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College of Engineering, Yadrav



**Dr. S. Y. Salunkhe**  
**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 Basic Sciences & Humanities is releasing out Newsletter Volume 12 Issue-1. This Newsletter will showcase the various activities that are happening in the Basic Sciences & Humanities 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.

**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 Basic Sciences & Humanities 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 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 12 of BSH News Letter. At the outset, I would like to thanks '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 writings and accomplishing activities conducted by the department...I wish you all the best!

## **Departmental Vision, Mission and Quality Policy**

### **VISION**

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

### **MISSION**

1. To inspire and motivate promising engineers by catering quality education through effective teaching learning methodologies.
2. To develop professional skills and right attitude in students that will help them to succeed and progress in their personal and professional career.
3. To imbibe moral and ethical values in students with concern to society and environment.

### **QUALITY POLICY**

Operating as a foundational department of institution, we are committed to inculcate all our curricular, extracurricular and industrial activities amongst the students in a sustainable manner by pursuing continuous improvement in all aspect of our academics.

## **Inside:**

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<b>Sr.No.</b>	<b>Contents</b>
<b>1</b>	<b>Preface Messages.</b>
<b>2</b>	<b>Department Vision, Mission and Quality Policy.</b>
<b>3</b>	<b>Induction Program</b>
<b>4</b>	<b>National Level Technical Event Impetus 2k25.</b>
<b>5</b>	<b>Expert Lectures conducted</b>
<b>6</b>	<b>Industry Visits organized</b>
<b>7</b>	<b>Value Addition Program</b>
<b>8</b>	<b>Cultural Activities</b>
<b>9</b>	<b>Science Club Activities</b>
<b>10</b>	<b>Faculty Achievements</b>
<b>11</b>	<b>Student Achievements</b>
<b>12</b>	<b>First Year students Association</b>
<b>13</b>	<b>Editor's Message</b>

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## Induction Program:

Purpose of Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate in them the 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 Program 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 2025-26 department of Basic Sciences & Humanities conducted a 11 days induction program from 18<sup>th</sup> August to 30<sup>th</sup> August 2025. It included 3 guest lectures, 2 orphanage visits, informative lectures about the institute and other activities like debate competition, sketch competition etc.

### Visit to orphanage:

These visits are arranged to create social awareness in students. During induction program students visited two Vrudhashrams namely Aai Vrudhashram(Nimshirgoan) & Seva Vrudhshram (Kupwad).



## Tree plantation:

In induction program Tree plantation was conducted to promote environmental awareness.



## Guest Lectures:

During induction program total 3 guest lectures were conducted as follows:

Sr. No.	Name of Expert	Topic	Date
1	Dr. Shishir Rudraxi	Life style upgrade for students	29/8/2025
2	Mr. Tejas Lendge	Training & Placement	30/8/2025
3	Dr. Manisha Bhojkar	Ethical Decision Making	26/8/2025



# NATIONAL LEVEL TECHNICAL EVENT IMPETUS 2K25



**Date of Conduction: 13<sup>th</sup>October 2025**

**Poster Presentation:** This activity was organized to improve presentation skill, communication skill of students.  
Topics for poster presentation: Quality Education, Zero Hunger, Gender Equality.



Rank	Winner Names	College Name
1	Ms.Rasika Kulkarni, Ms.Trupti Bhosale	SITCOE
2	Ms.Vaishnavi Karadkar, Ms.Sneha Mohite	DKTE
3	Mr.Himesh Anand Shinde	SITCOE

**War of words (Debate):** In this competition students were given various topics to express their views.



Rank	Winner Names	College Name
1	Aksa Musral	SITCOE
2	Sharwari Karande	SITCOE
3	Varad Kumbhar	SITCOE

## GUEST LECTURES:

In the academic year-2025-26(sem-I),total 06 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.

<b>Sr. No.</b>	<b>Name of Expert &amp; Designation</b>	<b>Topic</b>	<b>Date</b>
1	Mr. Chetan More, Owner of Shrisun Solar solution, Ichalkaranji	Affordable Energy for all : Startup Approaches to solar accessibility	25-09-2025
2	Mr. Dhaval Bagawade , Founder of Info Grow Institute, Kolhapur	Unlock Pathways, Unleash Possibilities - India & Abroad!	29-09-2025
3	Dr. Ajinkya Godase, Psychotherapist, Ichalkaranji	Addiction and Mental health: Engineering Approaches to Support Well being	09-10-2025
4	Ms. Ankita mane, German Language Trainer, SITCOE(Ichalkaranji )	Awareness of German language	03-12-2025
5	Mr. Nilesh Bavadhankar ( Director of LogiBit Technologies Pvt. Ltd) sangli	Career opportunities in software engineering	03-12-2025
6	Mr. Vikramsinh Magar (Founder of Bhagwat foundation Akluj )	Role of Engineers in Nation building	06-12-2025

## Glimpses of guest lectures



## INDUSTRIAL VISITS:

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

In Academic Year 2025-26(sem.I) total 8 places visited by the students.

Details of industry visits are as follows:

Sr.No	Date of visit	Place	Class
1.	26/09/2025	Flame Industries, Jaysingpur	F.Y.B.Tech
2.	4/10/2025	Autoline India, Hatkanagle	F.Y.B.Tech
3.	11/10/2025	Biyani Technologies, Kolhapur	F.Y.B.Tech
4.	22/11/2025	DRX concrete, Nimshirgaon	F.Y.B.Tech
5.	25/11/2025	R.K.Toraskar construction site, Hupari	F.Y.B.Tech
6.	04/12/2025	Netmech Fonders, Hatkanagle	F.Y.B.Tech
7.	13/12/2025	Pragati Construction, Kolhapur	F.Y.B.Tech
8.	24/12/2025	Perfect Plastic, Yadrav	F.Y.B.Tech

## Some Glimpses of Industry Visits:

**Industry Name:** Biyani Technologies, Kolhapur      **Date of visit:**11/10/2025



Total 70 students of FY(CSE) visited Biyani Technologies, Kolhapur along with 2 faculty members. Biyani Technologies is a leading software development company offering comprehensive software solutions and consultancy to educational institutes, colleges, schools and industries. They have offices in Kolhapur, Pune, Mumbai, Nagpur, Jaipur, Bhopal, Raipur, Chandigarh, etc. and international office setup in US.

**Industry Name:** Autoline India, Hatkanagle

**Date of visit:** 04/10/2025



- Total 70 students of FY(CSE) visited Autoline India, Hatkanagle along with 2 faculty members. **Autoline** is an ISO 14001 certified company established in the year 1997 in district Kolhapur. It is engaged in manufacturing critical components of pumps and engines for various reputed customers across the country.

**Industry Name:** R.K.Toraskar construction site, Hupari **Date of visit:** 25/11/2025



Total 65 students of FY(Electrical) visited R.K.Toraskar construction site, Hupari along with 2 faculty members. The purpose of the visit was to review structural progress, to expose students to real-world construction practices, techniques, safety measures, and project management processes.

**Industry Name:** Flame Industries, Jaysingpur **Date of visit:** 26/09/2025



Total 65 students of FY(Mechanical) visited Flame Industries, Jaysingpur along with 2 faculty members. Flame Industries was established at Jaysingpur, with the motto of providing best solution in heat treatment & surface treatment operations. Flame Industries is one of the prestigious organization of FIE group. It was established on 14th may 1978.

## VALUE ADDITION PROGRAMME

For the development of students VAP is arranged for FY students .This program 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	2025-26	19/11/25 – 28/11/25	285



**Cultural Activities conducted by BSH department:**



**Rangoli Competition:** (Date of Conduction: 09/12/2025)

Topics for rangoli: i) Save Earth ii) Good Health & well Being

iii)Clean Energy for bright future iv)Quality Education



Rank	Winner Names	Class
1	Prajwal Atigidad, Paras Acharekar	F.Y(D)
2	Gouri Gavate	F.Y(K)
3	Sanika Devadkar, Samruddhi Gaikwad	F.Y(A)
4	Tejaswi Mane, Vaishanavi Bhandare	F.Y(E)
5	Pooja Kumbhar, Rihana Mulla	F.Y(B)

Mehandi Competition: (Date of Conduction: 10/12/2025)



Rank	Winner Names	Class
1	Kanak Rajesh Gajabi	F.Y(G)
2	Rutuja Mahadev Renge	F.Y(G)
3	Rucha Ramesh Dhobale	F.Y(H)
4	Vaishnavi Balasaheb Patil	F.Y(C)
5	Sana Naikwade	F.Y(D)

Cooking Competition: (Date of Conduction: 11/12/2025)



Rank	Winner Names	Class
1	Riya Patil, Prachi Malikwade	F.Y(J)
2	Sakshi Jadhav, vaishnavi Banne	F.Y(I)
3	Nisha Kumbhar, Samruddhi Jankar	F.Y(F)
4	Atharv Patil, Sarthak Patil	F.Y(J)
5	Aditya Mahajan, Sanket Kharade	F.Y(A)

Salad Decoration Competition: (Date of Conduction: 11/12/2025)



Rank	Winner Names	Class
1	Anushka Patil, Shraddha Patil	F.Y(H)
2	Srushti Patil, Prachi Khot	F.Y(A)
3	Navshad B. Maddimani	F.Y(E)

## Science Club Activities:

**PPT Presentation:** PPT presentation competition was organized on the occasion of National Energy Conservation day on 23<sup>rd</sup> December 2025.

- Topics: Nature Restoration ,Digital Innovation, Smart Energy conservation in daily life, Plastic Management & Recycling Innovations,Conservation in Engineering Industries.



Rank	Winner Names	Class
1	Sharvari Sanjay Karande	F.Y(C)
2	Aksa Khalid Mursal	F.Y(J)
3	Vaishanvi Bhandare, Tejaswi Mane	F.Y(E)

**Poster Presentation:**Poster presentation competition was organized on the occasion of National Mathematics day on 26<sup>th</sup> December 2025.

Topics: i)Famous Mathematicians & their contributions

ii)Role of Mathematics in Engineering Innovations

iii)Application of Mathematics in Engineering iv)Vedic Mathematics

Rank	Winner Names	Class
1	Vaishanvi Bhandare, Tejaswi Mane	F.Y(E)
2	Aksa Khalid Mursal	F.Y(J)
3	Swaleha Satarmekar, Suhani Shelar	F.Y(H)



### Speech Competition:

- Topics: Student's Role in protecting the Environment
- Digital India: Boon or challenge for Youth
- Importance of Mental Health Awareness



Rank	Winner Names	Class
1	Ms.Tejaswi Mane	F.Y(E)
2	Mr.Paras Acharekar	F.Y(D)
3	Ms.Aksa Mursal	F.Y(J)

# Faculty Achievements

The department of Basic Sciences and Humanities always motivates faculty to participate in conferences, workshops, seminars and other activities.

NPTEL Courses done by faculties:



<b>Sr. No.</b>	<b>Name of Authors</b>	<b>Title of Paper</b>	<b>Name of Journal</b>	<b>SCI/ESCI/SCIE/Scopus/UGC care/Other</b>	<b>Index</b>
1	Dr. Deepa Karwa	Sufficient condition for geometric properties q-starlikeness and q-convexity of laguerre polynomial function	Journal of Fractional Calculus and Applications	Vol. 16(2) July 2025, No. 6. ISSN: 2090-5858.	UGC
2	Mr A R Jundale	Fabrication of bunny ear cactus- mimicking superhydrophobic silica coatings on marble to protect architectural heritage.	Surface Topography: Metrology and Properties	V-13 (2025-26)	Scopus
3	Mr A R Jundale	Design of transparent and superhydrophobic PDMS-silica coatings for sustainable photovoltaic applications	Materials Chemistry and Physics	(2025-26)	Scopus
4	Mr A R Jundale	Fluorine-free and breathable self-cleaning superhydrophobic CS/PDMS/PLA coatings on wearable cotton fabric with light-induced self-sterilization.	Progress in Organic Coatings	V-208 (2025-26)	Scopus
	<b>Name of Applicant/ Inventor</b>	<b>Name of the Patent</b>	<b>National / International</b>	<b>Published</b>	<b>Application No.</b>
1	Dr. S. Y. Salunkhe	Reinforcement Learning - Guided Quantum Inspired Framework For Feature Selection and Hyperparameter Optimization	National	Published	202521103093

## Student Achievements:

- Student of FY(Mechatronics) Prerana Biradar has won 2 gold medals in speed racing & musical chair with skating in a Sports event held at Jalgaon.



Name of Student :- Deepali Sahane and Shrushti Singh

Event :-Aayodhyam 25, Metallurgy Hackathon Task

Place :-WCE,Sangli

Secured :- 1<sup>st</sup> Rank



Piyush Chikhale  
Bronze Medalist  
Wrestling  
Freestyle(Men)



Pooja Thomake  
2<sup>nd</sup> place  
Chess(Women)



Piyush Gupta  
Bronze Medalist  
100 Meter Relay  
(Men)



Aditya Savale  
200 m running  
2<sup>nd</sup> rank



## First Year student Association:(FESA)

Co-curricular activities fuel the learning of students by stimulating creative thought, improving their social and organizational skills. Participation helps students in emotional development and social skill development. BSH department 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:

Sr.No	Post/Head	Student Name	Division
1	President	Gouri Uday Gondukupe	D
2	Vice-President	Piyush Kailash Gupta	A
3	Secretary	Komal Sanjay Khot	G
4	Treasurer	Rohan Ajane	B
5	Anchoring Committee	Smit Vijay Mohite	B
6	Cultural Committee	Anushka Rupesh Patil	H
7	Refreshment Committee	Piyush Anil Kamble	I
8	Stage Decoration Committee	Rugved Jagdish Mali	G
9	Discipline Committee	Samiksha Parshuram Kanake	F

			
<b>Ms.Gouri Gondukupe</b> President	<b>Mr. Piyush Gupta</b> Vice President	<b>Ms.Koml Khot</b> Secretary	<b>Mr.Rohan Ajane</b> Tresurer

## **Editor's Message**

**From Faculty Editor Desk**



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

**Dear Readers,**

We are presenting you with the Volume 12 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 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. Smrutigandha Jagdale**  
**F.Y.B Tech Student**  
**Dept. of BSH**

**Dear Readers,**

We are happy to bring out the Volume 12, 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. Soham Patil**  
**F.Y.B Tech Student**  
**Dept. of BSH**

**Dear Readers,**

We are happy to inform Volume 12, 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.