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Dr. Sanjay A Khot
Principal
Sharad Institute of Technology,
College of Engineering, Yadrav



Dr. S.P. Patil
Head of the Department
Dept. of Basic Sciences & Humanities
Sharad Institute of Technology,

-: PREFACE MESSAGES: -

From Executive Director Desk:

I am happy and glad that Department of Electrical Engineering is releasing out Newsletter Volume 11 Issue-1. This Newsletter will showcase the various activities that are happening in the Electrical Department. It will also build up a spirit of team work which has become essential thing in this competitive world. It will show the department achievements, merits and awards received. This will not only inculcate the documentation culture, also it will create an impact on the readers' mind providing broad visibility and dimensions to the campus. I believe this culture of releasing newsletter will continue forever and introduce the team work and social behavior culture in students.

I am happy that Department of Electrical Engineer is bringing out Volume 11 Issue-I Newsletter. This Newsletter will definitely help to showcase the activities that are happening in the electrical department. It also helps in building up teamwork which is very much needed today in the world of competition. It provides a platform for exposing the merits and academic achievements of the department. This enhances the documentation culture of the institute. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the campus. I hope that this culture of releasing Newsletter continue forever and become a quoted example for students.

From Principal Desk:

A thought that has been enduring in mind when it becomes real is truly an interesting and exciting experience. This newsletter was one such cherished work that had its roots in the persuasion. It would be a snapshot of the various activities and advancements for all associated with Electrical Engineering Department. Proper communication plays a vital role in institution's development. This newsletter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us.

Usually, we fail to appreciate the good deeds of many people and activities that happen around us as we are engaged in irrelevant talks and assumptions. It could all change if we just pause to think of what is our contribution to the society from which we have been gifted with this blessed life. The progress of the society is mainly depending on many people who are working behind the scenes, overtime round the clock planning things to the smallest. This newsletter will be a medium to provide proper acknowledgement and respect all of these efforts and its results.... Happy Reading!

From Head of the Department Desk:

I feel privileged to Issue-I of Volume seven of BSH News Letter. At the outset, I would like to thank 'News Letter Family' for their enduring efforts to publish departmental News Letter. The journey from the inception of News Letter to its final form in your hands has been wonderful joyful for every member of the News Letter family that has given their best to accomplish this momentous task by heralding the unlimited possibilities of creative writings and accomplishing activities conducted by the department. There is a huge demand for skilled and trained youngster in every field. Nowadays, India is known to the world as a 'YOUNGSTER'S country. If we train this human resource in a proper or appropriate way then India will be in the enviable position of providing man power, even rest of the world too.I wish you all the best!

❖ VISION

To be a center of excellence by imparting lifelong learning attitude through dissemination of basic technical and professional knowledge among its students for the accomplishment of ever-growing needs of society.

❖ MISSION

To inspire and motivate promising engineers by catering quality education through effective teaching learning methodologies.

To inculcate life skills and proactive attitude in students for their overall development of professional career.

To imbibe moral and ethical values in students in concern to society and environment.

❖ SHORT TERM GOAL

To provide fundamental knowledge of engineering and technology and develop competency among students to achieve academic excellence.

❖ LONG TERM GOAL

To cultivate and induce professional skills among students.

To create skill of adaptability among students with curricular and co-curricular activities.

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2	Department Vision, Mission and Quality Policy.
3	Induction Programme
4	NATIONAL LEVEL TECHNICAL EVENT IMPETUS 2K24.
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Induction Programme:

Purpose of Student Induction Programme is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self exploration. Student Induction Programme engages with the new students as soon as they come into the institution; before regular classes start. At the start of the induction, they learn about the institutional policies, processes, practices, culture and values, and their mentor groups are formed.

In Academic Year 2024-25 department of Basic Sciences & Humanities conducted a 11 days induction programme from 29th August 2024 to 13th September 2024. It included 9 guest lectures, 3 orphanage visits, informative lectures about the institute and other activities like debate competition, sketch competition etc.

Activities conducted:

Sr.No.	Activity
1	Guest lectures
2	Orphanage visits
3	Yoga
4	Sketch, craft, debate competition
5	Motivational videos

Visit to orphanage: These visits are arranged to create social awareness in students. During induction programme students visited two Vrudhashrams namely Aai Vrudhashram(Nimshirgoan) & Janaki Vrudhshram (Ghosarwad). They also visited Deaf school at Tilwani.



Yoga Activity: In induction programme Yoga activity was conducted to aware the students about importance of physical health.



Guest Lectures: During induction programme total 7 guest lectures were conducted as follows:

Sr. No.	Name of Expert	Topic	Date
1	Mr.Nikhil Padate	Industry 4.0	29/8/2024
2	Mr.Prasad Kulkarni	Role of Youth	30/8/2024
3	Mr.S.R.Miraje	Laws for Youth	31/8/2024
4	Dr.Ravindra Ambupe	Path to wellness	31/8/2024
5	Mr.Shailesh Kokate	Engineering Futures	2/9/2024
6	Dr.G.S.Rashinkar	Ignite your passion	9/9/2024
7	Dr.Manisha Bhojkar	Foundation of personal morality	9/9/2024



NATIONAL LEVEL TECHNICAL EVENT IMPETUS 2K24

Date of Conduction: 15th October 2024

Group Discussion: This activity was organized to improve communication skill, confidence, content knowledge of students.



Rank	Winner Names	College Name	Prize Money
1	Snehal Prakash Patil	SITCOE, Yadrav	Rs 5,000
2	Siddhi Sachin Mane	AMGOI Vadgoan	Rs 3,000
3	Mohhamadjaki Babasaheb Momin	SITCOE, Yadrav	Rs 2,000

Adzap competition: In this competition students had done advertisement of a product of their choice by using various strategies.



Rank	Winner Names	College Name	Prize Money
1	Saloni Patil, Dhanashree Sarnobat, Pranita Shete, Surabhi Sarate	SITCOE, Yadrav	Rs 5,000
2	Jidnyasa Babar, Sanchita Gardade, Shrutika Chougule, Neha Bhandare	SITCOE, Yadrav	Rs 3,000
3	Soham Pawar, Arjun Shinde, Varad Sutar, Shritej Sudade, Akshay Patil	SITCOE, Yadrav	Rs 2,000

Technical Essay Writing:



Rank	Winner Names	College Name	Prize Money
1	Ishvari Kailas Mule	SITCOE, Yadrav	Rs 5,000
2	Maheshvari Mallikarjun Dhularao	AMGOI Vadgoan	Rs 3,000
3	Sanika Sanjay Patil	SITCOE, Yadrav	Rs 2,000

GUEST LECTURES:

In the academic year-2024-25(sem-i),total 11 guest lectures have been organized on personality development, human values, competitive exams, etc. these guest lectures are helpful for the students to make them aware with society, environment and human values. in a guest lecture, student get new perspective and opinions that are often missed in regular study. guest speakers make students aware of current business scenarios and situations. by attending guest lectures students learn to overcome different challenges and it becomes easier to nail down difficult concepts.

Sr. No.	Name of Expert & Designation	Topic	Date
1	Harish N kothawale, Manager, CETP Laxmi Industries hatkanagale	sustainable practices in wastewater management	10/18/2024
2	vitrag shah, software engineer Raja Software lab, pune	Building a strong professional foundation	10/19/2024
3	Mr. Sunil Kalgonda Patil, (Machine Shop Development (Design and Execution)	5S Principles	12/2/2024
4	Mr. Chetan Kulkarni, Vice President Sales and Operation Shikuyaa Director, O2 Breathing Brains Pvt. Ltd	Campus to corporate	4/12/2024
5	Mr. Bajrang Shankar Kamble Sr. Broadcast Engineer, Akashwani, Kolhapur	GATE and Competitive exam preparation	5/12/2024
6	Mr. Dhaval Bagawade , Founder of Info Grow Institute	Career Opportunities in India and Abroad	12/12/2024
7	Mr. Subodh Sambhaji Patil, Owner of Siddeshwar Associates	Advanced Construction Techniques	16/12/2024
8	Mr. Vinod Ananda Dinde, Director of Vidhi Automation & Solutions	Introduction to Industrial Automation	21/12/2024

9	Mr. Chetan More, Director of Shrisun Solar Solutions	Renewable Energy	3/1/2025
10	Mr. Nilesh Bavadhankar (Director of LogiBit Technologies Pvt. Ltd)	Importance of ECE Branch in World of Engineering & Career Opportunities	8/1/2025
11	Dr. Jeevandhar Ketappanavar (Professor, Government First Grade Colleg Ainapur, Belgaum, Karnataka	Meditation & Health	11/1/2025

Glimpses of guest lectures



INDUSTRIAL VISITS:

Industrial visit provides the students with an opportunity to learn practically through the intrection, working methods and employment practices that's why BSH department always try for more and more industrial visit for the students.

In Academic Year 2024-25(sem.I) total 15 places visited by the students.

Details of industry visits are as follows:

Sr.No	Date	Place	Class
1.	09-10-2024	Domain Computer Education,Sangli	F.Y.B.Tech
2.	10-10-2024	Magnewin Energy pvt.Ltd.Kupwad,Sangli	F.Y.B.Tech
3.	10-10-2024	Lakshmi Electronics Pvt.Ltd. Kupwad Sangli	F.Y.B.Tech
4.	05-12-2024	Arihant Alucast Khotwadi	F.Y.B.Tech
5.	05-12-2024	GEM Engineering Company,Yadrav	F.Y.B.Tech
6.	05-12-2024	Netmech Founders Hatkanangale	F.Y.B.Tech
7.	10-12-2024	Domain Computer Education,Kolhapur	F.Y.B.Tech
8.	10-12-2024	Flame Industries, Jaysingpur	F.Y.B.Tech
9.	12-12-2024	Maindflow Controls Pvt.Ltd. Kupwad	F.Y.B.Tech
10.	14-12-2024	Jay Renewable Energy Pvt.Ltd.Miraj	F.Y.B.Tech
11.	17-12-24	Chitale Dairy, Bhilwadi	F.Y.B.Tech
12.	26-12-24	Sharada Electronics Kupwad	F.Y.B.Tech
13.	26-12-24	SNR Electronics Kupwad	F.Y.B.Tech
14.	28-12-24	Flame Industries, Jaysingpur	F.Y.B.Tech
15.	30-12-24	Mahabal Metals Pvt.Ltd.Miraj	F.Y.B.Tech

Some Glimpses of Industry Visits:

Industry Name: Chitale Dairy Bhilwadi

Date of visit:18/12/2024



Total 140 students of FY(ECE) visited Chitale Dairy along with 4 faculty members. Chitale Dairy is one of the prominent dairy businesses in Maharashtra, primarily known for its high-quality milk products, including milk, curd, butter, and sweets. The purpose of the visit was to inspect the dairy operations, assess the quality of products, review the infrastructure, and understand the supply chain processes.

Industry Name: Jay solar Energy Pvt.Ltd. Kupwad

Date of visit: 14/12/2024



Total 70 students of FY(CSE) visited Jay solar Energy Kupwad along with 2 faculty members. Jay Renewable Energy Private Limited is a pioneer in the field of Solar Energy Equipment in India. Along with Solar Water Heating Systems, they also integrate Rooftop Solar Power Plants and are empanelled with MSEDCL for capital subsidy. The practical exposure to the plant's operations allowed for a deeper understanding of the complexity and precision involved in solar panel manufacturing.

Industry Name: Magnewin Energy Pvt.Ltd. Kupwad

Date of visit: 10/10/2024



- Total 65 students of FY(Electrical) visited Magnewin Energy Pvt.Ltd. Kupwad along with 2 faculty members. Magnewin was established in 1994 an ISO certified, professionally managed company is one of the Leading Manufacturer, Supplier, Exporter of all Film Foil, NPCB impregnated LV, MV & HV Power Capacitors for a variety of applications which include Power Factor Improvement, Harmonic Filtration and Special Capacitors for Govt. of India Defense and Research institutes.

Industry Name: Arihant Alucast, Khotwadi

Date of visit: 10/10/2024



- Total 70 students of FY(Automation & Robotics) visited Magnewin Energy Pvt.Ltd. Kupwad along with 2 faculty members. Arihant Alucast is Located in Kolhapur. As an Indian Manufacturer they take great pride in supplying customers with quality products, casted in both Zinc and Aluminum Alloys. For over 5 years Arihant Alucast has been providing versatile and quality die casting services. Their services include CNC, VMC Machining of casting. Their greatest strength is precision Aluminum casting. They always offer accurate machine work and die casting.

VALUE ADDED PROGRAMME

For the development of students VAP is arranged for FY students .This programme was conducted by **Mr.Nilesh Bavdhankar & Mr.Yash Chavhan** sir and Topic was “**Advanced C-Programming**”

Sr. No	Course	Academic Year	Date	No. of Students appeared
1	Advanced C-Programming	2024-25	26/12/24 – 15/1/25	370



NSS Activities:

Name of Activity: **Beti Bachao Beti Padhao Rally**

Date:16/12/2024

Number of students participated: 112



Name of Activity: **World Meditation Day Celebration**

Date:21/12/2024

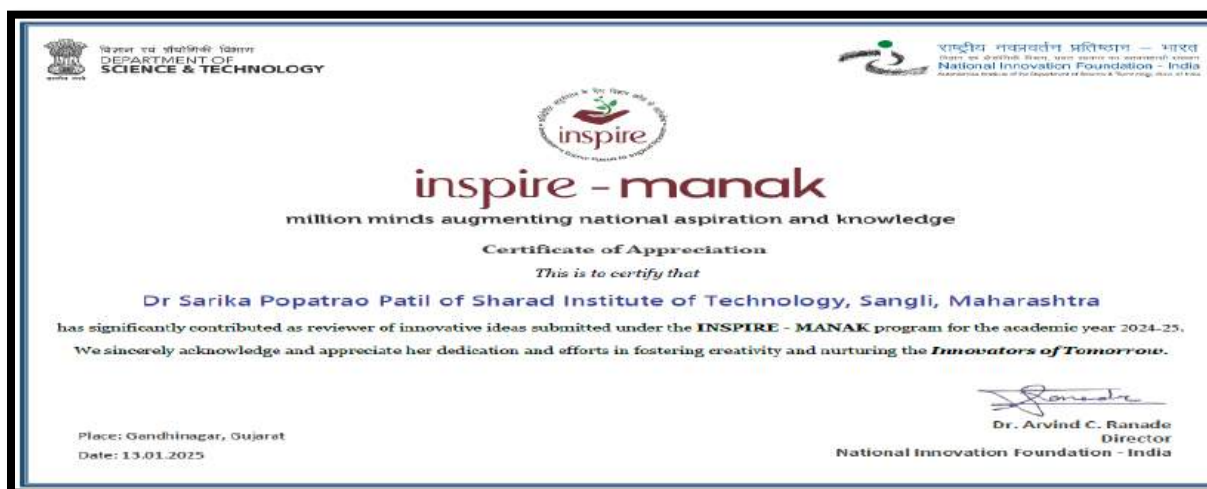
Number of students participated: 180



Faculty Achivements

The department of Basic Sciences and Humanities always motivates faculty to participate in conferences, workshops, seminars and other activities. Seminars and workshop and conferences are an innovative and welcomed steps towards modern education .Acquirement of knowledge in a particular field and growth in networking are the best output of attending all.

SR.No	Name of Faculty	Name Of Paper	Publication Details
1	Dr.A.A. Bagade	Synergetic engineering of oxidizable, redox, and inert metal decorated copper oxide for non-volatile memory and neuromorphic computing applications	11,2024 <i>Semicond. Sci. Technol.</i> 39 115022
2	Dr D. S. Gavali	<u>Investigation on the reaction of sulphur with Ag-Cu-Zn-Ge alloy: Experimental and computational study</u>	Journal of Materials Research and Technology 33, 5311-5321 https://www.sciencedirect.com/science/article/pii/S2238785424024633



- Dr.Sarika P.Patil of BSH department has contributed as reviewer of innovative ideas submitted under INSPIRE-MANAK.

First Year student Association:(FESA)



Co-curricular activities fuel the learning of students by stimulating creative thought,improving their social and organizational skills, developing their interests and talents and offering them the chance to switch off and do something joy.Participation helps students in emotional development and social skill development.BSH deparment helped students in emotional development and social skill development.BSH deparment organized these activities every semester for exposure in students. Students of this committee are selected on the basis of their leadership qualities, ability to communicate, management qualities etc.

FESA committee members:

			
Ms.Shrdha P.Latthe President	Mr.Vedant S.Chavan Vice President	Mr.Arnav D.Patil Secretary	Mr.Omkar R.Gurav Tresurer

From Faculty Editor Desk



Ms.S.S.Parmaj
Assistant Professor
Dept of BSH

Dear Readers,

We are presenting you with the Volume 11 Issue I of Newsletter of the BSH Department. Our motto as a team of student and faculty members is to put forth Newsletter every half yearly. I am deeply thankful and privileged for the efforts taken by department faculty, our students and also for the timely support and Encouragement of our respected Executive Director, Principal, HOD-Electrical Engineering and Faculty members in bringing up this Newsletter. I hope this and upcoming Newsletter will be very useful and informative to the student readers and will be a source of encouragement for the other student members in the coming near future.

From Student Editor Desk



Ms.Mayuri Tambade
F.Y.B Tech Student
Dept. of BSH

Dear Readers,

We are happy to bring out the Volume 11, Issue I of our Newsletter is published. Our faculty diligently involved in encouraging students and preparing for a bright future. I am glad that I am part of this News Letter preparation and release. I am very much thankful to our Department Faculty members and my team members for helping me in making this News Letter. If you enjoy reading this newsletter then it is believed our efforts have served the purpose.

From Student Editor Desk



**Mr. Shubham Patil
F.Y.B Tech Student
Dept. of BSH**

Dear Readers,

We are happy to inform Volume 11, Issue I of our Newsletter is published. Our faculty involved has been encouraging student for effective and successful creation and publication. I am glad that I am part of this News Letter preparation. I am very much thankful to our Department Faculty members and my team members for helping me in making this News Letter. I hope you enjoy reading this newsletter.