



# SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE [AUTONOMOUS]

NAAC with 'A' Grade, Accredited by NBA (CIVIL, CSE, EEE, MECH)  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

An ISO 9001:2015 Certified Institution

Othakuthirai, , Gobichettipalayam - 638 455, Erode (Dt), Tamilnadu



# CHIPS

ISSUE 23 - 24  
JAN 24 - DEC 24



## **SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE**

### **DEPARTMENT OF MECHANICAL ENGINEERING**

#### **B.E. MECHANICAL ENGINEERING**



#### **VISION**

- Produce competent Mechanical Engineering professionals with scientific temper, values, ethics, team spirit and capabilities to face new challenges.

#### **MISSION**

- Provide conducive learning environment with state-of-the-art infrastructure facilities, laboratories and teaching learning systems.
- Produce skilled Mechanical Engineers with skills towards employability, leadership, communication skills with social responsibilities and ethical values.
- Inculcate Professional skills to function as proficient engineers and designers capable of building sustainable equipment and infrastructure for the society.
- Promote research and development activities in the rapidly changing technologies related to Mechanical Engineering and allied areas.

#### **Editor - in - Chief**

Dr.S.Prakasam  
HOD / MECHANICAL

#### **Sub Editors**

Mr.V.Prabaharan, AP/MECH

## DEPARTMENT OF MECHANICAL ENGINEERING

### DEPARTMENTAL ACTIVITIES – SEMINARS/WORKSHOPS/ASSOCIATION FUNCTION / TECHNICAL SYMPOSIUM

S.No	Name of the Programme	Date & Venue	Title of the Programme	Chief Guest
1	National Level Technical Symposium	22-03-2024	Technovanza 2K24	Thiru.M.D.Joshua David, India Campus Lead, Mphasis, Chennai.
2	National Level On Seminar	17-04-2024	Non Destructive Testing Techniques	Mr.R. Manikandan. ME. Proprietor, queen India engineering services/ NDT Institute, Erode
3	Mechanical Students' Association Seminar	18-04-2024	Geometrical Dimensions And Tolerances	Mr. S. Pratheep BE ., CAD Engineer, CADD Technologies School of Design Pvt. Ltd. Coimbatore.
4	DRDO Sponcred One Day National Level On Seminar	17-05-2024	Nano Structured Materials For Aovanced Defense Technologies	Dr.K.Kadirvelu Scientist F & Additional Director, DRDO, Ministry of Defence, Govt. of India, DRDO Industry Academia Centre of Excellence Bharathiyar University, Coimbatore.
5	DRDO Sponcred One Day National Level On Seminar	26-07-2024	Advancing Defense Capabilities : Harnessing Smart Materials For Security Solutions	Dr.N.Dharmaraj Professor, Department of Chemistry, Inorganic & Nanomaterials Research Laboratory, Bharathiar University, Coimbatore. Dr.K.Kadirvelu Scientist F & Additional Director, DRDO, Ministry of Defence, Govt. of India, DRDO Industry Academia Centre of Excellence (DIA-CoE), Bharathiyar University, Coimbatore.
6	Value Added Programme	07-08-2024 To 29-08-2024	Apptitude Training	Mr.S.Sathishkumar AP/MECH,Svhc, Gobichettipalyam.
7	Mechanical Students Association Seminar	18-08-2024	Value Engineering And Analysis	Mr. J. Sathiamoorthy Operations Head, Iatome Electric India Pvt Ltd, Coimbatore
8	Certificate Course	21-07-2024 To 31-08-2024	Computer-Aided Engineering (CAE) In Automotive Industries	Mr. S.Sathish Kumar, Asst. Professor -SVHEC
9	AICTE QIP Programme	22-07-2024 To 14-12-2024	Robotics and 3D Printing	Department of Mechanical Engineering Faculty IIT, Dhanbad

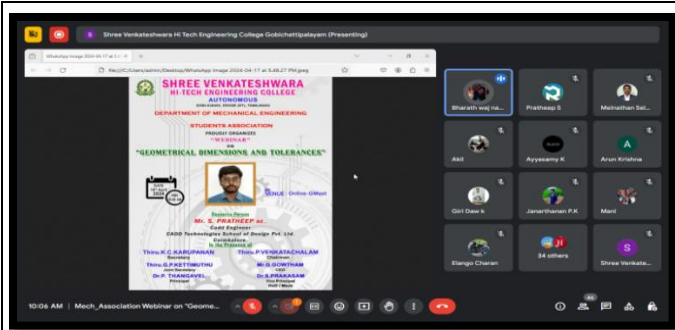


National Level Technical Symposium on “TECHNOVANZA” held on Was held on -22-03-2024



National Level On Seminar on “Non Destructive Testing” Was held on 17-04-2024





**Mechanical Students' Association seminar on "Geometrical Dimensions And Tolerances" was held on 18-04-2024**



**DRDO Sponcred One Day National Level On Seminar on Nano For Advanced Structured Materials For advanced Defense Technologies was held on 17-05-2024**



**Mechanical Students' association seminar on "Value Engineering and Analysis" was held on 18-08-2024**



**Value Added Program on APPTITUDE TRAINING was held on 07-08-2024 To 29-08-2024**



**Certificate Course On Computer-Aided Engineering In Automotive Industries was held on 21-07-2023 To 31-08-2024**



**DRDO Sponcred One Day National Level On Seminar On Advancing Defense Capabilities : Harnessing Smart Materials For Security Solutions was held on 26-07-2024**



**AICTE QIP PG Certificate Programme in Emerging was held on 22-07-2024 To 14-12-2024**

**STAFF PARTICIPATION - SEMINARS / CONFERENCES / PAPER PRESENTATIONS / WORKSHOPS**

S. No	Nature of the Programme	Name of the Staff	Title of the Programme	Date	Venue
1	NPTL	Mr.S.Meinathan	Air pollution and control	Jan-2024 To Apr-2024	Online mode
2	FDP	Mr.S.Meinathan	Product design and manufacturing	Jan/2024 To Apr/2024	Online mode
3	FDP	Mr..S.Sathishkumar	Exploring wearable tech and AI innovations for personalized healthcare	03-06-2024 To 07-06-2024	Online mode
4	FDP	Mr.S.Sathishkumar	OBE & NEP 2020	10-06-2024 To 14-06-2024	PbrVisvodaya Institute Of Technology Ans Science
5	FDP	Mr.PLingeshwaran	Green energy and sustainable development	10-06-2024 To 14-08-2024	Online mode
6	FDP	Dr.P.Thangavel Dr.S.Prakasam Mr.K.Kannakumar	Product innovation and startup founding opportunities	11-07-2024 To 11-07-2024	Online mode
7	FDP	Mr.S.Sathishkumar	Advanced Materials and Technologies: Bridging Innovations In Civil And mechanical engineering	08-07-2024 To 13-07-2024	Online mode
8	FDP	Mr.PLingeshwaran	Exploring new frontiers in teaching tools, AI & data analytics	29-07-2024 To 02-08-2024	Online mode
9	PDP	Mr. V.Prabakaran.	Renewable energy resource	05-08-2024 To 09-08-2024	Online mode
10	FDP	Mr.PLingeshwaran	Modern trends in manufacturing process	05-08-2024 To 10-08-2024	Online mode
11	PDP	Mr.PLingeshwaran	Computer aided design and process planning	23-09-2024 To 27-09-2024	Online mode
12	FDP	Mr.S.Sathishkumar	Progress in mechanical engineering	14-10-2024 To 19-10-2024	Online mode
13	FDP	Mr.S.Nirmalkumar	Additive manufacturing advancements in different application	21-10-2024 To 26-10-2024	Online mode

**JOURNAL PUBLICATIONS**

S.No	Name of the Author	Title of the Journal	Journal Name
1	Mr.S.Meinathan Mr.P.Lingeswaran	Investigation On The Characterization Of Hot Extruded Aa7075 Based Metal Matrix Composites Developed By Powder metallurgy	IOP Publishing Ltd Journal of Physics: Conference Series
2	Dr.S.Prakasam	Deep Learning based Detection of Cardiovascular Defects Patents	International journal of Recent and Innovation Trends in Computing

3	Dr.S. Prakasam Mr.K.Kannakumar Mr.D.Mohan raj	Investigation on the metallurgical and welding characteristics of AA7075/ Fly ash composites	Materials Today
4	Mr.D.Mohan raj	Examining the Combination of a Parabolic Solar Collector with Phase Change Material (PCM) in Solar Distillation	E3S Web of Conferences

### R & D FUNDING PROPOSAL

S.No	Name of the Guide	Name of the Student	Title of the Project	Name of Funding Agency	Grand Amount
1	Mr.V.Velliyangiri	K.Kavinkumar G.Guruprasanth S.Prasanth R.Subash	Automatic Mechanical Door Opener For Wheel chaired Physically Challenged Person	TNSCST	Rs 7500

### STUDENT PARTICIPATION - SEMINARS / CONFERENCES / PAPER PRESENTATION

S. No	Nature of the Programme	Name of the Student	Date	Prize	Venue	Title of the Programme
1	Workshop	C.Prasanth.V.,Kathirvel.S.Karthikeyan C.Bharathwaj	2-2-2024	---	Karpagam College Of Engineering	Design And Development Of E-Vehicles
2	Workshop	S.Akilsri,R.Vignesh S.P Sakthivel V.Vasanth K.Gopal S.,Manikanda Moorthy V.,Kathirvel R.Sabaribalan	21-02-2024	---	Excel Engineering College	E-Vehicle Design And Future Trends
3	Paper Presentation	P.K.Janarthanan	3-03-2024	2	Surya Engineering College	Additive manufacturing
4	Workshop	P.Ashok Kumar P,Kavin , M.Dinesh Kumar	13-03-2024	----	Excel Engineering College	Unmanned Aerial Vehicle with AI
5	Paper Presentation	M.Ranjith K,Gunasekaran ,Gowthaman	4-6-2024	1	Nandha College Of Technology	Electric Vehicle
6	MR Mechanic	P.K.Janarthanan ,C.Bharathwaj S.Karthikeyan	5-3-2024	2	M P Nachimuthu M Jaganathan Engineering College	--
7	Paper Presentation	M.Arun Krishna C.,Bharathwaj	5-3-2024	---	M P Nachimuthu M Jaganathan Engineering College	Stirling Engine
8	CAD Modelling	Karthikeyan S	5-3-2024	2	M P Nachimuthu M Jaganathan Engineering College	--

### STUDENT PARTICIPATION - INPLANT TRAINING

S.No	Batch	Student Name	Company Name	No. of Days	
				From	To
1	2022	K.Mohan ,M.Pradeep M.,Ranjithkumar K.,Ayyasamy G.,Devanath A.Gowtham ,S.Harishkumar S,Karthikeyan M,Sibiraj R,Sugesan R	Caddy Tech Solution	27-12-2023 To 10-01-2024	

2		K.Giri ,PAshokkumar M,Dinesh Kumar ,K.Kavin, P.Kavin	Dalmia Bharat Cement	27-12-2023 To 10-01-2024
3		K.Kuppusamy ,T.Arularasan ,R.Prakatheeswaran	David Brown Santasalo	27-12-2023 To 10-01-2024
4		A.Hariprakash	L.G.Balakrishnan & Bros Limited	27-12-2023 To 10-01-2024
5		B.Periyasamy P,Santhoshkumar C,Shankar ,V.Vasudevan	Macbro Technology India Pvt Ltd	27-12-2023 To 10-01-2024
6		R.Bharath ,T.Srianand ,R.Balaram ,M.Bharathraj ,S.Harikrishnan	Ponnar Sankar Tractor Spares	27-12-2023 To 10-01-2024
7		M.Arunkrishna R.,Arun Kumar ,P K.Janarthanan ,R.Chandru M.Gowtham ,A.Joshva Anandhakumar	Pricol Industries	27-12-2023 To 10-01-2024
8		S.Hariprasanth K,Chittarthan P.Jeenuprasanth ,K.Karthikeyan C.Krishnaraj	Sakthi Auto Component Limited	27-12-2023 To 10-01-2024
9		Y.Mohan Kumar	Sakthi Sugars Limited	27-12-2023 To 10-01-2024
10		D.E.Dinesh M.,Lokeshwar ,V.Srinath	V3 Engineers	27-12-2023 To 10-01-2024
11		K.Ayyasamy G,Devanath A.Gowtham ,S.Harishkumar ,Karthikeyan M.Sibiraj ,R.Sugeshan	CADDZY Tech Solution	27-12-2023 To 10-01-2024
12	2021	K.Mohan ,M.Pradeep ,M.Ranjithkumar	Ancy Engineering	16-01-2024 To 01-02-2024
13		S.Kavin.	Bannari Amman Sugars Limited	16-01-2024 To 01-02-2024
14		T.Pradeepkumar ,RVignesh ,S.PSakthivel ,RSangeethkumar S.Vinothkumar	CADDZY Tech Solutions	16-01-2024 To 01-02-2024
15		M.Vijay Arun.	Pressana Automobiles	16-01-2024 To 01-02-2024
16		P.Harish Ragul ,V.Kathirvel ,S.Ragupathi ,D.Indhru	PSA Avtec Powertrain Private Ltd	16-01-2024 To 01-02-2024
17		C.Bharathwaj ,S.Karthikeyan,C.Prasanth	Sakthi Auto Component Ltd	16-01-2024 To 01-02-2024
18		R.Elangovan, M.Mohanraj ,O.Ramakrishnan ,RSounthiram Chandramouleeswar	Sakthi Gear Products	16-01-2024 To 01-02-2024
19		K.Gopal ,R.Sabaribalan ,A.Sakthivel ,P.Tamilmaran ,VVasanth. S.Akil Sri ,S.Manikanda Moorthy ,R.Vasanth	Sri Kamatchiamman Yarn Processing	16-01-2024 To 01-02-2024
20		S.Jayaprakash.	T&I Projects Limited	16-01-2024 To 01-02-2024

**ACADEMIC ACHIEVERS AU - NOVEMBER/DECEMBER 2023**  
**IV YEAR-VII SEM CLASS TOPPERS (2020-2024 BATCH)**

**I RANK**



**BOOPATHI K**  
**SGPA –8.86**

**II RANK**



**GOWTHAMAN M**  
**SGPA –8.45**

**III RANK**



**SRIRAM S**  
**SGPA –7.54**

**III YEAR- V SEM CLASS TOPPERS (2021– 2025 BATCH)**

**I RANK**



**VINOTHKUMAR S**  
SGPA –8.88

**II RANK**



**KARTHIKEYAN S**  
SGPA –8.55

**III RANK**



**SOUNTHIRAM R**  
SGPA –84.19

**II YEAR- III SEM CLASS TOPPERS (2022-2026 BATCH)**

**I RANK**



**KUPPUSAMY K**  
SGPA –8.64

**II RANK**



**KAVIN K**  
SGPA –7.84

**III RANK**



**GOWTHAM A**  
SGPA –7.60

**ACADEMIC ACHIEVERS AU - APRIL/ MAY 2024**  
**IV YEAR - VIII SEM CLASS TOPPERS (2020-2024 BATCH)**

**I RANK**



**SRIRAM S**  
SGPA –9.43

**II RANK**



**SUBASH G**  
SGPA –9.38

**III RANK**



**GUNASEKARAN K**  
SGPA –9.25



### III YEAR- VI SEM CLASS TOPPERS (2021- 2025 BATCH)

#### I RANK



**VINOTHKUMAR S**  
SGPA –8.74

#### II RANK



**BHARATHWAJ C**  
SGPA –8.30

#### III RANK



**MOHANRAJ M**  
SGPA –7.78

### II YEAR- IV SEM CLASS TOPPERS (2022 - 2026 BATCH)

#### I RANK



**KUPPUSAMY K**  
SGPA –8.13

#### II RANK



**ASHOK KUMAR P**  
SGPA –7.56

#### III RANK



**GOWTHAM A**  
SGPA –7.45

### STUDENTS PLACEMENT TRAINING

S.No	Batch	Title of The Training Program	Name of the Academy	Date	Number of student
1	2022	Aptitude training Program	Yardstick academy	03-12-2024 To 07-12-2024	40
2	2023			03-12-2024 To 13-12-2024	60

### STUDENTS PLACEMENT DETAILS

S.No	Name of the Student	Company	Designation	Salary Package (Annual)
1	K.Gunasekaran G. Hariharan, V.Nithyanandhan , K.Kavinkumar , G.Subash , U.Vijaybaskar	Deserve International, Marine Time City, Dubai,	Junior Engineer Trainee	5.4 Lakhs Per Annum
2	M.Gowthaman	Metalman Auto Pvt.Ltd, Hosur,	Junior Engineer Trainee	2.4 Lakhs Per Annum
3	K.Jeevanantham	Metalman Auto Pvt.Ltd, Hosur	Junior Engineer Trainee	2.4 Lakhs Per Annum
4	S.Manikandan	Aquasub Engineering, Coimbatore	Production Supervisor	1.98 Lakhs Per Annum
5	M.Mohan	Aquasub Engineering, Coimbatore	Production Supervisor	1.98 Lakhs Per Annum

6	P.Puvintharaj , K.Vishwa, M.K.Vyshnav	VPG Sensors Pvt Ltd, Chennai	Quality Controller	1.8 Lakhs Per Annum
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## STUDENTS INDUSTRIAL VISITS

S.No	Name of the Programme	Date	Title of the Programme	Visited place
1	Industrial Visit	13-09-2024	Kerala Electrical & Allied Engineering Co. Ltd. & Sea Blue Shipyard Ltd.	Kochi, Kerala

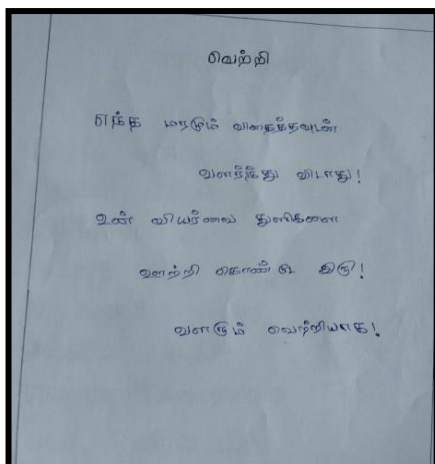
## INDUSTRIAL VISIT



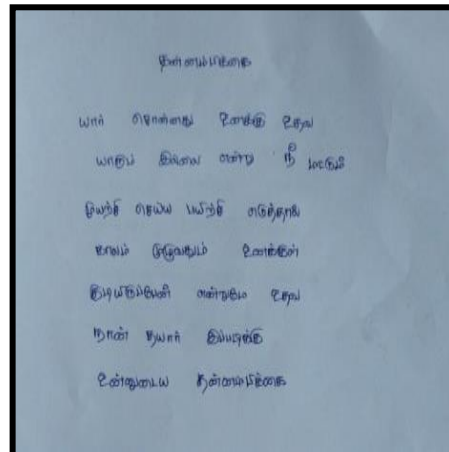
Visited Kerala Electrical & Allied Engineering Co. Ltd. & Sea Blue Shipyard Ltd. on 13.09.2024

## STUDENT EXTRA CURRICULARACTIVITIES

### POETRY



**AKASH B**  
**II/MECHANICAL**



**SOUNTHIRAM R**  
**IV /MECHANICAL**

### DRAWING

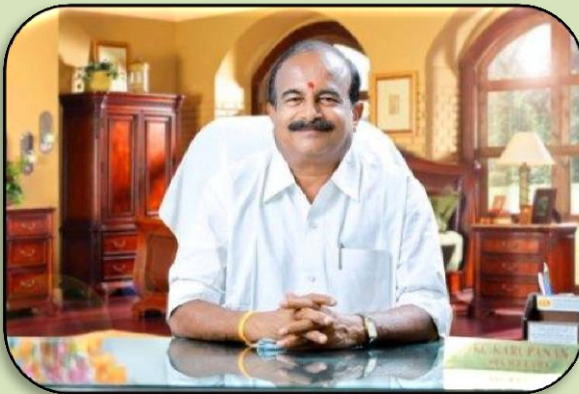


**KAVIN K**  
**III /MECHANICAL**

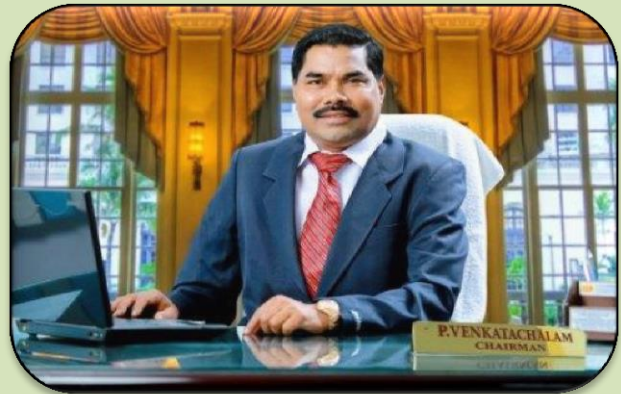
## **About the Institution**

Shree Venkateshwara Hi-tech Engineering College, gifted with a serene atmosphere is located at Othakuthirai, near Gobichettipalayam, Erode. The College was founded by Shree Venkateshwara Educational and Charitable Trust in the year 2008 with the divine aim of educating the students of rural background. The College inculcates in students technical and innovative skills catering to the dire need of the present scenario. It imparts professionalism and critical thinking in them for a dynamic engineering career. It also sensitizes students to uphold academic excellence and become technically competent.

## **PATRON**



***Thiru K.C .Karuppanan***  
***Chairman/ Bhavani Municipality***  
***Secretary / SVHEC***



***Thiru.P.Venkatachalam, MPHF***  
***Chairman / SVHEC***



***Dr. P.Thangavel, ME ,MBA ,PhD.***  
***Principal / SVHEC***

I feel it a privilege to launch the seventh and eighth edition of News Letter. I appreciate everyone who has taken sustained efforts in bringing out this edition successfully.





**BE - Biomedical Engineering**  
**BE - Civil Engineering**  
**BE - Computer Science & Engineering**  
**BE - Electronics & Communication Engineering**  
**BE - Electrical & Electronics Engineering**  
**BE - Mechanical Engineering**  
**BE - CSE (Cyber Security)**  
**BE - CSE (Artificial Intelligence & Machine Learning)**  
**B.Tech - Information Technology**  
**B.Tech - Pharmaceutical Technology**  
**B.Tech - Artificial Intelligence & Data Science**  
**B.Tech - Biotechnology**  
**ME - Construction Engineering & Management**  
**ME - Structural Engineering**  
**ME - Industrial Safety Engineering**  
**MBA - Master of Business Administration**

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