that combines the insights of the contemporary sciences and humanities, can actively enhance the lives of socially committed and personally satisfied readers who hold the potential to become responsible

writers. Therefore, a cognitive poetics pursuit is no less than a contribution to a life well lived.

### **Trauma Studies in Kashmir Literature in English**

The research aims to study the trauma of Kashmiris as portrayed in literature. The study looks forward to exploring how the collective national trauma as well as intergenerational trauma can be addressed from the Trauma Studies perspective to get an all-inclusive academic understanding of real human experience. The topic is widely discussed in the literary/academic fields under various subcategories.

### **A Study of the Testimonies on Exile and Memory in Palestinian Literature**

This research aims to study various facets of traumatic memory and exilic narrativity based on the memoirs written after the Palestinian exodus. It tries to analyse how the exiles responded to their new lives, and how memory and traumatic experiences helped them in redefining a national identity.

### **A Study of Space, Place, and Species in Selected Narratives from the Hills of North East India**

To continue living in a world marked by a deepening ecological crisis, we must seek various models of sustainable solutions. Though many narratives from around the world such as folklore, oral narratives, witness narratives, and films have been analysed from a range of ecological perspectives, narratives from the hills of North East India to the best of my knowledge, have not been analysed from an eco-cultural perspective. Therefore, this research is an attempt to analyse a range of selected narratives from the hills of North East India, identifying ecocultural keystones that are specific to such geographical locations. This study will focus mainly on how such narratives have always been a site of affective engagement with space, place, and species.

### **Social Narratives and Indian Poetry in English**

This Research will help fellow researchers to understand the concepts of Narratology, Narrative discourse, and socio-narratology to an extent. Narrative poems are not very common. These poems will make the reader experience the world of the Novel through verses. It will also motivate poem lovers to read Jayanta Mahapatra and his contemporaries. The readers will start reading a poem not like a set of stanzas or couplets but like a story. Looking at the narrative techniques in a poem will take the reader from a world of rhymes and rhythms to a world of narration. The readers will have a dual experience. They will enjoy the rhythm of a poem, relate themselves to the poet or the character in the poem, and stylistically analyze a poem.



## Management And Commerce

### Sustainable Consumption

#### Systematic Literature Reviews in Sustainable Consumption

The research focus is on compiling the existing extant literature in a scientific and methodical manner for providing insights to various industries and future research scholars. The industries studied include the sustainable fashion industry, luxury goods, durable goods, and Plant Based Meat Substitutes. The systematic reviews are carried out based on existing frameworks like PRISMA and SPAR-4-SLR. The analysis is based on various frameworks like ADO Framework, TCCM Framework, Hybrid frameworks, Theory-based reviews, etc. The research provides a comprehensive understanding of existing literature and a detailed discussion of future research agendas.

#### Spirituality – An Attitudinal Variable Among Other Factors that Drive Purchase Behaviour of Green Consumer Segment

The research work tests the effect of spirituality as one of the attitudinal determinants of green consumer behaviour. The study undertook spirituality as one of the factors along with others to test the hypothesis. Quantitative research was carried out and structural equation modelling was done to test the direction of the relationship between the variables under study. The research not only adds a new worldview to the existing literature but also carries important implications for Marketers, businesses, policymakers, and future researchers.

### Organizational Behaviour

#### Vulnerability in Leadership

The current study, having embraced an ambivalent definition of vulnerability, focuses on understanding the expression of vulnerability by top management across different industries in corporate India based on motivations of its imperative relevance in both academic and industry fronts. On the path of discovering vulnerability and disclosure, insights into accrued benefits including organizational citizenship behavior & and perceived leader effectiveness shall emerge, which could then be harnessed via leadership development programmes and associated interventions toward leadership development in India.

## Mathematics And Computer Science

#### Chemical Graph Theory

To study the physicochemical, biological, and pharmaceutical properties of chemical compounds, a lot of laboratory equipment is required. Since these experiments are time-consuming and expensive, an alternative method has been proposed to get rid of these constraints. The proposed method of predicting the required properties is nothing but finding the topological indices and performing QSAR/QSPR analysis.

The study of the topological indices helps us understand the physicochemical and biomedical properties of many chemical compounds. This research is mainly focused on predicting the physical, chemical, and biological properties of phytochemicals using topological indices. QSAR (Qualitative Structure-Activity Relationships) and QSPR (Qualitative Structure-Property Relationships) analysis will be carried out to study the physicochemical properties and bioactivity of the chemical structures and molecules using topological indices. This research outcome contributes to the Department of Medicine and Pharmacology. The predicted properties and correlation coefficients might help them in designing new antiviral drugs, composite drugs, and drug delivery systems.

#### Fractal Geometry, Fractal Interpolation and Approximation, Fractal Applications

Fractal geometry and fractal analysis have a wide range of applications in complex analysis (for example Julia and Fatou sets), dynamical systems, economics, mathematical finance (for example modeling stock prices through fractal times series), mathematical biology, computational biology (for instance Feigenbaum attractor, Lorenz attractor, Henon map), number theory (for example Fibonacci sequence), stochastics and many more scientific and engineering branches. Fractal interpolation is the generalized spline interpolation technique and also the most advanced interpolation technique which attracts researchers for the approximation of rough functions and interpolating certain data generated by a function whose certain derivatives are irregular in nature. The presence of the scaling factors in the structure of a fractal interpolant provides a large flexibility to its shape. Using fractal interpolation, one can produce not only irregular objects but also smooth curves by choosing the appropriate IFS and its parameters (scaling factors and shape parameters) on suitable compact spaces. The research in fractal applications includes Solutions of BVPs, Graph Directed Fractal Interpolation, Fractal Image Compression, Fractals and Biology, Scattered Data Interpolation, etc.

#### Computational Sanskrit Linguistics

Sanskrit is an ancient language that has existed for centuries. Its literature contains vast stores of knowledge on astronomy, mathematics, astrology, and other scientific topics - many of which are yet to be explored. Modern technologies such as deep learning, natural language processing, and reinforcement learning can help distill the contents of these ancient scripts' contents. However, the data available for Sanskrit is rather scarce and must be supplemented to maximize this potential. The main objective is to develop machine-learning systems that can accurately decipher ancient Sanskrit scripts. The ultimate goal is to create a robust artificial intelligence system that can interpret texts written in these scripts with remarkable accuracy. In this direction, we developed attention-based models for extractive and abstractive summarization tasks for Sanskrit documents. Currently, we are developing AI systems for the following tasks:



- Generate a commentary for a given Shloka
- Sandi splitting using AI models
- Perform Sentiment Analysis

### **Geometric Deep Learning (GDL)**

Geometric Deep Learning is a field in which we build neural networks that can learn insights from non-Euclidean data. Examples of non-Euclidean data types are Graphs, Point Clouds, and Manifolds. The Theory of Representation of Groups discusses the symmetry of a given Group. There are some developments in GDL using the symmetry of the Permutation Group. We are developing Deep Neural Networks for the segmentation of medical images using Clifford Algebras.

## **Physics**

### **Nanomaterials for Magnetic, Dielectric, and Electromagnetic Interference Shielding Applications**

Tin-doped magnetite ( $\text{Sn}_x\text{Fe}_{3-x}\text{O}_4$ ) nanoparticles-based polymer nanocomposites were developed for magnetic, dielectric, and electromagnetic shielding applications. The tin-doped magnetite nanoparticles were dispersed in PVDF polymer matrix and electroactive-superparamagnetic  $\text{SnO}_2\text{Fe}_2.8\text{O}_4$ -PVDF nanocomposite films were fabricated. The dielectric constant of the  $\text{SnO}_2\text{Fe}_2.8\text{O}_4$ -PVDF nanocomposite films was enhanced by the addition of conducting Lanthanum Nickelate ( $\text{LaNiO}_3$ ) nanoparticles. These composite films may be useful for energy storage applications. Also, the development of an absorption-dominant microwave shield with excellent shielding effectiveness was achieved by the addition of graphite to the  $\text{SnO}_2\text{Fe}_2.8\text{O}_4$ -PVDF nanocomposite films. The flexible films meet the commercial standards of shielding effectiveness for X-band frequency EM waves.

### **A Collaborative & an Exploratory Research Project on Implementation of Deep Learning Techniques for Biomedical/ Radiological Imaging with SSSIHMS & SSSIHL**

Department of Physics along with DMACS have jointly undertaken a project in the Department of Urology in detecting Extra-pulmonary Tuberculosis in CT-based radiological imaging. The Clinical research team has been actively engaged in developing a Deep learning-based tool to detect GUTB which has a unique issue of nonlocalized growth zones /disease progression, unlike other renal disorders. A new DL-based GUTB detection tool and a User Interface module have been developed for the clinical user to easily use the DL model for detection. More data collection and validation are in progress to complete the project.

### **Fabrication of Versatile Nanomaterials for Water Remediation which will Pave the way for State-of-the-Art Water Purification Technologies**

With zeal to help the local as well as the global populace in dealing with the colossal challenges of contaminated water, researchers at the Department of Physics have been developing versatile and multifunctional nanomaterials that

can simultaneously adsorb multiple contaminants from water thereby reducing the cost of water purification technology. These tailor-made, novel, and efficient nano adsorbents pave the way for the development of cost-effective water filter prototypes.

### **Ultrafast Fiber Lasers**

Ever since their invention in the 1960s, LASERs have taken Science and Technology to a whole new level of existence. Among different types of lasers, Ultrafast lasers have been a hot topic of research in the last few decades owing to their myriad advantages. Ultrafast lasers emit a train of ultrashort pulses whose timespans are of the order of pico/femtoseconds. Such ultrashort pulses are extremely useful for applications that require high temporal resolution, high energy, intensity, and power. This Research area involves the development, characterization, and optimization of ultrafast fiber lasers through experiments, mathematical modeling, and simulations. The study of new fiber lasers, novel materials for saturable absorbers, and the development of in-house characterization facilities are important features of this research work. These ultrafast lasers will find applications in areas like OCT, micromachining, microscopy, spectroscopy, and sensing.

### **The Femtosecond Micromachining for Lab-on-a chip Applications**

Optofluidic lab-on-a-chip applications utilize optical waveguides embedded in fused silica alongside micro-channels that provide paths for fluids to flow. These 'lab-on-a-chip' platforms can be used for a variety of biosensing applications through fluorescence-based detection, interaction of evanescent fields with the analyte in the micro-channels, excitation of surface plasmon polaritons, as well as a variety of interferometric schemes. Our research aims to fabricate and integrate microchannels, waveguides, substrates for surface-enhanced Raman scattering (SERS), and electrodes in fused silica using femtosecond laser micromachining, customized for constructing specific sensing devices.



# Funded Research Projects

**SSSIHL continues to pursue needs-based research that will help alleviate problems affecting the poorer sections of society. During the academic year 2022-23, the total value of ongoing projects at the University was ₹2.19 Crores.**

## Biosciences

Understanding the Mechanisms Involved in the Emergence of Heteroresistance among Enterobacteriaceae

**Indian Council of Medical Research (ICMR)**

**₹50 Lakhs**

Exploration of Simultaneous Fluorescence and Phase Contrast Optical Imaging Methods Using Novel Fourier Optical Techniques for System Biology Applications

**Society for Assistance International-USA**

**₹2.43 Lakhs**

## Food And Nutritional Sciences

Anti-diabetic Evaluation of Indian Pigmented Rice Varieties: A Mechanistic Metabolomic Based Approach

**Indian Council of Medical Research (ICMR)**

**₹24 Lakhs**

## Humanities And Social Sciences

### Economics

A Structural Model of the Current Account of India's Balance of Payments Under the New Economic Policy Regime

**Indian Council of Social Science Research (ICSSR) -**

**IMPRESS SCHEME**

**₹3.15 Lakhs**

## Mathematics and Computer Science

Time-Optimal Control Problems and Bifurcation Analysis of Coupled Non-Linear Dynamical Systems with Application to Pest Eradication

**National Board for Higher Mathematics (NBHM)**

**₹15 Lakhs**

Role and Interactions of Biological Markers in Causation of Type 1/Type 2 Leprosy Reactions: A In Vivo Mathematical Modelling with Clinical Validation

**The Council of Scientific & Industrial Research (CSIR)**

**₹15 Lakhs**

Insurance Fraud Classifier for Health Insurance.

**CAS Individual Grants Competition 2022**

**Casualty Actuarial Society, USA.**

**₹14 Lakhs**

## Physics

State-of-the-art, Low Cost, Dental Implant System Development Research Grant in Collaboration with Uppsala University, Sweden

**Swedish Medical Council**

**₹64.38 Lakhs\***

(\*Note: The grant money will be administered by Uppsala University, Sweden)

Neutron Induced Reaction Cross-Section Measurements on Structural Materials Using Direct and Surrogate Technique

**DAE-BRNS**

**₹31 Lakhs**



# Research Publications in Peer-Reviewed Journals

## Biosciences

- Sai Sanwid Pradhan, Raksha Rao, K., Meghana Manjunath, Saiswaroop, R., Durga Prasad Patnana, Kanikaram Sai Phalguna, Bibha Choudhary, and Venketesh Sivaramakrishnan. (2023). Vitamin B6, B12 and Folate Modulate Deregulated Pathways and Protein Aggregation in Yeast Model of Huntington Disease. **3 Biotech**, 13 (3), 96. DOI: [10.1007/s13205-023-03525-y](https://doi.org/10.1007/s13205-023-03525-y).
- Sriram Rathnakumar, Seemesh Bhaskar, Pradeep Kumar Badiya, Venketesh Sivaramakrishnan, Venkatesh Srinivasan, and Sai Sathish Ramamurthy. (2023). Electrospun PVA Nanofibers Doped with Titania Nanoparticles in Plasmon-coupled Fluorescence Studies: An Eco-friendly and Cost-effective Transition from 2D Nano Thin-films to 1D Nanofibers. **MRS Communications**, 13, 2. DOI: [10.1557/s43579-023-00342-5](https://doi.org/10.1557/s43579-023-00342-5).
- Sriram Rathnakumar, Naga Sai Visweswar Kambhampati, Saiswaroop R., Sai Sanwid Pradhan, Ramkumar G., Nirmala Beeraka, Gopi Krishna Muddu, Sandeep Kumar, Sai Kiran Javvaji, Ashish Parangoankar, Venketesh Sivaramakrishnan, Sai Sathish Ramamurthy. (2023). Integrated Clinical and Metabolomic Analysis of Dengue Infection Shows Molecular Signatures Associated with Host-Pathogen Interaction in Different Phases of the Disease. **Metabolomics**, 19, 5. DOI: [10.1007/s11306-023-02011-z](https://doi.org/10.1007/s11306-023-02011-z)
- Datta Darshan, V. M., Venketesh Sivaramakrishnan, and Arvind Kumar, K. (2023). Structural Systems Biology Approach Delineate the Functional Implications of Snps in Exon Junction Complex Interaction Network. **Journal of Biomolecular Structure and Dynamics**. DOI: [10.1080/07391102.2022.2164355](https://doi.org/10.1080/07391102.2022.2164355)
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# Conference Presentations and Proceedings

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- V Sharma and A S Vishwanathan. Unlocking the Multifaceted Ethnobotanical Potential of Darjeeling and Kalimpong Hills, **International Conference on Science for Survival: To Explore the Unexplored Dimensions**, Government College for Women, Udhampur, Jammu and Kashmir, (February 11-12, 2023).
- S S Mahapatra and A S Vishwanathan. Bacterial Activity as an Alternate Measure of Bacterial Load in Domestic Wastewater Treatment, **13th NABS-National Conference on Current Perspectives for Sustainable Development in Life Sciences, Environment, and Agriculture**, Periyar University, Salem and National Academy of Biological Sciences, Salem (January 23-25, 2023).
- V M Datta Darshan, Venketesh Sivaramakrishnan, K Arvind Kumar. Structural Systems Biology Approach Elucidate the Functional Implications of SNPs in Exon Junction Complex Interaction Network, **45th All India Cell Biology Conference & International Symposium on Biology of Development and Disease**, The Indian Cell Biology Society, Department of Zoology, Banaras Hindu University, Varanasi, UP (January 20-22, 2023).
- R Saiswaroop, P S Akhil, Kanikaram Sai Phalguna, Sai Sanwid Pradhan, Meghana Manjunath, K Raksha Rao, Rajesh Babu Dandamudi, Sai Krishna Srimadh Bhagavatham, Sujith Kumar Pulukool, Sriram Rathnakumar, Sai Kocherlakotaa, Ashish Pargaonkar, Bibha Choudhary, and Venketesh Sivaramakrishnan. Integrated Omic Analysis Delineates Pathways Modulating Toxic TDP-43 Protein Aggregates in Amyotrophic Lateral Sclerosis, **45th All India Cell Biology Conference & International Symposium on Biology of Development and Disease**, Indian Cell Biology Society, Department of Zoology, Banaras Hindu University, Varanasi, UP (January 20-22, 2023).
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- Sudam Bhoi, K Sathya Sai Kiran, Naresh Krishna Narasimha. Subunit Heterogeneity of Hemocyanin from *Tachypleus gigas*, **43rd Annual Conference of Indian Association of Biomedical Scientists and International Conference on an Integrative Approach Towards Health Protection and Health Promotion**, Faculty of Health & Wellness, Sri Sri College of Ayurvedic Science & Research Hospital, Sri Sri University, Cuttack, Odisha (December 19-21, 2022).
- R Saiswaroop. Challenges and Opportunities in the Management of Neurological Disorders, **National Conference**, Department of Biotech. NIPER-Guwahati, Guwahati (December 07, 2022).
- K Sathya Sai Kiran, Sudam Bhoi, Sanidhya Bobde, Vamshi M. Katukuri, Naresh Krishna Narasimha. Ritterazines as Drug-like Lead Compounds Targeting Rdrp of RNA Viruses with Special Emphasis on SARS Cov-2, **International Conference on Drug Discovery - 2022 (ICDD-2022)**, BITS Pilani, K. K. Birla Goa Campus, Goa (November 10-11, 2022).
- B Anusha and B Andallu. Assessment of Antidiabetic and Anti hemolytic activities of Aerial Parts of *Trachyspermum ammi* L, **International conference on Start Herb: Journey from Innovation to Entrepreneurship in Herbs**, DY Patil Deemed to be University, School of Pharmacy, Navi Mumbai and Association of Pharmaceutical Research, Navi Mumbai (Virtual) (October 14-15, 2022).

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- B Sinha, H Hakkim, G Sharma, P Chaudhary, A Kumar, H Pawar, P B Chandra, and V Sinha. Can India Leapfrog into a Clean Air Future - Perspectives from Measurements, Source-Receptor Modelling and Emission Inventories, **EGU General Assembly 2023**, EGU23-8342, Copernicus, Vienna, Austria, (April 24-26, 2023).
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## Education

- B Sai Soujanya Kumari and P Lavanya. Promoting Life Skills Through Value Integrated Constructivist Approach, in the **International Conference on Constructivism in Teaching and Learning in the Context of Formal and Distance Learning (ICCT FDL-2022)**, Directorate of Distance Education & School of Education, Pondicherry University (October 13-14, 2022).
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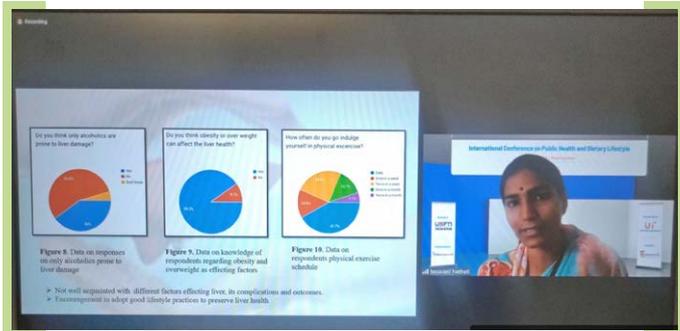
## Food And Nutritional Sciences

- Kore Jahnavi, Yamuna Sagubandi, Sai Geetha Pyla and A Padmaja. Extraction and Estimation of *Hibiscus sabdariffa* Stalks as a Potential Source of Antioxidants, **National Conference on Underutilized Food Resources: Nutrient**

**Composition, Value Addition, and Quality Assurance**, Department of Food Technology, Mizoram University, Aizawl, Mizoram, India (May 25-26, 2023).

- K K Sai Sruthi Shree and N Srividya. Bioprocessing Based Double Fortification of Traditional Indian Pigmented Rice Varieties to Address Iron and Zinc Deficiencies, **1st National Traditional Paddy Conference 2023**, Traditional Paddy Conference Council in association with Central University of Tamil Nadu (CUTN) and Tamil Nadu Agricultural University (TNAU), Thiruvavur (May 18-19, 2023).
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# Special Annual Events

The special events held annually relate to one or more of the 5 dimensions (spiritual, cultural, intellectual, physical, and service) of Sri Sathya Sai Values-based Integral education. These events are orchestrated to bring out the hidden values and good qualities in students and teachers. Students participate in these events as per their skills and talents.

### *Embodiments of Love!*

*If education is not used for the welfare of society, it is no education at all. Man can be called truly educated only when his education benefits people at large and he becomes recipient of their love. It is not enough if one merely acquires bookish knowledge, one should cultivate all virtues and attain supreme wisdom. True education is that which bestows on man the wealth of morality, spirituality and character. The purpose of education is not merely to sustain the body; it should broaden the mind and make the human being an ideal and a virtuous one.*

### **Bhagawan Sri Sathya Sai Baba**

Revered Founder Chancellor, SSSIHL  
Benedictory Address, SSSIHL Annual Convocation,  
22 November 2001

## Annual Sports & Cultural Meet January 11-15, 2023

The Sri Sathya Sai Educational Institutions held the main event of the Annual Sports & Cultural Meet on Wednesday, 11 January 2023 at the Sri Sathya Sai Hill View Stadium, Prasanthi Nilayam, Andhra Pradesh, India.

The Sri Sathya Sai educational institutions include all four campuses of Sri Sathya Sai Institute of Higher Learning (Deemed-to-be University), Sri Sathya Sai Primary and Higher Secondary School, Smt. Eswaramma High School and Sri Sathya Sai Institute of Higher Medical Sciences College of Nursing and Allied Health Sciences.

The gala event is a culmination of various sports, cultural, and fine arts competitions held at all the above campuses throughout the academic year. It showcases an array of physical and cultural presentations by over 3000 students of the institutions spread across two sessions, morning and evening. Preparations, which began a month in advance, involved hundreds of practice hours by all students and teachers at each institution.

### **January 11, 2023, Sri Sathya Sai Hill View Stadium, Prasanthi Nilayam**

On January 11, 2023, an event of profound significance unfolded at the Sri Sathya Sai Hill View Stadium in Prasanthi Nilayam, marking the commencement of the Annual Sports

& Cultural Meet 2023. This day was filled with remarkable moments and vibrant presentations that captivated the hearts of all in attendance.

### **Morning Session:**

The morning session began promptly at 8 a.m. with a ceremonial entrance and procession, led by our beloved Founder Chancellor, Bhagawan Sri Sathya Sai Baba. His arrival was a grand spectacle, with motorcycle escorts guiding His car adorned with a beautiful photograph of Him. The women's brass band from the SSSIHL Anantapur Campus extended a warm welcome.

As the procession continued, all the house and institute captains from the university, schools, and allied institutions saluted the flag, followed by the Slow March Squad led by the men's brass band from the Prasanthi Nilayam Campus, SSSIHL. Bhagawan was then escorted to the Shanti Vedika dais, where the Chancellor, SSSIHL, and senior members of the Sai educational institutions, along with student representatives from each institution, paid their respects.

A magnificent March-Past followed, featuring three thousand Sai students marching in perfect harmony toward the Shanti Vedika dais, expressing their reverence for their Founder Chancellor. The University flag, symbolizing unity and a commitment to uphold the honor and glory of Sri Sathya Sai's mission, was hoisted, and the Sports Meet oath was taken.

This year's mascot, Dhavala Kesari, a white lion, carried the torch high atop the hill, illuminating the principal torch and signaling the official commencement of the 2023 Annual Sports & Cultural Meet. The campus bands created a divine atmosphere with their melodious renditions as they beat the retreat, setting the stage for the day's presentations.

The morning presentations began with the students of the Anantapur (women) campus offering the Sri Sathya Sai Anandhotsavam, celebrating the resumption of the sports meet through traditional Indian dance forms as an offering to their Divine Master. This was followed by flag-bearing Sai Soldiers who conveyed the importance of 'Dharma' in today's world through captivating formations, including the Dharma Chakra and Lord Rama's Bow, culminating in the formation of Bhagawan Sri Sathya Sai himself.

The highlight of the morning was the awe-inspiring performance by Sai's 38 Fearless Falcons, fearless women daredevils riding 24 Hero Honda 125cc Glamour bikes. They showcased breathtaking stunts, and daring jumps, and even rode through a ring of fire, leaving the audience spellbound with their incredible balance, timing, fearlessness, and, most importantly, their deep devotion to their Divine Master. To conclude, the students united to convey the heartfelt message, 'We Belong to You, Sai.' The young boys from the Sri Sathya Sai Higher Secondary School captivated the audience with dazzling acts, showcasing their talents.

The boys from the Prasanthi Nilayam campus presented a captivating depiction of events from the epic Ramayana,





celebrating the victory of good over evil. Their performance showcased remarkable flexibility, agility, and fearless gymnastics, featuring daring dives, jumps, somersaults, and the highlight of jumping over a car and through fire rods. The martial arts team then treated the audience to a series of dramatic and action-packed stunt sequences. They concluded their act with an impressive synchronized display of cricketing skills, commemorating 40 years of India's World Cup victory. To mark the 98 years of the Advent of the Avatar, the team of boys, both from the school and institute, formed the number 98 on center stage.

Following this, the institute boys from the Muddenahalli campus took the stage, beginning with a captivating display of musically synchronized formations using umbrellas to create intricate and eye-catching patterns. Their high-energy and scintillating presentations kept the audience on the edge of their seats. The grand finale of the morning session featured the Jumpmen, who showcased remarkable dribbling skills and mesmerizing trampoline acts, demonstrating their impeccable sense of balance and timing.

#### Evening Session:

The evening session commenced at 4:10 p.m. with a ceremonial procession welcoming Bhagawan Baba into the Sri Sathya Sai Hill View Stadium once again. The evening presentations began with an enchanting performance by the students of Smt. Eswamma High School, who displayed graceful stunts and formations, commemorating 50 glorious years of the school. Next, the tiny tots from the Primary school took the stage, delivering nine adorable acts that showcased their flexibility, balance, teamwork, and endurance through colorful displays. Following their performance, the SSSIHMS College of Nursing and Allied Health Sciences presented three stunning performances that conveyed the transformation of one's life through spirituality.

The students from the Brindavan campus then stole the spotlight with an innovative Rugby game featuring two teams named Bubbles and Sumos, followed by an exciting display of balance on a slack line. The grand finale of the evening and the entire day's proceedings was a spectacular LED-lit Lion and Dragon dance performance, a traditional Chinese dance that left the audience in awe. A mesmerizing sound and light show, featuring various types of drums with sound sensor LEDs that lit up with each beat, added to the spectacle.

As the students united in a final formation, singing in unison, they expressed their profound love and gratitude for their Divine Master, Sri Sathya Sai.

The evening session concluded with Mangala Arati to Bhagawan, marking the end of the main event of the Annual Sports and Cultural Meet 2023. This day was a testament to the unity, talent, and devotion of the students of Sri Sathya Sai educational institutions.

View the recording here:

**Morning Session:** <https://youtu.be/GnPoS6z9ATs>

**Evening Session:** [https://youtu.be/-ejLnpt\\_hqQ](https://youtu.be/-ejLnpt_hqQ)



## January 12-15, 2023, Sai Kulwant Hall, Prasanthi Nilayam

### 'Avataara Vaibhavam' - A Musical Offering by the Anantapur Campus, January 12, 2023

As part of the sports and cultural events 2023 at Sai Kulwant Hall, the students of the Anantapur Campus presented a musical offering titled "Avataara Vaibhavam". They began with a prayer to Lord Ganesha and then sang the glory of Lord Vishnu through the Sri Hari Stotram, emphasizing His role in protecting the virtuous, destroying evil, and restoring righteousness. They went on singing the melodious Rama Stuti bringing Lord Rama's divine form to life, offering strength and protection to all, and the "Santana Gopaalakrishna" kriti in praise of Lord Krishna and concluded with a melody extolling and celebrating the advent of Bhagawan Sri Sathya Sai Baba as the Kaliyuga Avatar.

View recording: <https://www.youtube.com/live/R2WwHgT584U?si=pGMHVuK9AfRucMrm&t=2874>

### 'The Familiar Stranger' - A Drama Presentation by the Muddenahalli Campus, January 13, 2023

On January 13, 2023, the Muddenahalli Campus of SSSIHL presented a drama titled "The Familiar Stranger." This captivating performance delved into the evolution and transformative journey of humanity. The storyline unfolded through enigmatic characters, such as 'Diamond in the Rough,' 'Fork in the Road,' 'Origin of Order,' and 'Conflict at the Mountain Top,' all of which symbolized key aspects of life found in the metaphorical museum of existence. The ultimate destination of this journey was the realization of the Master, referred to as 'The Familiar Stranger.' Throughout this narrative, a divine presence, portrayed as the 'museum keeper,' subtly guided and influenced the path of 'man,' representing God in disguise.

View recording: <https://www.youtube.com/live/qI34yUWcK2Y?si=1J-L0bQ7tBbC92q6&t=2045>

### 'Sai Swarlayanjali' - A Musical Offering by the Dept of Music, Prasanthi Nilayam, January 14, 2023

On January 14, 2023, as part of the Annual Sports & Cultural Meet 2023 at Sai Kulwant Hall in Prasanthi Nilayam, the Department of Music presented a captivating musical event titled 'Sai Swarlayanjali.' This musical offering was a bouquet of Carnatic and Hindustani music, symbolizing the harmonious blend of Swar (song) and Laya (rhythm).

The Carnatic segment featured compositions by the revered Saint musician Tyagaraja, accompanied by the resonating beats of the Mridangam. On the other



hand, the Hindustani section showcased a devotional and classical song that explored various facets of rhythm, skillfully performed by a Tabla ensemble.

View recording: <https://www.youtube.com/live/v7ZszKFTpsQ?si=Plnr6fipdv17nfS5&t=1687>

#### **'Kingdom of Heaven' - A Drama Presentation, Brindavan Campus, January 14, 2023**

On January 14, 2023, as part of the Annual Sports & Cultural Meet 2023 at Sai Kulwant Hall in Prasanthi Nilayam, the Brindavan Campus presented a powerful drama titled 'Kingdom of Heaven.' This drama portrayed the life and era of Jesus Christ and aptly integrated Swami's teachings to emphasize that Jesus' teachings are synonymous with the teachings of the Avatar.

The audience was deeply touched by the dramatic portrayal of Jesus' crucifixion and profoundly moved by the subsequent resurrection. The performance effectively conveyed the significance of incorporating Jesus' teachings into one's daily life, leaving a lasting impact on the students and viewers.

View recording: [https://www.youtube.com/watch?v=v9HIP5TEfvw&t=2062s&ab\\_channel=PrasanthiMandirLive-SSSMC](https://www.youtube.com/watch?v=v9HIP5TEfvw&t=2062s&ab_channel=PrasanthiMandirLive-SSSMC)

#### **'Bhakti Saramshamu' - A Drama Presentation, Prasanthi Nilayam, January 15, 2023**

On January 15, 2023, as part of the Annual Sports & Cultural Meet 2023 at Sai Kulwant Hall in Prasanthi Nilayam, the students of the Prasanthi Nilayam campus presented a drama titled 'Bhakti Saramshamu.' This compelling drama depicted the transformation of the Dwarapalakas, Jaya and Vijaya, of Vaikunta, who were enlightened by Narayana Himself on the path of Devotion (Bhakti) when they were gripped by fear over the possibility of being reborn as enemies of their Lord, leading to separation from Him.

View recording: <https://www.youtube.com/live/W7An6mFTSJg?si=6N7IQveuQhmfUmu&t=2282>





ATHLETICS  
2023

ATHLETICS  
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ATHLETICS  
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ATHLETICS  
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SPORTS  
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## Prize Distribution Ceremony, Sai Kulwant Hall, Prasanthi Nilayam, January 15, 2023

The Prize Distribution Ceremony of the Annual Sports and Cultural Meet 2023 for the Sri Sathya Sai educational Institutions was held on 15 January 2023, on the auspicious occasion of Makara Sankranti, at the Sai Kulwant Hall, Prasanthi Nilayam, Andhra Pradesh. The ceremony aimed to acknowledge and celebrate the outstanding achievements of students in sports, cultural, and fine arts events throughout the academic year 2022-23.

The program commenced at 8:20 a.m. with a magnificent procession featuring the University brass band, students chanting Vedam and a flag-bearing squad. This was followed by enlightening speeches delivered by teachers and students from each SSSIHL campus, shedding light on the significance of the event and sharing their personal experiences.

The categories under sports comprised of 9 track events - 100m, 200m, 400m, 800m, 1500m, 5000m, 10000m, 4 x 100m, and 4 x 400m relays, and 7 field events - shot put, discus, hammer, and javelin throwing events, high jump, long jump, and triple jump, along with over 11 team and individual games like basketball, football, cricket, volleyball, ball badminton, handball, lawn tennis, table-tennis, tennikoit, badminton, and kho-kho.

The categories under cultural comprised of over 25 categories that included debate, drama, elocution, quiz, instrumental, light vocal, modelling, mono acting, mime, orchestra, painting, photography, poster making, short story writing, sketching, stotram and vedam chanting, yoga, classical dance, bhajan antakshari, Carnatic and Hindustani classical vocal, mehndi, cartooning, clay modelling, and more.

A total of 1016 students from all four campuses actively participated in sports and cultural activities. Over 1278 prize winners (730 sports and 548 cultural), were awarded which included 113 Gold, 81 Silver, and 82 bronze medals for Athletics. In addition, 28 Championship trophies were awarded which included 12 each for Athletics and cultural, and 4 for Fine arts celebrating the remarkable achievements of the students.

View recording: <https://www.youtube.com/live/S9cBHPOqdUE?si=Huiony8TR6yZCfLa&t=1423>

## 2023 Sports Meet Champion List

### Athletic Champions

Name	UG/PG	Campus
Gowtham K	UG	PSN
Thirumala Setty Gaganchand	PG	PSN
A Sai Kumar Reddy	PG	MDH
M V S Adithya	UG	BRN
Ardra K B	UG	ATP
Kesavani Netheti	PG	ATP

### Cultural Champions

Name	UG/PG	Campus
Sukanta Bhandari	UG	PSN
R Rama Subramanya Gargeya	PG	PSN
Saikrishna B	PG	MDH
Aravind Narayanan	UG	BRN
Saipriya Babu	UG	ATP
M Rajameenakshi	PG	ATP

### Fine Arts Champions

Name	UG/PG	Campus
B Ramya	UG	ATP
Sonam Thapa	PG	ATP









## Annual Convocation, Sai Kulwant Hall, Prasanthi Nilayam, November 22, 2022

Sri Sathya Sai Institute of Higher Learning (SSSIHL) (Deemed to be University) held its 41st Annual Convocation at the Sai Kulwant Hall, Prasanthi Nilayam, Andhra Pradesh in the Divine Presence on 22 November 2022. The grand ceremony saw the Honourable Chancellor, Sri K Chakravarthi, IAS (Retd.), admit 511 candidates from various programs to their degrees. This included 274 undergraduate, 141 postgraduate, 79 professional, and 17 Ph.D. awardees.

SSSIHL was honoured to have Shri Somanath S, a Distinguished Scientist, Secretary, the Department of Space, and Chairman, of ISRO, as the chief guest for the event.

The format, planning, and execution of the SSSIHL convocation ceremony is second to none. The ceremonial procession was led by the Registrar, holding the Ceremonial Mace. Other members of the procession included the Chancellor, Vice-Chancellor, Deans, and the Heads of Departments along with the Chief Guest, members of the Sri Sathya Sai Central Trust, and the Board of Management.

Following the invocatory Veda chanting from Taittiriya Upanishad, on the request of the Vice-Chancellor, Prof. (Dr.) C B Sanjeevi, the Convocation was declared open in the Divine voice of the Revered Founder Chancellor Bhagawan Sri Sathya Sai Baba.

The Vice-Chancellor, Prof. (Dr.) C B Sanjeevi speaking on the occasion gave a glimpse of the high-quality research carried out for societal benefit by leveraging the world-class Central Research Instruments Facility (CRIF) and the Central Research Laboratory (CRL) at SSSIHL. He congratulated the faculty and students for their various academic achievements in their respective fields of study. Referring to the exemplary work done by the Actuarial Science team, he highlighted the CAS University Award for 2022, won by SSSIHL, the only Indian Institution to win this global recognition so far since the inception of the Casualty Actuarial Society (CAS), USA.

Delivering the convocation address, the Chief Guest Shri Somanath exhorted students to aim high and dream big and drew their attention to the prevailing issues like economic crises, terrorism, climate change, and resource constraints and urged them to find impactful solutions and seek challenging opportunities and take the path less taken and make their family, teachers, and country proud. He praised the visionary Founder chancellor, Bhagawan Sri Sathya Sai Baba for "igniting a revolution in the academic landscape and setting up the impeccable institution".

The Divine Benediction of Revered Founder Chancellor, Bhagawan Sri Sathya Sai Baba was then played in which he urged students to become men and women of great character and earn a good name, and make their parents, country, and Swami proud and spoke about the importance of offering free education to bring about a sacred transformation amongst students.

View recording: [www.youtube.com/live/6ryj1Oguf4](https://www.youtube.com/live/6ryj1Oguf4)

## Annual Convocation Drama, November 22, 2022

"Bangaru! - The Call of Love" is a play that takes the audience on a journey of mystery and adventure. The story revolves around a 'closed door' that holds a treasure, and the characters' quest to find the key to unlock it. Divided into three scenes, the main characters Swayam, Hriday, and Vigyaan, are in search of the locksmith to create the key to the 'closed door'. Along the way, they encounter various challenges and obstacles that test their faith and determination. The play is a reminder of the importance of faith, love, and devotion in our lives (as the key) to unlock the mysteries of life (closed door). The characters learn the importance of surrendering to God's love and trusting in His infinite wisdom. They realize that they were chosen by God to be His students, and that true happiness can only be found in union with Him.





## All-Round Gold Medallists

### Prajoyli Sharma

Master of Business Administration

### Aravind Narayanan

Bachelor of Commerce (Hons.)

### Desetti Sai Nandan

Master of Technology in Computer Science

### Jagarajupalli Pavan Kumar Reddy

Bachelor of Business Administration

## Gold Medallists

### Sandeep Roy

Bachelor of Arts

### Panditi Bhagawan

Bachelor of Science (Hons.) in Mathematics

### Ujjal Chettri

Bachelor of Science (Hons.) in Physics

### Dattatreya Parija

Bachelor of Science (Hons.) in Chemistry

### Somanath Shyam Sundar

Bachelor of Science (Hons.) in Biosciences

### Anusha Chappa

Bachelor of Science in Food and Nutritional Sciences

### Kamath Sudeep Sudarshan

Bachelor of Commerce (Hons.)

### Kotra Ravi Teja

Bachelor of Business Administration

### Sri Naga Sai Vasanthi Guggilam

Bachelor of Education

### Thakur Rohit Singh

Master of Arts in Economics

### Palacharla Sahithi Chowdary

Master of Science in Mathematics

### Bibhuprada Acharya

Master of Science in Physics

### Madamsetty Sai Veena

Master of Science in Food and Nutritional Sciences

### Krishna Kanth Gunta

Master of Science in Data Science and Computing

### Immadi Siva Ratnakar

Master of Science in Biosciences

### Kodam Akhil

Master of Business Administration

### Rishi Sridhar Rao

Master of Technology in Computer Science

### Bharath Chandran T

Master of Science in Chemistry

## Ph.D. Awardees

### Sai Shyam - Computer Science

Robust Watermarking Methods using Discrete Wavelet Transform and Deep Convolutional Neural Networks

### Srikanth Khanna - Computer Science

Novel Applications of Fractional Derivatives in Image Pre-processing and Segmentation

### Ananth V S - Mathematics

Optimal Control Studies for Additional food provided Prey-Predator Systems involving Holling Type III and Type IV Functional Responses

### Sai Krishna S B - Biosciences

A Systems Biology Approach to aid Biomarker Discovery and Elucidate the mechanisms in Rheumatoid Arthritis (RA)

### Sai Kiran M - Chemistry

Groundwater Defluoridation and Wastewater Dye Remediation by Shape-Engineered Functionalized Polyvinyl Alcohol-Based Adsorbents

### Bishal Chhetri - Mathematics

Within-host, Between-Host, and Multiscale Mathematical Modeling Studies with Reference to the COVID-19 Pandemic

### Rahul Raju Pattar - Mathematics

Global Well-Posedness and Regularity Issues Associated with Singular Hyperbolic Cauchy Problems

### Ashritha C Haldipur - Food and Nutritional Sciences

Macronutrient and Phytochemical Content, Metabolomic Phenolic Profile, In Vitro And In Silico Antidiabetic Potential and In Vivo Glycemic Response of Traditional Indian Pigmented Rice Varieties

### Lavanya Rathi P - Physics

Investigation of Tin-doped Magnetite Nanoparticles and Nanocomposite Films for Dielectric and Microwave Shielding Applications

### Ashwin Ashok Naik - Biosciences

Systems Analysis of Avascular Necrosis of Femoral Head shows the Involvement of Deregulated Pathways and Iron Metabolism in Pathophysiology: Potential Biomarkers and Therapeutic Targets

### G Aditya - Management

Three Essays in Behavioural Finance: Studies on Investor Resilience, Managerial Conviction, and Corporate Attention Seeking

### Saikrishnan S - Management

Viewing Consumer Decision-Making in Health Insurance Markets Through the Lens of Behavioral Economics

### Prashant Rai - Chemistry

Design and Synthesis of Spirobibenzopyrans, Benzopyrylium Salts, and Myo-Inositol Derivatives as Potent Biological Agents and Structure-activity Relationship of the Non-Linear Optical Response of Chalcone Derivatives



**Sai Prasad Nayak – Chemistry**

Green Nanocomposites as Electrocatalysts for Detection of Biomolecules and Fuel Cell Applications

**U Pranav – Management**

A Study of Corporate Social Responsibility in Secondary Education in India

**K Rajasimha – Physics**

Facile Fabrication Methods for an Integrated Lab-on-a-Chip Using Femtosecond Laser Micromachining

**Ranendra Pratap Biswal – Chemistry**

Metabolic Profiling of Ganoderma, Neem Toddy and Averrhoa carambola Fruit Extracts Using UHPLC-ESI-QTOF-MS

## Prasanthi Vidwan Mahasabha, Sai Kulwant Hall, Prasanthi Nilayam, September 29 - October 04, 2022

Dasara or Navaratri is a ten-day festival, usually in October, and is celebrated all over India in the worship of the Divine as the Mother principle. Since the early sixties, the festival of Dasara in Prasanthi Nilayam has been closely associated with the Veda Purusha Saptaha Jnana Yagna. This yagna is a week-long worship conducted in the Divine Presence in the Poomnachandra Auditorium in Prasanthi Nilayam each year for the welfare of the whole world.

The students of Sri Sathya Sai Institute of Higher Learning take an active part by chanting the Vedas, reading the scriptures, and performing other parts of the worship along with the learned pundits.

The evening programmes during the seven days of the yagna are held in Sai Kulwant Hall, under the auspices of the 'Prasanthi Vidwan Mahasabha', where many speakers—that include accomplished Scholars, students, and functionaries of Bhagawan's educational institution, address the gathering on topics concerning spirituality and philosophy, Bhagawan's teachings and experiences of devotees. The speakers from SSSIHL in 2022 were: Sri Chandrahaas C.S., Doctoral Research Scholar in the Department of Management and Commerce, Sri Sai Manohar, Warden, Brindavan campus, Dr. N. Siva Kumar, Director, Brindavan Campus, and Dr. Kiron Bala Arora, Hon. Associate Professor, Anantapur campus.



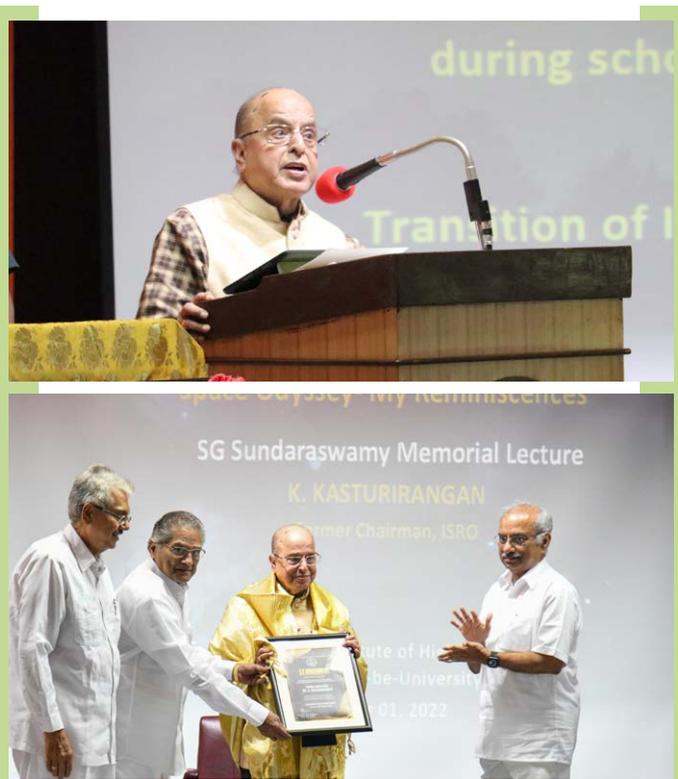


## SG Sundaraswamy Memorial Lecture, Prasanthi Nilayam Campus Auditorium, October 01, 2022

Eminent Scientist and astrophysicist and the Chancellor, of Central University of Rajasthan Padma Vibhushan Dr. K. Kasturirangan, delivered the memorial address at the SG Sundaraswamy Memorial Lecture, held at the Sri Sathya Sai Institute of Higher Learning (Deemed-to-be-University), Prasanthi Nilayam, Andhra Pradesh, on Saturday, 01 October 2022.

Dr. K. Kasturirangan's engaging lecture focused on the theme 'Evolution of Space Science in India.' He provided the audience, including students and listeners, with a captivating overview of his illustrious career at the Indian Space Research Organisation (ISRO), beginning from the moment he was selected by Dr. Vikram Sarabhai, the visionary pioneer of the Indian Space Program till his retirement as its Chairman in 2003.

Dr. Kasturirangan shared the remarkable journey of India's space technology development, discussing the pivotal roles of Dr. Vikram Sarabhai and Prof. Satish Dhawan. He recounted his journey filled with opportunities, exciting experiences, and memorable events, aiming to inspire and ignite the aspirations of young minds to dream and pursue their dreams with unwavering passion.



Dr. Kasturirangan's association with ISRO spanned nearly 35 years, during which he served as its Chairman from 1994 to 2003. His contributions encompassed the design and development of early satellite systems for ISRO, as well as a key role in advancing India's remote sensing satellite capabilities.

The SG Sundaraswamy Memorial Lecture is an annual endowment lecture at Sri Sathya Sai Institute of Higher Learning (SSSIHL) instituted in honour of late Sri SG Sundaraswamy—a doyen of the legal profession in Bengaluru and an ardent devotee of Bhagawan Baba—by his son, Sri S S Naganand, Trustee, Sri Sathya Sai Central Trust, Sri Sathya Sai Institute of Higher Learning (Public Charitable Trust), Sri Sathya Sai Sadhana Trust and Sri Sathya Sai Media Foundation.

View recording: <https://youtu.be/GAm5qyR8s0o>

## Summer Course in Indian Culture & Spirituality, July 22-24, 2022

The Summer Course in Indian Culture & Spirituality serves as an induction programme at the beginning of each academic year for all students and teachers of Sri Sathya Sai Institute of Higher Learning to expose students of the University to the rich cultural and spiritual heritage of Bharat. It orients students into Bhagawan Baba's educational philosophy and gives them deep, first-hand insights into how they can directly benefit from this unique institution.

A two-day Summer Course on Indian Culture and Spirituality was organised by all four campuses for the academic year 2022-23. Here are a few highlights from across campuses:

- At the Anantapur campus, a ceremonial procession as per tradition along with the Kalasham was carried out to the College auditorium. The event commenced with invocatory Vedam Chanting by the students and the lightning of the inaugural lamp, followed by the welcome address by the campus Director, Smt. M. Praphulla. The Vice-Chancellor Prof. C B Sanjeevi spoke on how Samsara (worldliness) has taken the place of Samskara (culture) and the importance of good action to develop one's Samskara. The Chief Guest, Dr. Lathashree, Senior Medical Officer, Sri Sathya Sai General Hospital, Prasanthi Nilayam spoke on "Vishadam to Prasadam". On the second day Sri S S Naganand, Member, Sri Sathya Sai Central Trust addressed the gathering on "The significance of Scriptures in Life Today". On the third day Sri Sanjay Sahni, CoE, SSSIHL spoke on "Spirituality in Daily Life". There was also a Panel discussion by members of the Alumni Ms. Saileela, Ms. Namita, Ms. Niveditha, and Ms. Usha, on "Spiritualizing Modern Life". Ms. Suparna Rao was the Moderator. The other speakers included, Dr. P L Rani, Associate Professor, Department of English Language and Literature, Dr. Deepa Seetharaman, Associate Professor & HoD Physics, and Dr. U Suma Rao, Associate Professor.
- The Summer Course 2022 at the Muddenahalli Campus featured a series of insightful sessions and talks by



prominent speakers. Sri. Vaidyanathan Iyer, Chief of Operations at IBM Security Command Center, Asia Pacific, delivered a keynote address on “Practical Spirituality - Essence of Indian Culture,” emphasizing the fusion of spirituality and practicality. Sri. Venkatesh Prasad, visiting faculty at the Department of Management and Commerce, Sri Sathya Sai Institute of Higher Learning, discussed the concept of “Living at the Source,” exploring profound life principles. Participants had the opportunity to gain “Experiences with Swami” during the Parayanam sessions led by Sri. R Subramanian, and they received practical insights into Vedic injunctions from Sri. Sundar Anantaraman, the State Spiritual Coordinator of Sri Sathya Sai Seva Organisation, Karnataka. The significance of the Gayatri mantra was elucidated by Sri. Akshay Kulkarni, District Youth Coordinator of Sri Sathya Sai Seva Organisation, Bangalore (South), shedding light on its spiritual importance. Prof. Sudhir Bhaskar, Director of the Centre for Human Values at Prasanthi Nilayam, delivered a thought-provoking talk. More “Experiences with Swami” were shared in a Parayanam Session by Sri. Mallikeswaran, a resident of Sri Sathya Sai Senior Boys’ Hostel, Prasanthi Nilayam. The Summer Course concluded with the Valedictory Address titled “My Journey with Sai” by Sri. Sundar Swaminathan, Director of the Sri Sathya Sai Media Centre, Prasanthi Nilayam, providing a reflective and inspirational note to the event.

- At the Brindavan campus the inaugural address was given by Sri S S Naganand, Trustee, Sri Sathya Sai Central Trust. Other speakers included Sri Naveen Lakkur of the Institute of Inspiring Innovation and alumni of the Institute, Sri Amey Deshpande of Sri Sathya Sai Center for Human Values, and Sri Manoj Gadi Prakash of Tata Trusts. The valedictory address was given by Sri Vijay Menon, Corporate Consultant. There was a drama presentation, a study circle, and a situation analysis as part of the Summer Course.
- At the Prasanthi Nilayam campus the Summer Course 2022 commenced with the inaugural Address by Dr. Raghavender G Raju, the Director of the PSN Campus. The program featured a Divine Discourse by Bhagawan Sri Sathya Sai Baba, setting a profound tone for the course. Dr. R Raghunatha Sarma, DMACS, delivered a keynote address on “Shiksha-Dhiksha-Dakshata,” emphasizing the importance of education. Hon. Prof. R Gangadhara Sastry, DHSS, explored the timeless relevance of Ramayana in today’s world, showcasing the wisdom of ancient texts. Dr. R Visveswar shared insights on “The Glory of Indian Culture,” while Dr. P Sarma Rambhatla discussed “Self-Realization,” both shedding light on spiritual growth. Dr. M B S S Narayana delved into the intricate “Teacher and Student Relationship” within Mahabharatham. Prof. Chelli Janardhana, DCHEM, explored the topic of “Bhakti-Bhagavatham,” deepening the understanding of devotion. Dr. Subramanian S Iyer, DMC, conducted a quiz on the life and teachings of Bhagawan Sri Sathya Sai Baba, promoting knowledge and reflection. The program also featured a captivating Musical Offering by the Department of Music

from Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam Campus, enhancing the spiritual atmosphere. Additionally, study circles were held during the initial two days of the summer course, fostering a collaborative and immersive learning experience for all participants.



## Community Service

At their own volition, students and teachers of the university work with local communities around the campuses throughout the year. Many of these service activities are inspired by the students themselves, reflecting the impact of the unique education they receive at SSSIHL, examples of these from the year include:

### Grama Seva, Prasanthi Nilayam Campus, April 2023

The undergraduate students from the Prasanthi Nilayam Campus undertook Service activities at the Bonthala Palli village as part of their learning through the Grama Seva programme.

Bonthala Palli is a small Village/hamlet in Puttaparthi Mandal, in the Anantapur District of Andhra Pradesh, India. It comes under Amagondapalem Panchayath. It belongs to the Rayalaseema region 17 KM from Puttaparthi. The village is home to over 3000 people from over 700 families.

The service activities included an awareness programme on Hygiene, and health for all, career counselling for the village youth, both boys and girls, physical games for the youth, and some food for the soul that included a few spiritual activities like singing Bhajans, Nagar Sankirtan and Satsang at the local temple. These activities aligned with some of the Government-run programmes like Swachh Bharat and the Prime Minister's Youth Career Development schemes (PMKYY) like Khelo India, and National Career Services.



### Narayana Seva, Anantapur Campus, March 28, 2023

The senior B.Ed. and MSc. students of the campus undertook Narayana Seva on 28 March 2023. This involved, managing the preparation, packing, and distribution of 25 kilos of Puliyocharai or Tamarind Rice to the needy in neighboring towns and a slum near Bukkarayasamudram. The activity helped students realise the joy of sharing and serving the needy.

### A Visit to the Leper Colony, Anantapur Campus, March 19-20, 2023

*A Project 'Love Stream' Initiative, Since 1986.*

The campus with the help of students, alumni, the warden, and faculty members, adopted a leper colony in 1986 with a long-term objective of making the families as self-sufficient as possible. Over the years 'Love Stream' has helped transform the lives of twenty-five socially marginalized families through dedicated love and care. The families are financially self-sufficient through a series of interventions including raising capital for water pumps, growing trees, selling their fruits, etc.

As part of their annual visit, this year the students along with their teacher guides, visited the colony over two days, spending time with the families and children, and participating in a few activities like Handicraft sales (items made by the village youth), and conducting few value games, a visit to the fruit garden, distribution of chocolates and stationary items to the children, and few essential items for families that included wheat flour and oil.

### Narayana Seva, Anantapur Campus, October 18, 2022

The students from Nepal in the Anantapur campus, along with a few research scholars and final year students, undertook Narayana Seva on 18 October March 2022. This involved, managing the preparation, packing, and distribution of 25 kilos of Puliyocharai or Tamarind Rice to the people of a slum nearby. The experience gave the students immense joy to be part of the Seva programme.

### Cheyutha Project, Anantapur Campus, October 11, 2022

The project *Cheyutha* (Serving the Needy), was initiated by the Anantapur Campus with an objective to support the children of the contingent staff of the campus in their everyday study curriculum.

As a part of this initiative, the students were involved in teaching the children and helping them understand subjects like basic English, Arithmetic, and stories with morals and Good habits, etc., along with playing games like Cricket and singing Bhajans together. It taught the students the need to practice some of these values before they taught the children.



**Impact of Seva:** Our Revered Founder Chancellor leading by example, always encouraged and inspired students to serve society and those in need. He emphasized that, beyond the recipients of the service, those who serve would be the greatest beneficiaries.

#### Impact on Students:

- It sensitizes them to the problems of our society and to rural life
- Helps them understand and appreciate the ground realities of rural India and the needs of lesser privileged sections of the community
- It trains students on group dynamics and teamwork, with lessons in Management - learning to execute projects with the optimal utilisation of limited resources
- It enables them to appreciate the joy associated with service or giving
- It inspires students to take up such service projects in the future and live their lives along a higher ideal
- Most importantly, helps them earn a good name, the love and prayers of the people served, and the immense satisfaction attained.



# Cultural Events

## Festivals and Important Days

### Gratitude Offering, Brindavan Campus, April 25, 2023

The final-year students of Brindavan expressed their gratitude to Bhagawan on 25th April 2023. Through songs, speeches, and skits they displayed a wide array of emotions all expressing their gratitude. The theme of the programme was "I select you based on your availability and not on your ability". The students expressed their availability to Swami's mission throughout their lives.

### Sri Sathya Sai Aradhana Day, April 24, 2023

24 April, the day of 'MahaSamadhi' is commemorated as 'Aradhana Day', of our Founder Chancellor Bhagawan Sri Sathya Sai Baba. It celebrates the Omniscience and Omnipresence of the Avatar. The students and staff on this day express their love and gratitude to their Eternal Master, and participate in the traditional offering of the 'Sai Pancharathna Kritis'. The proceedings included the launch of the Sadhana Aradhana booklet, a new version of the SSSSO-India website, a Brochure on Sri Sathya Sai Young Messengers, and the handing over of livelihood items to 400 beneficiaries.

### Gratitude Offering, Muddenahalli Campus, April 23, 2023

On April 23rd, the final year students of Muddenahalli Campus presented a heartwarming and touching gratitude program titled "Yours Lovingly" at the Sai Kulwant Hall. The program was designed as a letter to Swami, reminiscing the time when students often gave letters to Swami while he was in his physical form. The program started with a skit expressing what students gained and learned from being a part of this hallowed institution. The skit was followed by several songs composed by the students themselves. These included a Nepali song titled "Tapai kai Aagamanma", a Telugu song titled "Nee Maate Maa Swasa", a Quawali titled "Sukriya Illahi", and a Hindi song titled "Yaadein." Additionally, students from all parts of the country expressed their heartfelt emotions and gratitude to Swami in their mother tongue, their eyes moist with love for their divine master. The students also presented beautifully crafted cards to Bhagawan. A song in Hindi accompanied by a video presentation was played depicting life on the campus, and all the key moments that would forever last in the hearts of the students as priceless memories.

### Gratitude Offering, Anantapur Campus, April 22, 2023

On 22nd April 2023, the outgoing batch (UG and PG) of the Anantapur Campus offered their gratitude to beloved Bhagawan in the form of a musical programme interspersed with narration on their experiences through short talks and group songs, at Sai Kulwanth Hall, Prashanthi Nilayam. As part of the ceremony, students prepared handmade hospital gowns and baby sweaters as offerings for the General Hospital, Prasanthi Nlayam. Also, 'Sai Satkruti' - a bouquet of booklets, handmade garland, and a short video presentation depicting Bhagawan's presence in their lives as students, was offered with deep love and gratitude.



### **Celebrating the Festival of Vishu & Puthandu, April 14, 2023**

The first day of the year on the Tamil and Malayalam calendar is traditionally celebrated as New Year's Day by the people of Tamil Nadu and Kerala. It falls on 14 April every year on the Gregorian calendar and is known as 'Puthandu' in Tamil and 'Vishu' in Malayalam, and holds great significance to their lives. Students from the states of Kerala and Tamil Nadu organised beautiful traditional dance programs and folk songs and decked up the hostel with the traditional flower Rangoli (Pookolam) and were dressed in their traditional attire. Later, students also relished the elaborate 'Sadhya' sumptuous meal for a king, at their hostel.

### **Ram Navami Celebrations, March 30, 2023**

Celebrating the birth of Lord Shri Rama, on this holy day the students offered their prayers and witnessed the 'Sita-Rama Kalyanam' or the 'Celestial-Wedding of Lord Rama with Mother Sita'. In the evening, they offered a music programme highlighting the great qualities of Lord Rama and Mother Sita, and a series of songs to mark the advent of Lord Rama.

### **Gratitude Offering, Prasanthi Nilayam Campus, March 26, 2023**

The graduating students of the undergraduate and postgraduate batches of the Prasanthi Nilayam campus offered their gratitude to their Divine Master and Founder Chancellor at the Sai Kulwant Hall on the evening of 26 March.

Titled 'Karishya Vachanam Tava' featured beautiful songs coupled with a dance offering, interspersed with a series of narrations of experiences, presented in Telugu, Tamil, Kannada, Malayalam, Hindi, Nepali, Bengali apart from English, spoken in the language of the Heart, although they come from different states, diverse cultures, and spoke different languages.

### **Celebrating the Festival of Ugadi, March 22, 2023**

Ugadi marks the beginning of a new year according to the Hindu lunar calendar for the states of Karnataka, Andhra Pradesh, and Telangana and celebrates the spirit of new beginnings, hope, and joy. The hostels were decorated with mango leaves and colorful patterns called "Rangoli's" were drawn at the entrance. Prayers were offered seeking blessings for a new beginning. "Ugadi Pachadi," a traditional dish that is a mixture of six different tastes - sweet, sour, bitter, salty, tangy, and spicy, to symbolize the different experiences of life was prepared. Later in the evening, the music boys offered a special musical program celebrating the beginning of the new year with divine melodies.





### **International Women's Day Celebration, Anantapur, March 08, 2023**

On March 8, 2023, as part of the International Women's Day celebration in Anantapur, Mrs. Amudha Ranganathan, a highly experienced counsellor with a wide-ranging background in various NGOs and government sectors across India, and an alumna, spoke on the occasion delivering a powerful message. Over four days leading up to this event, she conducted counseling sessions for students at SSSIHL. During her keynote address, Mrs. Amudha emphasized the true essence of women's empowerment, drawing inspiration from Bhagawan's teachings.

She shared her journey as a counselor, highlighting the challenges she faced as a woman and how Bhagawan's guidance enabled her to overcome these obstacles. Mrs. Amudha underscored the need to celebrate womanhood as a divine blessing and encouraged women to unlock their full potential, achieve their aspirations, and uphold their cultural values to foster a harmonious environment. She firmly advocated against tolerating any form of abuse and reiterated Swami's teachings on building homes grounded in five fundamental human values, ensuring security and peace for all who enter. She concluded by reassuring the audience that righteousness is supported by Swami, instilling confidence in doing what is right without fear. Her address served as an inspiring call to empower women and promote values in society.

### **International Mother Language Day, Anantapur, February 23, 2023**

In the context of globalization and the growing global cultural needs, UNESCO promotes multilingual education based on mother tongue or first language by celebrating International Mother Language Day on the 21 February, every year. This idea resonates closely with our beloved Founder Chancellor's view on the importance of respecting and remembering one's mother language. Baba's discourses were always in His mother tongue, Telugu.

Taking this opportunity to celebrate the unity in diversity of our country, the Anantapur campus came up with a unique programme during the Culture Class on 23 February, whereby, 21 languages were presented on stage by 21 students representing their native/mother language. They were: 1) Sanskrit, 2) Assamese, 3) Baduga, 4) Bengali, 5) Bhojpuri, 6) Gujarathi, 7) Bunderkhandi, 8) Hindi, 9) Kannada, 10) Konkani, 11) Lambadi, 12) Malayalam, 13) Marathi, 14) Nepali, 15) Odiya, 16) Pahaadi, 17) Punjabi, 18) Saurashtra 19) Tamil, 20) Telugu and 21) Urdu.

### **MahaShivaratri, February 18, 2023**

The holy festival of Maha Shivarathri falls on the Krishna Chaturdasi day which is on the fourteenth day during the waning of the moon in the month of Megha, though in some years it may occur in the month of Phalguna. The students of all the campuses are fortunate to participate in the grand celebrations of this holy day at the Sai Kulwant Hall in Prasanthi Nilayam.

On 18 February 2023, the festivities started at 8.00 a.m. with sacred Vedic chants. This was followed by a magnificent



presentation by the university percussion band and university brass band. The students then rendered the Lingashtakam, Kalabhairavashtakam, and Bilvashtakam, and sang devotional songs. In the evening, the students witnessed the sacred Abhishekam of the Sayeeswara Linga chanting the Rudram, and Sri Sathya Sai Ashtottarashata Namavali and listened to the nectarine Discourse by Bhagavan. They then participated in the 12-hour-long Akhanda Bhajan (6 pm, 18 Feb to 6 am, 19 Feb). Students of each campus took turns to participate in singing the bhajans along with devotees. The sacred night vigil concluded at 6 a.m. on 19 February with Managala arathi and Prasadam distribution.

### **Foundation Day Celebration, Muddenahalli Campus, February 14, 2023**

The Muddenahalli Campus celebrated its 14th Foundation Day on February 14, 2023. The morning session commenced with Vedam chanting followed by Nagar-Sankirtan. The day's proceedings included a soul-stirring musical presentation by the students, infused with a touch of classical and modern music, interspersed with a short skit depicting the importance of the day.

### **Retreat Day Celebrations, Muddenahalli Campus, February 11, 2023**

The students came together to reminisce and recount their experiences from their weeks of campus preparation, practice, and rehearsals for the SSSIHL Annual Sports and Cultural Meet 2023, which was held on 11 January 2023 at the Sri Sathya Sai Hill View Stadium, Prasanthi Nilayam to promote sportsmanship, cultural diversity, and unity among students, faculty, and staff. Students relived the memories of sharing their learnings through stories of courage, determination, faith, and hard work that helped them overcome their fears, face challenges, and deliver beautiful events as their offerings to Bhagawan.

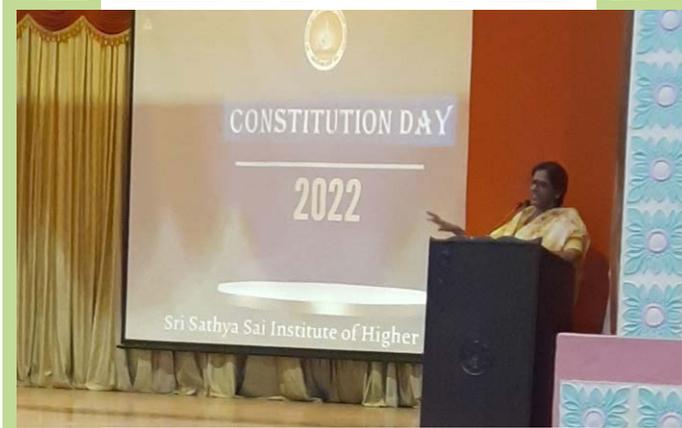
### **Republic Day, January 26, 2023**

Republic Day is celebrated every year on 26th January to commemorate the date on which the Constitution of India came into effect. The celebrations at the Anantapur Campus started with the hoisting of the National Flag by the Director, Dr. M Praphulla, and was followed by the National Anthem, and patriotic songs performed by the students. The students paid their tribute to the martyrs with a grand parade and salute.

The Brindavan Campus had Air Commodore Tarun Kumar Sinha as the Chief Guest. He inspired the students with his personal experiences in protecting the sovereignty of the nation. He later met the students in smaller groups, interacting and advising them on how to face the challenges of life. Sri Dipesh Salamatani of III B.Com. also spoke on the occasion.

The students and staff of the Muddenahalli campus participated in the flag hoisting ceremony and had the honour of listening to an inspirational talk by the Chief guest Col. G K Sood, who served the Indian Army across all theatres and commands in the artillery initially and later in the Intelligence Corps, from 1973 to 1998. The talk was preceded by the rendering of patriotic songs by the music team of the campus.





At the Prasanthi Nilayam Campus, the program commenced with the hoisting of the flag by the Campus Director, Dr. Raghavender Raju, in the presence of the Vice-Chancellor (Acting), Prof. B Sai Giridhar, and other senior administrative staff of the university and students. After saluting the flag, the National anthem was sung followed by an address by the Director. Later, the students of the Dept. of Music and the Institute's Brass Band presented a few patriotic songs filling the air with patriotism.

#### **Christmas, December 25, 2022**

Christmas is very special for students at SSSIHL. Faculty and staff who have had the opportunity to celebrate this holy day with Bhagawan, have often shared with current students their cherished memories of candle-lit marches of students to have Bhagawan's silver-door Darshan in the peaceful early hours of Christmas morning at Prasanthi Nilayam that are still so fresh and vivid in their minds. Students from all the campuses organised multifaith prayers, sang carols, and also enacted short plays from the Life of Jesus. Some of the students prepared a manger depicting the birth of baby Jesus and baked special Cakes to celebrate the occasion. Christmas carols reverberated throughout the day on the campus with a special dinner for all. The students at the Prasanthi Nilayam campus had the opportunity to participate in the celebrations at the Sai Kulwant Hall and present Carols and other songs creating a magical atmosphere that helped people experience the 'Brotherhood of Mankind and Fatherhood of God'

#### **Samvidhan Divas - National Constitution Day, November 26, 2022**

Samvidhan Divas, also known as Constitution Day, is observed on 26th November annually to commemorate the adoption of the Indian constitution and honor its founding fathers.

At the Anantapur Campus, Dr. (Ms.) M R Geetha Bala, the Head of the Department of Humanities and Social Sciences, delivered a talk about the basics of the Indian Constitution. She emphasized the importance of Constitution Day, the history and significance of the Constitution, and covered the Constitution's Preamble. The session concluded with an engaging quiz on the constitution in which the audience participated enthusiastically. In the Brindavan Campus, staff gathered to collectively read aloud the preamble of the Indian Constitution, emphasizing how the Constitution's framers ensured the protection of the nation's integrity. At the Muddenahalli Campus, students were shown a video presentation explaining the origin and significance of the Indian Constitution.

The Prasanthi Nilayam Campus focused on the theme "India - the Mother of Democracy" for Constitution Day. Dr. L Goverthanam, Honorary Associate Professor in the Department of Management and Commerce, spoke about the significance of Constitution Day. Campus Director and Associate Prof. in the Dept. of Humanities and Social Sciences, Dr. G Raghvender Raju, discussed the relationship between rights and duties. The event culminated with the enthusiastic reading of the preamble of the Indian Constitution by all students and faculty members.



### 97th Birthday Celebrations of Founder Chancellor, Sri Sathya Sai Baba, Prasanthi Nilayam

The students and staff took part in the week-long celebrations to commemorate the 97th Birthday of our Founder Chancellor Bhagawan Sri Sathya Sai Baba. This included witnessing and participating in the Sri Sathya Sai Sathyanarayana Vratam, followed by the annual Venugopala Swami Rathotsavam on 18th November, Ladies' Day Celebrations on 19th November, the launch of the 'Narayan Seva' program brochure followed by Sri Sathya Sai Laksharchana on 20th November and the launch of the 'Ceiling of Desires' program on 21st November, both in the run-up to the Centenary celebrations in 2025, and devotional music programs offered by SSSSO Nepal, and Pt. Ronu Majumdar on 21st evening.

The most auspicious day of 23rd November started with the full-throated chanting of Rudram, followed by the SSSIHL percussion band, and an enthralling melodic musical offering 'Guru Vandana' by the Prasanthi Mandir Bhajan Group. An important highlight of the day's proceedings was the launch of yet another initiative called 'Sri Sathya Sai Prema Tharu' a humble yet ambitious tree plantation drive with an objective of planting 10 million saplings by the centenary year in 2025. Students offered their prayers and love to the founder chancellor through handmade cards and Birthday Cakes. Later in the evening, they participated in the Sri Sathya Sai Suvarna Rathotsavam and Sri Sathya Sai Jhoola Mahotsavam. This was followed by a divine offering by popular Indian Violinist Sri L Subramaniam and noted playback singer Smt Kavita Krishnamurthy.

### Ladies' Day, November 19, 2022

The Ladies' Day programme was celebrated on 19th November 2022 at the Sai Kulwant Hall, Prasanthi Nilayam.

Renowned for its rich culture, Bharat has consistently championed women's empowerment. The land that often boasts of the heroics of Sita, Sati, and Savitri got a shot in its arms when Bhagawan Sri Sathya Sai declared November 19 as Ladies' Day in 1995, thus blessing the women folk, and empowering them with His Divine grace. He urged greater participation of women in a social and spiritual revolution. The celebration commenced with a lively procession led by female students, featuring the Anantapur Brass Band, the Bagpiper Band comprising higher secondary girls, and the Anantapur Percussion Band, playing uplifting tunes.

Ms. Rajeshwari Patel, the programme coordinator, eloquently discussed the origins and significance of Ladies' Day. The chief guest for the day, Ms. Tejaswini Ananth Kumar, a respected social worker from Bengaluru, addressed the gathering. The event culminated with Bhagawan's Divine discourse wherein He highlighted the importance of women's contributions and their role in building a better world.

### Vigilance Awareness Week 2022, October 31- November 06, 2022

As decided by the commission, the Vigilance Awareness Week was observed from October 31- November 06, 2022. Relevant informational material was displayed at the Anantapur Campus to spread awareness about the same. The Students of the Humanities and Social Science Department in the Prasanthi Nilayam campus participated in a Panel discussion



discussing the issues of Corruption, scams, and scandals, that have plagued both administration and governance from one government to another and its impact on the economy. Terrorism and Naxalism were seen as the hidden face of corruption. Various mechanisms to tackle the menace were discussed with the objective of a corruption-free India that can enable the government's attention to more pressing and real issues. The Program ended with the Pledge followed by the National Anthem.

### Deepavali - The Festival of Lights, October 24, 2022

The celebration of Deepavali on our campuses saw students from various communities come together in a joyful display of unity and festivity. Traditional rituals like Lakshmi puja marked the beginning of the festivities, accompanied by melodious bhajans and a sense of spiritual reverence. As the evening progressed, the atmosphere at the hostel campus grounds resonated with a spectacular display of fireworks, lighting up the night sky in vibrant colors casting a spell of wonder and amazement on all those present. One of the most enchanting sights was the release of colorful sky lanterns into the heavens. This visual spectacle was a testament to the collective effort of the participants of the women's campus, who skillfully guided these lanterns high into the sky, creating a mesmerizing display. Overall, Deepavali's celebration was a heartwarming and cherished event, fostering a sense of togetherness and joy across different locations.

### Dussehra, September 29 - October 5, 2022

The students and staff are fortunate to participate in the Dussehra Celebrations held at the Sai Kulwant Hall and Poornachandra Auditorium. As part of the 10-day festivities, the students get to witness and participate in the *Veda Purusha Saptaha Jnana Yajna* marked as one of the dotted festivals of Prasanthi Nilayam ever since its inception way back in 1962 aiming at promoting world peace. The Dasara Jnana Saptaha Yajna 2022 was held from 29 Sep - 05 Oct concluding with the



offering of the Maha Poornahuthi at the Poornachandra Auditorium. The students also had the opportunity to witness and participate in the 'Prasanthi Vidwan Mahasabha' held in the evening during these seven days. They also witnessed the Ayudha Puja Celebrations on the 8th day of the ongoing Dasara festivity, Prasanthi Nilayam.

The Prasanthi Dance Group comprising of students across the streams, from all Sri Sathya Sai Institutions, from the primary to the post-graduate level presented a thematic dance presentation titled 'Bharateeyam'. As the title indicates, the offering was an ensemble of various Indian dance offerings, namely, Bharatanatyam, Kuchipudi, Kathak, Manipuri, Odyssey, and Mohiniyattam. High in energy and deep in meaning the special offering was a colourful expression comprehending the Innate Divinity.

### 'Amma Se Maa Tak' - A Musical Offering, Muddenahalli Campus, September 30, 2022

The students of SSSIHL, Muddenahalli Campus presented a music program on the theme 'Amma Se Maa Tak' based on the ideals of Lord Rama on the evening of 30th September 2022. They presented songs on various deities starting with the shloka Gajananam Bhoota Ganasi Sevitam. They concluded the program soulfully rendering the Naama Ramayanam.

### 'Bhakti Rasa Mala' - A Musical Offering, Anantapur Campus, October 04, 2022

The students of the Anantapur campus offered a musical presentation titled "Bhakti Rasa Mala" on 4th October 2022 at Prasanthi Nilayam. The music group consisting of 19 students from across the undergraduate and postgraduate programmes, were accompanied on the Tabla and Mridangam by Shri. Prajapati and Shri. Sai Dath respectively, both faculty members from the Department of Music, SSSIHL. They presented five songs written by the saints of India, Meerabai, Purandaradasa, Muthuswami Dikshithar, Annamacharya, and Eknath.



### Swachhta Pakhwada, September 13-15, 2022

On the occasion of 'Swachhta Pakhwada', initiated by the Ministry of Jal Shakti, Govt. of India, the following activities were held at our campuses: a seminar presentation on "Swachhta in Educational Institutions" to raise the importance of cleanliness in the campus, several saplings were planted, a 'slogan board' activity was organised, whereby students were asked to prepare slogans on the cleanliness of their choice and paste it on a board meant for it, a talk on the introduction on Swachh Bharat Mission and Swachhta Pakhwada, a video presentation on Swachh Bharath Abhiyaan, a presentation on the impact of Swachh Bharath in India, Sanitation & Sewage treatment and Health & Hygiene, a video of Bhagawan's message on Cleanliness, and initiatives by SSSIHL towards Swachhta inside & outside the campus., a sketching & poster competition. In the end, the Swachhta Pledge was administered followed by the National Anthem. The activities helped the students and staff understand the importance of a 'green campus' and a 'clean campus'.

### Hindi Diwas, September 14, 2022

On the 14th of September, Hindi Diwas was celebrated with a lot of enthusiasm by the students of the Hindi department on campus. Led by the Director of the campus, Dr. Praphulla, and Associate Prof. (Hindi) Dr. Ms. Kiron Bala, the programme saw a Bharatnatyam dance recital, by a group of students, a drama set in a classroom, students speaking on the significance of the day, poem recital, followed by a song with love for the wonderful language, Hindi. The programme concluded with the National Anthem played by the brass band of the campus followed by Aarti.

### Shikshak Parv (Teacher's Day), September 05, 2022

During the celebration of Teacher's Day (Shikshak Parv) at the Sri Sathya Sai Institution of Higher Learning from September 5 to September 9, 2022, the Anantapur Campus organized a skit and group discussion focused on Dr. Sarvepalli Radhakrishnan's life and contributions, a video presentation



showcasing Dr. S. Radhakrishnan's journey and his passion for books, inspiring both students and teachers and a declamation act by a student depicting Dr. S. Radhakrishnan delivering a speech on the importance of reading and the various types of books that shape young minds.

A felicitation ceremony for superannuated teachers was held for their immeasurable service and dedication towards the Institute, gifting them with tokens of love and appreciation, expressing their gratitude to the teachers - Dr. Dwaraka Rani Rao, Associate Professor, Dept. of Physics, Dr. Seethalakshmi Laxmanan, Associate Professor, Dept. of Biosciences, Dr. B. Rudramamba, Associate Professor, Dept. of Education, Ms. M. Vijayalakshmi, Asst. Professor, Dept. of History, Dr. Kiron Bala Arora, Associate Professor, Dept. of Hindi, Dr. Sharada Subramaniam, Associate Professor, Dept. of Philosophy, Dr. Rita Gupta, Associate Professor, Dept. of Mathematics and Dr. M. Venkatalakshmi, Asst. Professor, Dept. of Philosophy.

Students from the Department of Education organized a program called "Gratitude to Teachers from Prospective Teachers" to honor their educators. The event featured the felicitation of Prof. Madhu Kapani from the Department of Education, artistic performances including poetry recitation, singing, and dancing, a dramatic portrayal of renowned educationists - Dr. A. P. J. Abdul Kalam, Dr. S. Radhakrishnan, and Maria Montessori, emphasizing the enduring influence of their teachings. A discourse by the Founder Chancellor on the roles of different types of teachers - those who complain, motivate, and inspire.

During the Shikshak Parv celebration at the Prasanthi Nilayam Campus from September 5th to 9th, students expressed their gratitude to their teachers through various activities. The event was graced by the Chancellor, Vice-Chancellor, and the Registrar of the Institute. Eleven superannuated faculty members who had been pillars of support for their departments over the years were Felicited - They are Sri Arvind Hejmadi, Placement Officer, Prof. R Kumar Bhaskar, Sri V N Prakash Sharma, Asst. Professor, and Sri Roop Arora, Visiting Faculty, all from the Dept. of Management & Commerce; Prof. V Chandrasekaran and Dr. K S Sridharan, Professor, from the Dept. of Mathematics & Computer Science; Prof. G Nageswara Rao, Professor, Dept. of Chemistry, Prof. R Prabhakara Rao, Dept. of Humanities and Social Sciences (Economics), Prof. S Siva Sankara Sai, Dept. of Physics, and Prof. B S Vijayakumar, Biosciences.

Other key activities included, a song medley dedicated to teachers, students expressed gratitude to current teachers by presenting customized cards for each department, postgraduate students presenting a medley of songs as a collective tribute to Bhagawan Sri Sathya Sai Baba, the eternal teacher, personal expressions of gratitude through meetings, speeches, fun games, recitals, and sharing of experiences between students and teachers, talks by students and faculty members on topics such as "Guru-Shishya relation in Vedas and



Puranas," "Bhagawan Sri Sathya Sai Baba as the Ideal Teacher," "Role and Importance of Guru," and "Philosophy of Education."

The Muddenahalli Campus celebrated Teachers' Day with several activities to express gratitude to their educators, which included, a talk by a student, Ashad Iqbal Ansari, on the significance of celebrating the day by remembering great teachers produced by the country, a visit by the Vice-Chancellor on September 9th, who interacted with students and teachers, emphasizing the vital role of teachers in shaping students for the betterment of society and felicitation of all teachers, acknowledging their contributions.

Similarly, the Brindavan Campus also paid homage to their teachers through various activities: Fun games organized by students for their teachers to create a joyful atmosphere, a talk by a final-year B.Com. student, Sri Nityam Gaba, on the importance of Teachers' Day, a gesture of respect and gratitude from staff and students toward their teachers by way of a Salute, and felicitation of nine retired faculty members, recognizing their dedicated service - Dr. T Ravikumar, Associate Professor, Dr. K.S. Narahari Associate Professor, and Prof. C N Sundaresan, Dept. of Chemistry; Sri. R. Subramaniam Associate Professor, Dept of Mathematics & Computer Science, Prof. N. Venkatesha Rao, Dept of Languages and Literature (Sanskrit), Sri. M.G. Nandagopal, Asst. Librarian, Sri. Rajkumar Jain, Associate Professor, Physics, Dr. A. Ashok, Associate Professor, Biosciences, and Prof. P. Ramesam (in absentia), Asst. Professor, Telugu Language & Literature.

Overall, these activities across campuses celebrated the importance of teachers and the Guru-Shishya relationship while fostering a sense of gratefulness among students.

### **Sri Ganesh Chaturthi, August 31, 2022**

The students at their respective campuses had a three-day celebration of Ganesha Chaturthi with puja and cultural offerings. This included the 'Shodasha Puja' with 16 types of offerings amid chants of the Ganesha Ashthothram and Ganesha Pancha Ratnam, musical offerings, a quiz, and a skit. The final day saw the procession for the Ganesha Visarjan done as per the rituals. True to the custom, Prasanthi Nilayam bid farewell to scores of Ganeshas with heightened exuberance, marking the proceedings of the Ganesha Nimarjan ceremony in the immediate Divine Omni presence. The 'immersion' ceremony symbolizes man's evolution from Sakara to Nirakara, 'Form' to 'Formless'.

### **Sri Krishna Janmashtami, August 19, 2022**

The Birthday of Lord Krishna was celebrated with gaiety and happiness on all the campuses. The celebration began with a procession of cows, calves, rabbits, and a few birds from the Gokulam to the Mandir where they are worshipped and fed. This was followed by the singing of shlokas and other devotional songs and bhajans all sung in praise of Lord Krishna. The students celebrated the festivities at their hostels with a pot-breaking ceremony (Govinda Ala Re) that involved a human pyramid formation followed by a music programme and an elaborate festive dinner in the evening.



# 75 Azadi Ka Amrit Mahotsav

## Celebrating Azadi Ka Amrit Mahotsav, August 10-15, 2022

'Azadi Ka Amrit Mahotsav' an excellent initiative by the Ministry of Culture, Government of India, has had great reach and impact on the student community across the country.

Highly motivated and charged, the students and staff of Sri Sathya Sai Institute of Higher Learning participated with great patriotic spirit and enthusiasm in the Har Ghar Tiranga program and the Partition Horrors Remembrance Day, leading to the 76th Independence Day celebrations, also commemorating 75 glorious years of Indian Independence, as part of the 'Azadi Ka Amrit Mahotsav' celebrations.

It allowed them to revisit and remember India's rich history, heritage, culture, and achievements and to pay homage to the valiant sons and daughters of our Motherland for their sacrifices, by rising to the call and presenting their patriotism through various activities like flag hoisting, music, theatre, panel discussions, speeches, declamation and more. A detailed summary of the various activities the students and staff conducted is shared below. [View More](#)

*This land of Bharat is the motherland of great people, who acquired name and fame in different continents.*

*This land of Bharat is the battlefield where the warriors of the foreign country were driven out and freedom from foreign rule acquired.*

*This land of Bharat has acquired great name and fame for erudite scholarship.*

*This land of Bharat is a divine land that has produced great intellectuals in the fields of music, art, literature, and various sciences.*

*Having been born in such a great land of Bharat, Oh students!*

*The responsibility to protect the wealth of righteousness of this country is yours*

**Bhagawan Sri Sathya Sai Baba**

*Founder Chancellor,*

*Sri Sathya Sai Institute of Higher Learning*



### Celebrating the 76th Independence Day - Marking 75 Glorious Years of Indian Independence

15 August 2022 marks the 76th Independence Day of free India. It also marked the celebration of 75 glorious years of freedom. Reminiscing the struggle and sacrifices made by Mother India's brave and noble children, the students and staff of Sri Sathya Sai Institute of Higher Learning celebrated this momentous day with great pride in our hearts as part of the culmination of the week-long celebrations of Azadi Ki Amrit Mahotsav, across all four campuses.

#### Prasanthi Nilayam Campus

Air-Vice Marshal Dr. Vinod Kumar Varma was the Chief guest at the Prasanthi Nilayam Campus. The Chancellor, The Registrar, and the Controller of Examinations were present at the event. The Campus Director hoisted the National Flag, which was followed by the National Anthem.

Air-Vice Marshal Dr. Vinod Kumar Varma addressed the students and staff highlighting the sacrifice made by several heroes like Ram Prasad Bismil, Savarkar, and Subhash Chandra Bose. Speaking on the progress the nation has made over the last 75 years. He referred to India's improved manufacturing capabilities catering to the need of its Defence requirements, the role and contribution of women in the armed forces, and India's recent role in supporting the global need for COVID-19 vaccines. His speech was followed by melodious patriotic songs presented by the Music College students, that filled the air with nationalistic fervour and pride.

### Jaga Hai Desh Mera - A Drama Presentation, Sai Kulwant Hall, Prasanthi Nilayam, August 15, 2022

On the occasion of Indian Independence, the postgraduate students presented a drama entitled "Jaga Hai Desh Mera" in the Sai Kulwant Hall, Prasanthi Nilayam. The drama revolves around the lives of two childhood friends who dreamt of making a difference in society. The energetic dance, vibrant actors, artistic sets, and enthusiastic audience made the presentation visually appealing and engaging. The story dwells on pertinent questions relating to an individual's contributions to making Bharat Atma Nirbhar. The drama also brings out Bhagawan Sri Sathya Sai Baba's invaluable contribution to nation-building, be it educational institutions, water projects, or the healthcare infrastructure. It also drove home the message of how we can be loving and caring to those needy in society.

#### Muddenahalli Campus

The staff and students of the Muddenahalli campus were honored to have Colonel Aravind Bhagra (Ret.) as the Chief Guest for the celebrations. Escorted to the centre stage with a slow march by the senior students, Colonel Aravind Bhagra (Ret.) hoisted the National Flag which was followed by the singing of the National Anthem by all present.

Songs rendered by the music team filled the air with patriotic vibes. Later, Colonel Aravind Bhagra (Ret.) addressed the students and staff, sharing his war zone experiences, and highlighting the ultimate sacrifices made by our Jawans to safeguard our land. He also encouraged students to join the defence services and serve the country. The event concluded



with prize distribution to winners in a few events followed by the planting of saplings on the campus by the chief guest and the students.

### Brindavan Campus

The celebrations at the Brindavan campus had our revered Chief Guest Brig. M.B. Shashidhar (Ret.) hoist the National Flag. The students and staff then saluted the flag, followed by the National Anthem. Sri Sai Nikhil Kalluri, final year B.Com. (H), spoke on the topic 'India @ 75' in Hindi. This was followed by a speech by the Chief Guest Brig. M.B. Shashidhar (Ret.), spoke about the various challenges faced by India.

### Anantapur Campus

Leading to the Independence Day Celebrations, the campus had organised a week-long activity to mark 75 years of Indian Independence, starting 10 August. This included: A talk delivered by Miss. Adithya Mishra, a student of 2nd PG FNS on the greatness of our country Bharat through the lives of Heroes who lived and died for the glory of Bharat (10 August); a panel discussion on the elucidation of India being the 'Golden Bird' for its diverse attributes, an intense deliberation on the various battles fought, covering several landmark events from the pre-independence era to the reforms and achievements of the post-independence era to date (11 August); a presentation on the topic, "Unsung Heroes " by the students of the History, showcasing the contribution of people like Khudiram Bose, Matagani Hazra, Lakshmi Shegal and Helen Lepcha (12 August); narrations and character depictions of the 1857 revolt, Chamaparan Movement and Vande Mataram Movement,

Unity in diversity was depicted through a classical dance programme, a video presentation titled 'Vande Mataram' (13 August) and observing Partition horror remembrance day (14 August).

On Independence Day, the session began with the singing of 'Vande Mataram'. The Director of the Campus was then escorted to hoist the National Flag. The staff and students with great pride and joy saluted the flag, which was followed by the National Anthem. A parade of nearly 500 students (Sai Soldiers of Bharat) was led by Ms. Kesavani of II M.Sc. (F.N.S) and the commanders of the four houses. The march past was followed by poems recitations and speeches highlighting the struggles of our freedom fighters and talking about the still colonized minds of the Indians. The speeches motivated everyone to take our culture and heritage one step ahead. This was followed by a small character portrayal event depicting several valiant sons and daughters of Bharat and patriotic songs were sung glorifying our patriotic heroes who sacrificed their lives for the freedom of our country.

On this occasion, we fondly remember the words of our founder Chancellor Bhagawan Sri Sathya Sai Baba, who said *"It is the patriotism and spirit of sacrifice enshrined in the hearts of the people and their spiritual outlook that will protect the nation"*.





## Har Ghar Tiranga, August 10-15, 2022

The students and staff of the Sri Sathya Sai Institution of Higher Learning actively participated in the Har Ghar Tiranga program as part of the Azadi Ka Amrut Mahotsav between 10-15 August 2022, across all its campuses. A brief report on the various activities is shared below:

- **Pinning the Flag:** Flags were pinned by SSSIHL on harghartiranga.com
- **Selfie with Tiranga:** The students actively participated in the Har Ghar Tiranga program by sharing their selfie pictures with the tricolour and uploading them on the Har Ghar Tiranga website.
- **Hoisting the Flag:** The National Flag was hoisted on the institute and hostel buildings. In addition, the faculty and staff hoisted flags at their homes too.
- **Photo spots** were created for students and staff to take photographs with the Tiranga. Close to 400 photographs were taken. These photos are being uploaded on the harghartiranga.com website.
- **A plantation activity** was taken up by the students of the Muddenahalli campus - a few saplings were planted on the campus premises.
- **Digital Poster:** The students of the Muddenahalli campus designed a digital poster for the 76th Independence Day of our country. A printed miniature version of the poster was distributed among the students and staff to clip onto their shirts.
- **Student Talks:** During the Morning Campus Prayer, there was a talk by two students. Sri. Harsh Kumar of II M.Sc. (Biosciences), spoke on the Har Ghar Tiranga initiative by the Ministry of Culture, Government of India, and Miss. Adithya Mishra, II M.Sc. Food & Nutritional Sciences spoke about the greatness of our Bharat, the exceptional lives of patriotic Bharatiyas, the virtues Bhartiya are blessed with, and the importance of Indians realising their true potential and value of Bhartiya samskruti.
- **A panel discussion** by the students of the Anantapur campus focusing on the landmark events from the pre-independence era to current-day Bharat - beginning with the Battle of Buxar and Plassey, the revolt of 1857 to Jallianwala Bagh massacre, Civil Disobedience, Dandi March, Champaran, Satyagraha to post-independence milestones which include economic and social reforms, industrial & agricultural policies, and several achievements in the field of science and technology to current day initiatives like Digital India and the Vaccine Maitri.
- **A presentation** by the students of the Anantapur campus on the topic, "Unsung Heroes" by Miss Pratiksha Pradhan, Miss Shreya Jain, Miss Saring Gurung, and Miss Bilvani Saina, students of B.A. (History) who spoke on the contributions of brave freedom fighters like Khudiram Bose, Matagani Hazra, Lakshmi Sehgal, and Helen Lepcha.





- **Narrations and character depictions** by students depicted the heroic movements in India's independence struggles like the 1857 revolt, Champaran Movement, and Vande Mataram Movement.
- **India as 'Sone ki Chidiya'** was depicted by the students through the life of great rulers from Ancient Indian History such as Chandragupta Maurya, Ashoka, and others.
- **Dance Performances:** There were two performances, one, depicting unity in diversity through various classical dance forms including Kathak, Kuchipudi, Bharatanatyam, and Mohiniattam were performed showcasing the beauty of Indian culture. Another depicted the spirit of the Indian flag and the joy of celebrating Azadi ka Amrit Mahotsav by students of 1st year B.Ed. and 1st-year P.G. Bioscience, which energized the audience
- **Two video presentations**, one titled 'Vande Mataram' showcased the cultural heritage of India from east to west and North to south. It showed how the National Flag is held high in the dryness of the desert as well as in the heights of the mountains and the depth of the ocean. The program rekindled the pride of being an Indian. The other video was that of the Har Ghar Tiranga song which motivated and brought in a sense of patriotism among the students and staff.
- **A song presentation** 'Ae Watan Mere' was melodiously rendered filling the entire audience with the feeling of love and reverence for the motherland.
- **A declamation programme** saw 4 students - Miss C Ramya Keethana of III B.A. as Subash Chandra Bose, Miss Ashmenee Mangrati of III B.A. as Annie Besant, Miss Anamika Rai of III B.A. as Jawaharlal Nehru and Miss Sai Harini R of III B. Com. as Sarojini Naidu, inspire the audience through powerful delivery of excerpts of famous speeches delivered by their respective personalities during the Independence struggle.

#### Partition Horrors Remembrance Day, August 14, 2022

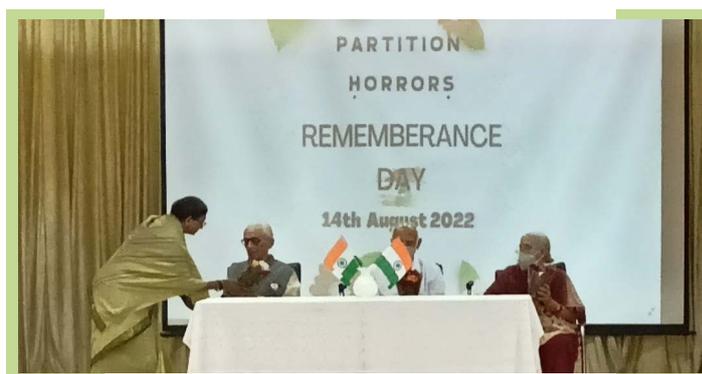
On August 14, 2022, the Sri Sathya Sai Institution of Higher Learning organized Partition Horrors Remembrance Day across its campuses to commemorate the sacrifices and suffering endured by those affected by the partition of India in 1947. The day aimed to reflect on the displacement and violence faced by individuals on religious grounds during this traumatic period.

At the women's campus in Anantapur, the institution welcomed distinguished guests, Flt. Lt. Ramnarain Khanuja (Ret.), and Hony. Lt. Sur Singh Bhandari (Ret.) who had both experienced the horrors of partition first-hand. Flt. Lt. Ramnarain Khanuja served in the Indian Air Force in the capacity of a Technical Ground Engineer and participated in three wars, including conflicts with Pakistan and China. Hony. Lt. Sur Singh Bhandari (Ret.) served in the Indian Navy from 1956 to 1991 (35.5 years). Mr. Bhandari had taken an active part in the 1965 and 1971 wars with Pakistan on board the Naval Warships, INS Betwa, and INS Kirpan respectively.

Their experiences were shared with faculty and students, and they inaugurated an exhibition curated by the Indian Council of Historical Research and the Indira Gandhi National Centre for the Arts, which depicted the sufferings of partition-affected people. Following this, Dr. Rajani Bhandari and Dr. Kiran Bala Arora delivered moving talks about their parents' experiences during the partition and their subsequent service to the nation. The program concluded with Mangala Aarati and the campus Brass Band playing the National Anthem, fostering a sense of national unity and remembrance.

At the Prasanthi Nilayam Campus, the day began with an introduction to the Azadi Ka Amrit Mahotsav (AKAM), by Sri. Harsh Kumar of II M.Sc. (Biosciences), followed by introductory remarks by the Director, Prasanthi Nilayam Campus who gave the students a brief background on the partition of India. This was followed by a keynote address by Prof. R Gangadhara Sastry, who discussed the horrors unleashed by India's partition. He highlighted the trauma suffered by men, women, and children who were displaced, and lost loved ones, and their property during the violence. An exhibition on the topic curated by ICHR and IGNCIA was also shown to the students. The Brindavan Campus showcased digital exhibits, that were also prominently displayed from 11-16 August 2022 providing students with a glimpse into the immense impact of the partition on millions of people who were forced to leave their homes. They witnessed the agony of families torn apart and exposed to violence and hatred, emphasizing the need for love, unity, and tolerance in society. Meanwhile, at the Muddenahalli Campus, exhibits on the partition were displayed, and students learned that it was not war or famine but selfishness, religious intolerance, and a lack of unity that led to one of the largest forced migrations in history.

In summary, the Partition Horrors Remembrance Day activities served as a poignant reminder to students of the sacrifices made by their forefathers for the freedom they enjoy today. They learned about the profound consequences of selfishness and intolerance and were encouraged to prioritize love, unity, and tolerance as the foundation for peaceful coexistence in society. This observance not only preserved the memory of a painful period in history but also provided valuable lessons for a more harmonious future.





भारत 2023 INDIA

वयुधेव कुटुम्बकम्

ONE EARTH • ONE FAMILY • ONE FUTURE

### Celebrating India's G20 Presidency at our Campuses

India's G20 Presidency in 2023 was marked by a series of activities at various campuses to raise awareness and celebrate this significant role on the global stage.

- At the Anantapur campus, a painting competition was held on February 22, 2023, with students from undergraduate and postgraduate programs participating actively. The theme of the competition revolved around "Vasudeva Kutumbakam" and "LIFE-Lifestyle for Environment," promoting environmental protection and an eco-friendly lifestyle. The event is part of a series of G20 Awareness campaign programmes organized by the Anantapur campus aligned with India's commitment to addressing climate change issues.
- On February 21, 2023, the Director of the Prasanthi Nilayam Campus addressed students, shedding light on the importance of India's G20 Presidency. He covered various aspects, including the G20's role in the international economic forum, the duration of India's Presidency (December 1, 2022, to November 30, 2023), the theme of India's Presidency, "Vasudhaiva Kutumbakam" or "One Earth · One Family," and the significant impact of India's Presidency on global policy and the post-pandemic economic agenda.
- The Campus also organised a painting competition from February 22-26, 2023, with the theme "Vasudhaiva Kutumbakam." The winners were Prithibi Mukhia (I.M.A.), Norsang Tamang (II B.A.), and Priyam Sunam (I B.A.). A crossword competition was held on March 25, 2023, with 27 students participating from both undergraduate and postgraduate programs. The winners included Gudumasu Chetan Kumar (II B.A.) and G Sai Kumar (I B.Sc.) in the undergraduate category, and Paritala Naga Jagadeesh Gupta (II M.A.) and Pradyumna Kumar Sahoo (I M.A.) in the postgraduate category.
- Additionally, a program titled "Mera Bharath Mahan" aimed to highlight India's rich knowledge system. This event took place on April 13, 2023, in the Prasanthi Nilayam campus auditorium during the Moral Class. During the program, II BA students performed a skit centered on the theme "Ancient Indian Knowledge System." They showcased India's contributions to various fields through books and their authors, covering topics such as Indian architecture, ancient educational systems, science, music, mathematics, astronomy, and Ayurveda.
- In the realm of architecture, the students discussed the Dravidian and Vijayanagara styles, the Mahabalipuram rock-cut caves, and temples of various dynasties. They also highlighted India's historical prominence in education,

citing institutions like Takshila, Chanakya, Panini, and Nalanda.

- The program delved into Indian achievements in science, including the accurate prediction of the Earth-Sun distance in the Hanuman Chalisa, the atomic theory by Acharya Kanad, and India's contributions to metallurgy and rocketry. Indian music's origins were also explored, tracing back to Sama Veda and Sri Narada Muni. The students emphasized India's mathematical prowess, discussing Arybhata's invention of zero, contributions to algebra, arithmetic, trigonometry, and the discoveries of the Kerala School of Astronomy. Indian astronomy's references in ancient texts, the Heliocentric Theory by Aryabatta, and Varahamihira's prediction of water on Mars were highlighted.
- Furthermore, the program showcased India's ancient Ayurvedic system, discussing texts like Charak Samhita, Sushrutasamhita, and Astanga Hrdaya.
- These activities celebrated India's diverse knowledge heritage and contributions to the world across various fields. They served as a fitting tribute to India's G20 Presidency, emphasizing the nation's rich cultural and intellectual legacy on the global stage.



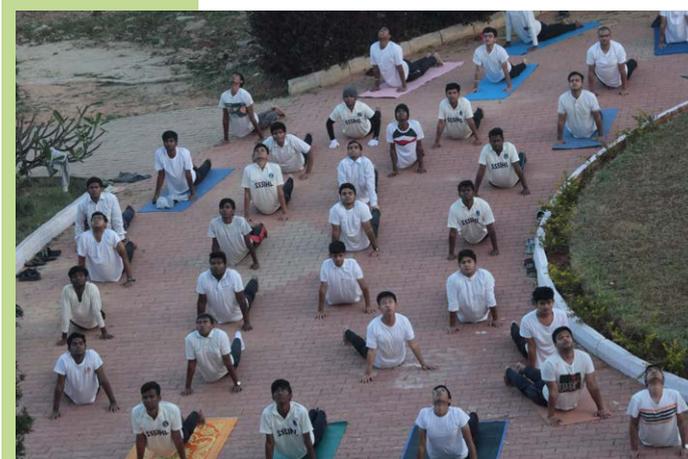
### Freshers Day, July-August, 2022

Freshers' Day celebrations took place at various campuses with an emphasis on showcasing the talents and fostering a sense of belonging among new students. At the Anantapur campus, first-year students from both undergraduate and postgraduate programs displayed their diverse talents, including Vedic chanting, Bhajan singing, percussion, dance, and acting. The event highlighted the integral education approach of SSSIHL, promoting proficiency in various forms of art. In Brindavan, fun games welcomed freshers, and they later presented a captivating program showcasing their talents. The Muddenahalli Campus celebrated with games in the morning and musical, dance, and skit performances in the evening. The Prasanthi Nilayam campus organized engaging activities, including games, invocatory Vedam, cultural performances, and insightful talks by esteemed speakers, fostering unity and inspiration among new students.

### International Yoga Day, June 21, 2022

The International Day of Yoga 2022 was observed with great enthusiasm and fervor at the Sri Sathya Sai International Centre for Sports (indoor stadium), Prasanthi Nilayam where students and faculty members gathered to commemorate this ancient practice of holistic well-being. The event was led by Yoga experts Sri Narayan Reddy and Sri Rajendra Prasad. The program commenced with the lighting of the ceremonial lamp, Jyoti Prajwalana, signifying the illumination of knowledge and the inner light of yoga. This auspicious ritual set the tone for a mindfulness, unity, and inner harmony session.

Led by Sri Narayan Reddy and Sri Rajendra Prasad, participants engaged in a series of yoga postures and techniques that were aligned with the common yoga protocol. Beyond the physical aspects, the teachers emphasized the broader aspects of yoga, including breath awareness and the cultivation of a serene inner state. There was a yoga performance by the students depicting complex asanas and formations. The event was not only an opportunity for physical well-being but also a reflection of the university's commitment to promoting holistic health and a balanced lifestyle among its students and faculty. In the run-up to the event, our campuses also held essays, posters, sketching, and video competitions for the students and the winners were announced during the event. In Brindavan, Sri Nakul Sanadi, Asst. Prof., DMC, gave a talk on the benefits of Yoga, and Sri Anand Srivastava, a Yoga instructor led the Yoga session.





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**Education is complete when one is perfectly clean inwardly and outwardly.  
Ignorance is the greatest curse of life. Ignorance is the greatest burden of life.  
Ignorance is the greatest darkness in disguise. Ignorance causes misery in life.  
'Blind' is not he who does not see; 'Blind' is one who is disinclined to see.  
'Ego' is the root cause of all troubles. Let the ego go, gone are all our troubles.**

Excerpt from Prema Dhara (Vol. 1)

**SRI SATHYA SAI BABA  
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