



|| Jai Sri Gurudev ||

Sri Adichunchangiri Shikshana Trust (R.)

SJC INSTITUTE OF TECHNOLOGY

VTU Affiliated, AICTE Approved, Accredited by NAAC & NBA
Chickballapur- 562101, Karnataka



DEPARTMENT OF AEROSPACE ENGINEERING

"STELLAR TIMES"

Tabloid

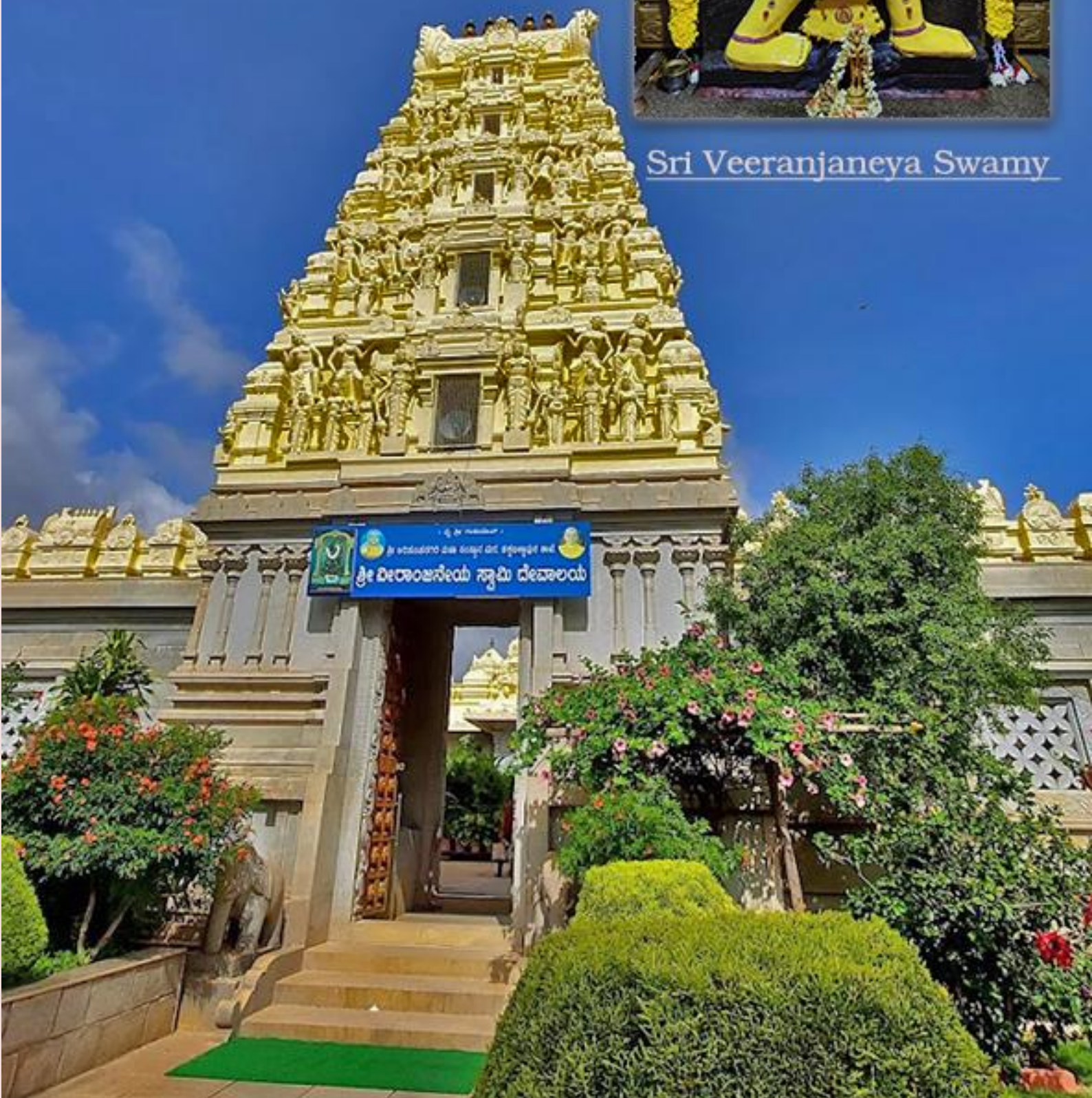
Vol-1

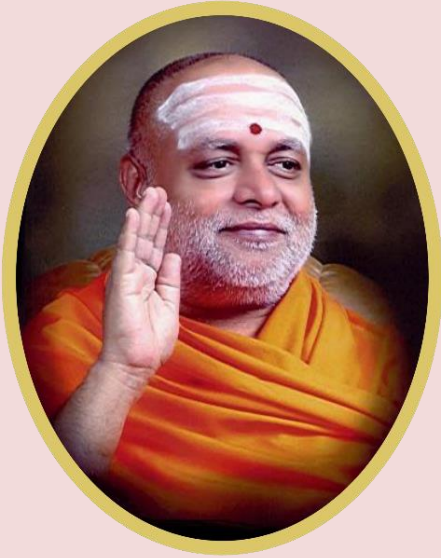
Published on 30/12/2022





Sri Veeranjaneya Swamy





His Holiness Bhairavaikya Padmabhushan
Sri Sri Sri Dr. Balagangadhranatha Mahaswamiji.
Founder President

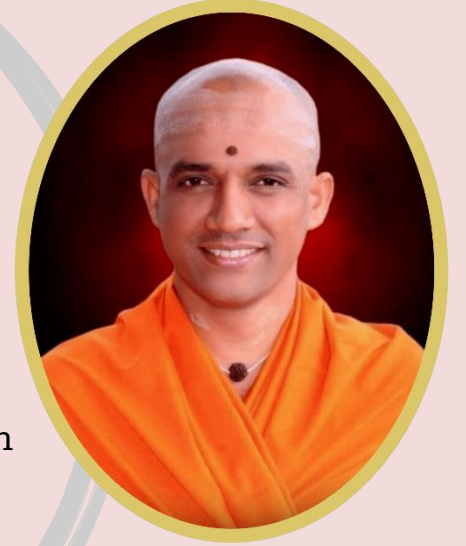
Sri Adichunchanagiri Mahasamsthana Math, with its roots firmly embedded in the folds of time for over 1500 years, spaced on a rocky hill has endeavored to work towards the betterment of human life.

His Philosophy of Trividha Dasoha is the prime focus behind all sociocultural programs of Sri Adichunchanagiri Mahasamsthana Muth. Giving more emphasis on Akshara Dasoha.

His Hiliness Parama Poojya Jagadguru
Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji.
President

His Holiness is actively involved in counseling activities and guide the ones who have a strayed and beguiled from the righteous path.

He is the ideal example for present day youth who try to mimic the shallow western culture disregarding our rich values, as a influence of modern education.



Sri Sri Poojya Mangalanatha Swamiji

Sri Sri Mangalanatha Swamiji has taken Sanyasatva in the year 2005 & been blessed by his Guru Sri Sri Sri Dr. Balagangadharanatha Mahawamiji. He has served Sri Adichunchanagiri Math for more than 34 years. Poojya Swamiji has studied subjects like Advaita, Vedanta in Sanskrit besides Veda and Aagama and acquired a Post-graduation in these subjects and also a Post-Graduation in Sanskrit.





Dr. G T Raju
Principal

Efforts of SJCIT are guided by our beloved reverend Paramapoojya Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji and an Advisory Board consisting of eminent professional personalities from Academia, Industry, Universities, Corporates and other bodies.

I am proud of my teaching and non-teaching team, engaging the students in a wide range of exciting learning opportunities with innovative ideas for overall development.

Mr. Suresha J
Registrar

SJC Institute of Technology (SJCIT), Chickballapura offers B.E, MTech, and MBA courses. For B.E admission, candidates have to appear for the Under Graduate Entrance Test (CET), while for the MTech candidates need to appear for PG CET or GATE.

Counselling facilitates an ideal platform for communication and expectation sharing; helping students stay focused throughout the program. 64-acre Sprawling, Lush Green and Environmentally Friendly Campus with state-of-the-art Amenities and independent functional buildings for each department.



Dr. Madhusudana S V
Associate Professor and HOD

Aerospace Engineering is the primary field of engineering concerned with the development of aircraft and spacecraft. It has two major and overlapping branches: Aeronautical Engineering and Astronautical Engineering. Education in Aerospace Engineering at SJC Institute of Technology focuses on imparting the knowledge to a level that our graduates are successful in their professional careers.

Our program prepares students for harmonious application of engineering principles, processes and practices to Aerospace systems and their maintenance. Our programs strive to develop innovation capacity along with passion.



About Aerospace Engineering

Aerospace Engineering is the human effort in science and engineering to fly in the atmosphere of Earth (aeronautics) and surrounding space (astronautics).

Thus it is a field where state-of-the-art technologies are applied every day. It is an exciting profession with outstanding career opportunities in which physical sciences, mathematics, Electronics and computers are combined in the design of air and space vehicle systems and components to achieve high performance with limited size and weight.

This requires aerospace engineers to constantly develop and apply the most advanced technologies in research, design, manufacturing, operation, or maintenance of an Aerospace Vehicle.

Scope of Aerospace Engineering

Aerospace Engineering program provides graduates with the technical foundation they need to enter the field of Aeronautics & Astronautics. It will prepare the students to apply engineering principles, processes and practices to evaluate, analyse, design and develop aerospace systems and their maintenance.

Focused on the field requirements for airborne/spaceborne platforms, the four-year program encompasses the study of aerodynamics, propulsion, aerospace structures, flight dynamics, navigation guidance and control with application of knowledge during aerospace vehicle design.

Department of Aerospace Engineering.

Vision

Building Competent Aerospace Engineers with a blend of Research, Innovation and Entrepreneurship Centre for the Real world.

Mission

1. Imparting knowledge in basic and applied areas of Aerospace Engineering.
2. Providing hands on training on state-of-the-art technologies related to Aerospace Engineering.
3. Creating a learning atmosphere for higher studies and research blossom both amongst the students and the faculty.
4. Developing teamwork, interdisciplinary research, internship and entrepreneur skills through industry-institute interface.
5. Inculcating Technical, leadership skills and life-long learning embedded with ethical values and social relevance.

Programme Educational Objectives (PEOs)

PEO 1 Graduates of the programme will have a strong foundation in aerospace Engineering to successfully enter into the industry or pursue higher studies.

PEO 2 Graduates of the programme will have skills in using modern Engineering tools, blossom in research and effectively work as an individual and team member.

PEO 3 Graduates of the programme will continue to learn to upgrade their Technical and Leadership skills with ethical values in the world of constantly evolving society.

Programme Specific Outcomes (PSOs)

PSO1: Identify, Formulate and Solve Engineering problems of Aerospace structures, Aerodynamics, Propulsion and Flight mechanics & Control.

PSO2: Able to use Modern Engineering tools necessary for Aerospace Engineering and update the same by engaging in lifelong learning for societal needs.

Faculty Details

Sl. No.	Name	Qualification	Designation	Specialization	Experience In Years
01	Dr. Madhusudhana S V	Ph.D.	Asst. Prof. & HOD	Materials Science & Metallurgy	15
02	Dr. Ganga Reddy C	Ph.D.	Professor (Adjunct Professor)	Aircraft Materials & structures	20
03	Dr. M V Suresh Gowda	Ph.D.	Asst. Prof	Tribology & Materials	20
04	Dr. RaviKumar M	Ph.D.	Asst. Prof.	Natural Composite	15
05	Prof. Naresh D C	MTech	Asst. Prof.	Aerospace Propulsion Technology	05
06	Prof. Murugan N	M. Tech (Ph.D.)	Asst. Prof.	Aerospace Engineering	07
07	Dr. Elavarasan E	Ph.D.	Asst. Prof.	Thermal Engineering	06
08	Mr. Rakesh N	ITI, Diploma	Asst. Instructor	Fitter & Turner	10
09	Mr. Abhishek K	Diploma	Asst. Instructor	Automobile Engineering	01

Editorial Board

Dr. Madhusudhana SV
 Prof. Naresh D C
 Dr. RaviKumar M

Bharath. B 5th Sem
 Arya Raj 5th Sem
 Bhanu Prasad 5th Sem

STUDENT CORNER



Ethnic Day Celebration on 22.06.2022



Student Excellence and Empowerment Development (SEED) Activity celebrated in Department of Aerospace Engineering



Department Level Aerogami Competition on 11th June 2022



Technical Talk on **“An Insight into the Design and Manufacture of Aerospace Structures”** by **Dr. Venkitakrishnan**, Distinguished Scientist and Prof. Sathish Dhawan Chair, ISRO HQ, Bengaluru and technical Talk on **“Aerospace Materials Yesterday, Today and Tomorrow”** by **Dr. P Raghothama Rao**, Chairman IEI & NDRF, Former Regional Director, CEMILAC/ DRDO. On 27th may 2022.



Glider Competition



Hydro Rocket Competition



Solid Rocket competition



Hydro Rocket Competition

Space Tech Fair-2022 Celebration on 27th May 2022 on the occasion of Technical Fest.

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Sri Adichunchanagiri Shikshana Trust (R.)

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VTU AFFILIATED, AICTE APPROVED, ACCREDITED BY MACA & NBA GOLD RATED BY QS 1 GRADE
CHICKBALLAPUR - 562101

DEPARTMENT OF AEROSPACE
ENGINEERING

Organizing
Vyoma
the "Beginning"

30 DEC 2022
9:30 AM
AEROSPACE BLOCK

CONVENER Dr. MADHUSUDHANA S V HOD, Dept. of ASE	ORGANIZING CHAIR Ms. SURESHA J Registrar	PROGRAM CHAIR Dr. G T RAJU Principal
FACULTY COORDINATORS Dr. ELAVARASAN, E Prof. N MURUGAN	STUDENT COORDINATORS YASHWANTH D RAJ - 9606533390 AARADHANA - 8431137180 BHARATHI - 8904324076	

SCAN FOR MORE DETAILS



Discussion on Technical Fest "VYOMA" organized on 30th December 2022.

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SPACE TECH FAIR

On 27th May 2022 @ 9:30 Am

- Hydro Rocket Competition
- Ancient Technology Demonstration
- Glider Competition
- Space Tech Exhibition

Venue: **BGS Ground & Seminar Hall**

Student Coordinator: Vijay Simha R (6th Sem Student)
Faculty Coordinator: Prof. Naresh D C (Assistant Professor)
HOD Dept of ASE: Dr. Madhusudan S V (Associate Professor)

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DEPARTMENT OF AEROSPACE ENGINEERING

"It's Time For Rhythm In Motion"

- Group Dance
- Group Song
- Solo Dance

SEED

Date: 30/04/2022 Time: 1:00 pm
Venue: Amphitheatre

Dr. Madhusudan S V (HOD, Dept of ASE)
Naresh D C (Assistant Professor)
Yashwanth D Raj (Student coordinator, 9606533390)

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Department of Aerospace Engineering

WEBINAR

Don't disturb! EXAMS are coming!

Get Prepare For Final Exams

Date: Feb 12, 2022 Timings: 3.00 p.m. to 4.00 p.m. Resource Person

To join the meeting on Google Meet, Scan Here

Mr. AnandKumar V (Director - Training and Placements, Advisor - Academics, SEA College of Engineering & Technology, Bengaluru)

Program Chair: Dr. G T Raju (Principal)
Organizing Chair: Mr. Suresha J (Registrar)
Convener: Dr. Madhusudhana S V (HOD, Dept. of ASE)
Coordinator: Ms. Amani P (Asst. Prof., Dept. of ASE)

Some of the Events organized at department Level

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Department of Aerospace Engineering

Organizing, **Tech Talk On**

"An insight into the design and manufacturing of Aerospace Structures"

by, Dr. P V Venkitakrishnan (Prof. Satish Dhawan Scientist, Distinguished Scientist & Director (Retd), ISRO HQ Bangalore)

"Aerospace Materials: Yesterday, Today and Tomorrow"

by, Dr. P Raghohama Rao (Chairman, IE(I)-NDRF, Former Regional Director, CEMILAC/DRDO, Ex. Professor, SJCIT, Chikkaballapura, Karnataka)

Time: 10:00 am to 12:00 pm Venue: MED Seminar Hall
On 27th May 2022 (Friday)

Co-ordinators: Prof. Naresh D C, Dr. Ravikumar M
HOD: Dr. Madhusudhana S V
Registrar: Sri. Suresha J
Principal: Dr. G T Raju

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Departments of Mechanical Engineering, Aerospace Engineering & Aeronautical Engineering

Organizes, **"Autodesk - Fusion 360 Hands on Workshop"**

Date: 30th May 2022 Time: 9-00 AM

Venue: Simulation Lab Aero Block

Autodesk

Co-ordinators
Dr. Ravikumar M (Associate Professor, Dept of ASE, SJCIT, Chickballapur)
Prof. Bharath S Gowda (Assistant Professor, Dept of ME, SJCIT, Chickballapur)
Prof. Rohith L G (Assistant Professor, Dept of AE, SJCIT, Chickballapur)

Convenors: Dr. Ranganatha R, Dr. Madhusudhana S V, Dr. Deepa M S
Organizing Chair: Mr. Suresha J (Registrar, SJCIT, Chickballapur)
Program Chair: Dr. G T Raju (Principal, SJCIT, Chickballapur)

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Department of Aerospace Engineering

Organizing, **"Aerogami Competition"**

SEED

Date: 11th June 2022 Time: 12:00 PM

Venue: Aero Seminar Hall

"KEEP CALM AND AIM WELL"

Coordinator: Kalparaj M Hiremath, Pramod S Chingari
Coordinator: Dr. Ravikumar M (Associate Professor)
HOD: Dr. Madhusudhana S V (Associate Professor)
Registrar: Mr. Suresha J
Principal: Dr. G T Raju

Some of the Events organized at department Level

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Department of Aerospace Engineering

Congratulations!

**Jahnavi R for winning First Place in
Kathak & Veena at District Level
Yuvajanotsava, Chickballapur**

Date: 7th Dec 2021





Jahnavi R (1SJ19AS010)

By: HOD, Staff & Students

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Department of Aerospace Engineering

Congratulations!

**Deepak C S for winning Gold Medal
in VTU State Level Inter Collegiate
Wrestling**

**Venue: KLSVDIT Haliyal,
Karnataka**

Date: 16th & 17th Dec 2021



**Deepak C S
1SJ19AS004**

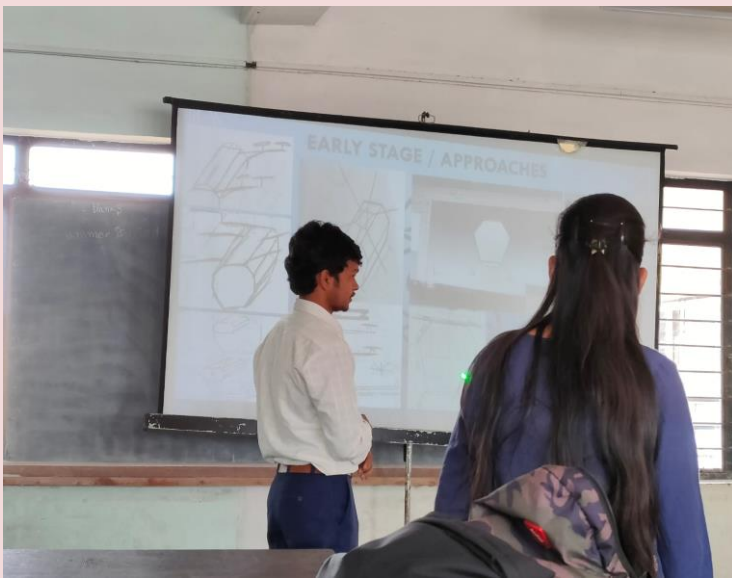
By: HOD, Staff & Students

Jahnavi R Participated in Kathak & Veena at District Level Yuvajanotsava, Chickballapur and Won 1st place in both events.

Deepak C S Participated in VTU state Level inter Collegiate Wrestling Championship and Won Gold medal also he is selected for National Level for Representing VTU



Guest Lecture by Dr. Kishore Brahma, Scientist ISRO, on Aerospace Structures-II for 6th Semester Students.








Uninhabited Aircraft System (UAS) - Design, Build and Fly Contest

Participation certificate

This is to certify that

Dr/Mr/Ms. Dr. Madhusudhana S V, Ehtasham ul haq , Greeshma M K, Naveen S, Aaradhana S, Lahari G, Likitha N, Vinolya S, Dhanya Suryamath, Vijayasimha R
representing team "ATOM" have participated in AeroTHON 2022 - Phase 1 concluded on
June 25, 2022.



Mr. Ravishankar Mysore
Chair, Aerospace Forum
Former Vice President, Collins Aerospace



Mr. Venkataraj
Deputy Director General, SAE INDIA

Team Atom from Aerospace Engineering -SJCIT represented in **1st Round** presentation for **National Level Hackathon-22 – “Design, Build and Fly”** contest on 25th June 2022 at Bangalore.

- Secured 16th place out of 52 Institutions across India.
- Selected for final Round which is scheduled on 18th & 19th September 2022.



Drone prototype design by team ATOM



Team ATOM at Aerothon 2022



Visit to Aero Defence and Space Expo at BIEC Bangalore 10/11/2022



Visit to Nano Technology Lab @ IISc Bangalore 28/10/2022



Walkathon to earn AICTE Activity Points on 08 Dec 2022 regarding "Environmental Awareness" for the Public of Chickballapur Town.

Accept your **past** without
regret, handle your **present**
with confidence, and face your
future without fear.

◆ ————— A.P.J. ABDUL KALAM ————— ◆

