Annual Report

1. Details of the College

- Name and Address of the College: Saraswati College of Engineering

    Plot No. 46, Sector 5

    Near MSEB Sub Station,

    Kharghar,

    Navi Mumbai 410210

- Year of Establishment: : 2004
- Telephone and & Fax Number   : Telephone: (022) 27743707, 27743708 / Fax: (022)

    27743712.

- Email   : principal.scoe@gmail.com, registrarsaraswati@gmail.com
- Vision /Mission of the College:

    Vision: "To become center of Excellence in Engineering education and research"

    Mission: "To educate students to become quality technocrats for taking up challenges in all facets

of life"

2. Achievements in brief

1. Times of India Engineering Institute 2024 Survey: 85th in Private Engineering Institute Ranking in India.
2. Award of 'Best NSS Unit' by Mumbai University.
3. AAA Grade by career 360.
4. Two departments got accredited by NBA for 3 years (Civil Engineering and IT Engineering departments).

3. Contemporary Add-On Courses/ Technical Events For The Advancement Of Education

International/ National Conference Organized

Sr No.	Title	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
	National Conference on Recent Innovative Trend in Computer Engineering and Information Technology (CRITCEIT-2023)	06/04/2023	06/04/2023	Prof. (Dr.) Iyyanki. V. Muralikrishna	Professor and Director [R&D]	JN Technological University, Hyderabad
	National Conference on Innovation in Civil Engineering (NCICE-2023)	06/04/2023	06/04/2023	Prof. (Dr.) Iyyanki. V. Muralikrishna	Professor and Director [R&D]	JN Technological University, Hyderabad

	National Conference on Research Avenues in Mechanical and Automobile Engineering		06/04/2023	06/04/2023	Prof. (Dr.) Iyyanki. V. Muralikrishna	Professor and Director [R&D]	JN Technological University, Hyderabad

Technical Competition

Technical Competition							
Sr No.	Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
Academic Year 2023-24							
1	NASA SPACE APPS CHALLENGE PRE QUALIFIER HACKATHON 2023	Project Competition	08-09-2023	09-09-2023	1. Mr. Pankaj Suryawanshi, 2. Mr. Kaustubh Markande, 3. Mr. Ganesh khopade	1. Project Manager, 2. Sr. Software Test Engineer, 3.Space App India Team Member	1. IBM 2. Hdfc Ergo General Life Insurance Pvt Ltd) 3. Space App India
2	Smart India Internal Hackathon 2023	Project Competition	26-09-2023	26-09-2023	1. Dr. Ritu Jain 2. Dr. Madan Jagtap 3. Dr. Shailja Sharma Shukla 4. Prof. Shraddha Subhedar	1. Proffesor - CE 2.Professor and Dean Higher Studies 3. Professor CSE(DS) 4. HOD, CSE(AIML)	Saraswati College of Engineering
3	AVISHKAR 2024	Project Competition	05/04/2024	05/04/2024	Hitesh Dadhich / Mr. Amit Gawade / Dr. Vidyullata Devmane	Developer/ Data Scientist / Associate Professor	IBM India Pvt Ltd / L & T Infotech / Shah & Anchor Kutchhi Engineering College
4	Codies 2.0		18/3/2024	18/3/2024	Prof.Maahi K	HoD I.T	SCOE

Sr	Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
5	Technothon - 2024 - State Level Project competition for Degree Students		15/03/2024	15/03/2024	Mr. Rajaram Nayak, Prof.Shanthi Selvam	Chief Engineer Associate Professor	CIDCO SCOE
6	Technothon - 2024 - State Level Project competition for Diploma Students		15/03/2024	15/03/2024	Prof. Roshni John Prof. Dinesh Joshi	Associate Professor, SCOE	SCOE
7	ConstructoSpark-24		15/03/2024	15/03/2024	Prof. Sanjay Singh , Prof. Deepali Phadthare, Prof. Chaitali Isal, Prof. Asmita Lakhothe,Prof. Shweta Motharkar, Prof. Dinesh JoshiProf. Niranjan Patil, Prof Molly Mathew and Prof. Manoj Pillai	Assistant Professor/ Associate Professor	SCOE
8	INNOVATE FEST		21/3/2024	21/3/2024	Dr.Paramjit Thakur, Prof Mitali Mhatre, Prof.Madhukar SOrte/Prof.Pramod Mourya, Dr.Sonali Jadhav, prof.Baviskar	Assistant Professor/ Associate Professor	

Technical Seminar/ Guest Lecture

Sr No.	Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
				Academic Year 2023-24			
1	Expert lecture on Advanced	Expert lecture	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar

	Processors(DLCA)						
2	Expert lecture on SQL & Relational Database Management system(DBMS)	Expert lecture	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
3	Data Structure Training	Technical	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
4	Java Training	Technical	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
5	Seminar on Cyber Security and Wellness	Seminar	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
6	Seminar on Smart Money Moves	Seminar	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
7	Seminar on Career and Profile Building	Seminar	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
8	Seminar on Data Science Applications and its Profiles	Seminar	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
9	Expert lecture on Cyber security Awareness	Expert lecture	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
10	Seminar on AI	Seminar	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
11	Webinar on Entrepreneurship skill,Attitude and Behaviour Development	Webinar	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar

12	Seminar on How to Write Research Paper	Seminar	18/03/2024	18/03/2024	Dr.Sheetal Bukkawar	Assistant Professor	SCOE, Kharghar
13	Expert lecture on Analysis of Algorithm	Expert lecture	18/03/2024	18/03/2024	Prof.Chhaya Narwekar	Assistant Professor	Xavier College
14	Expert lecture on Microprocessor	Expert lecture	27/03/2024	27/03/2024	Dr.Manjusha Deshmukh	Principal ,SCOE kharghar	Scoe Kharghar
15	Webinar of Project Managment and Scheduling	Webinar	10/04/2024	10/04/2024	Dr.Mona Deshmukh	Associate Professor	VESIT Chembur
16	SCOE Aviskaar 2024	Compitation	04/04/2024	04/04/2024	Prof. Ragini sharma,Prof. Gayatri Dharap,Prof. Sarita Kale	HOD CSE(DS),Assistant Professor,Assistant Professor	SCOE,Kharghar
17	Codecraft in collaboration with coding club	Technical	01/04/2024	2/4/2024	Mr. Yasir Sheikh, Mr. Rakesh Singh	CTO, Technical Lead	Salescode.AI , Macksofy technologies pvt. Ltd
18	TE Training (Campus Credentials)(JAVA)	Training	07/02/2024, 18/03/2024	16/02/2024, 22/03/2024	Mr.Ashish Gadpayle,Mr.Ronak Mitra	Trainer	Campus Credentials,Mumbai
19	TE Training (Campus Credentials)(Python)	Training	07/02/2024, 18/03/2024	16/02/2024, 22/03/2024	Mr.Rafik Shah,Mr.Manish Thakur	Trainer	Campus Credentials,Mumbai
20	TE Training (Campus Credentials)(Aptitute)	Training	23/01/2024	06/02/2024	Mr.Vishajit Dhuppe, Miss. Shruti Mishra	Trainer	Campus Credentials,Mumbai
21	Dissemination of Major Project	Seminar	14/07/2023	14/07/2023	Prof. Dinesh singh Dhakar	Assistant Professor	SCOE

22	Orientation Program for Second Year Students	Orientation	17/7/2023	17/07/2023	Prof. Shraddha Subhedar	HOD	SCOE
23	Mini Project 1A Dissemination Session for SE	Seminar	18/07/2023	18/07/2023	Prof. Snehal Gavale	Assistant Professor	SCOE
24	Mini Project 2A Dissemination Session for TE	Seminar	25/0702023	25/0702023	Prof. Snehal Gavale	Assistant Professor	SCOE
25	CyberSafe	Expert Seminar	01/08/2023	01/08/2023	Mr. Faizan Kalam, Cyber Security Expert	Technical Trainer	
26	Seminar on Cybersecurity		07/08/2023	07/08/2023	Mr. Manish Singh	Technical Trainer	Inflow Tech. Pvt. ltd.
27	NASA space AppChallenge Pre-Qualifier hackathon	Project Competition	08/09/2023	09/09/2023	Mr. Pankaj Suryavanshi	Project Manager	IBM - India
28	MOVE AHEAD with JAVA	Technical Talk	04/09/2023	20/10/2023	Pro. Yugandhara Gaware	Assistant Professor	SCOE
29	Teachers day celeration		05/09/2023	05/09/2023	Prof. Shraddha Subhedar,	Assistant Professor	SCOE
30	Blood Donation Camp		12/09/2023	12/09/2023	AISA		SCOE
31	THALASSEMIA AWARENESS SYMPOSIUM	Seminar	26/09/2023	26/09/2023	Mr. Jitendra Jadhwani	Secretary and past president	RC Millennium City Navi Mumbai
32	Smart India Hackathon	Project Competition	26/09/2023	26/09/2023	AICTE	AICTE	RC Millennium City Navi Mumbai.
33	E yantra lab orientation and 1 day workshop for FE Students	Workshop	06/10/2023	06/10/2023	Mrs.Deepa Avudiaappan, Mr.Avijit Pandey	Reg Manager eYantra, Sr.Project	IIT Bombay

						Technical Assistant	
34	Dissemination of 1 A DSE Mini Project	Seminar	10/10/2023	10/10/2023	Pro. Yugandhara Gaware	Assistant Professor	SCOE
35	Induction Event	Event	11/10/2023	11/10/2023	Prof. Abhishek Chauhan	Assistant Professor	SCOE
36	Tech Series on JavaScript	Technical Talk	19/10/2023	19/10/2023	Pro. Yugandhara Gaware	Assistant Professor	SCOE
37	Webinar on Popular Destinations for Studying Abroad	Webinar	12/10/2023	12/10/2023		Trainer	AZENT Organization
38	Fueling Entrepreneurial Spirits	Expert Seminar	16/01/2024	16/01/2024	Mr. Rishabh Modi		Amity University
39	Technical Series: By the students, For the students Session 3: Modern Android Development	Seminar	05/02/2024	05/02/2024	Subhi Pandey	Student of CSE-AIML Dept.	SCOE
40	Cryptography systems and security	Expert Seminar	09/02/2024	09/02/2024	Dr. Prashant Lokhande	Professor	Pillai COE, Panvel
41	Navigating the Realm of Data Analytics. Data Science and Machine Learning	Expert Seminar	22/02/2024	22/02/2024	Chaitanya Sathe	Developer and trainer	Milestone Institute of Technology
42	Process of Innovation Development	Expert Seminar	28/02/2024	28/02/2024	Dr. Sheetal Mapare	R&D Convener	Vidyalankar Institute of technology

	and Technology Readiness Level						
43	SQL and relational database management systems.	Expert Seminar	22/03/2 024	22/03/2 024	Prof. Tushar Ghorpade	Assistant Professor	RAIT, Nerul
44	on "Outcome Based Education"	Seminar	3 /1/2024	3 /1/2024	Dr. A. S. Wayal	HOD Civil Engg.	VJTI
45	JAVA TRAINING	Training	6/12/202 3	05/01/20 24	PROF. DASHRAT MAGAR	ASSISTANT PROFESSOR	SARASWATI COLLEGE OF ENGINEERING
46	Seminar on Cyber Security	Seminar	1/8/202 3	1/8/202 3	Mr.Faizan Khan	Cyber Security Expert	NIKISTIAN MEDIA PRIVATE LIMITED
47	Cross Platform Mobile Application Development	Seminar	17/08/2 023	17/08/2 023	Mr.Avinash Khodke	Tech Lead	Prepbook
48	DATA STRUCTURES training program	Training	06/12/2 023	05/01/2 024	Prof RITU JAIN	ASSISTANT PROFESSOR	SARASWATI COLLEGE OF ENGINEERING
49	ALUMIN TALK	Seminar	17/6/20 23	17/6/20 23	SING RAUNAK,BISAL NASKAR,GUND POOJA,CHOUD HARI POONAM,GAU RAV MAHENDER SIDANA,JAY RAJESH VANJARE,SUTRI WALA TAABISH.	DEVELOPERS	IT COMPANIES

50	Seminar on "Career in Cyber Security"	Seminar	7/8/2023	7/8/2023	Mr. Manish Singh & Mr. Prateek Tiwari	Trainer	Computer Department with Inflow Tech Pvt Ltd
51	Workshop on Web Development	Workshop	8/11/2023	8/11/2023	Mr. Kunal Sharma (For the students by the students)	TE Student (Computer)	SARASWATI COLLEGE OF ENGINEERING
52	Workshop on Cyber Security	Workshop	8/12/23	10/12/23	Mr.Rishi Raj	Trainer	Computer Department with Inflow Tech Pvt Ltd
53	Session on "Placement requiosites and preparation"	Seminar	18/1/24	18/1/24	Mr. Vinay Raikar	CEO & Founder, Campus Credentials	Computer Department in collabration with TPO
54	Workshop on "Python with marvels"	Workshop	18/1/24	21/1/24	Mr. Kunal Sharma (For the students by the students)	TE Student (Computer)	SARASWATI COLLEGE OF ENGINEERING
55	FDP on Applied Data Science	Training	24/4/23	28/4/23	Mr. Amit Gawade	Data Scientist	LTI (Larsen & Toubro Infotech), Mumbai
56	Seminar on "How to write reaserch paper"	Seminar	12/03/2024	12/03/2024	Dr. Sheetal Bukkawar	Porfessor	SARASWATI COLLEGE OF ENGINEERING
57	SEMINAR BY DIY GURU	Seminar	24th August 2023		Mr. Vivek	Founder of DIY	DIY GURU, Thane
58	Expert Seminar on Career Counselling in the field of Welding Technology	Expert Seminar	30/3/2024	30/3/2024	Nasid Hussain &Mr.Satish Nair	Senior Engg	Weldwell Speciality Pvt Ltd
59	Epert Seminar on Engineering Revolution	Expert Seminar	19/3/2024	19/3/2024	Mr.Ramakant Sharma		

60	Guest Lecture on ANSYS Software	Guest Lecture	6/9/2023	6/9/2023	Mr.Bhushan Chougule	Founder	Manage Code Cultivate LLP
61	Guest Lecture on Boiler	Guest Lecture	3/8/2023	3/8/2023	Mr.Abhay Khobragade/Imran Mujawar	Deputy Director	Maharashtra Govt
62	Seminar on Career Opportunities for Mechanicla Engineering Students	Seminar	3/8/2023	3/8/2023	Mr.Bhushan Chougule	Founder	Manage Code Cultivate LLP
63	Expert Seminar on Generative AI	Guest Lecture	14/3/2024	14/3/2024	Ms.Shivangi Gupta	Data Analyst	IITkharagpur
64	Cloud computing	Guest Lecture	13/03/2024	13/03/2024	Prof. Vipul Kushwaha	Assistant Professor	sardar patel institute of technology
65	Big data analytics	Guest Lecture	19th Oct 2023	19th Oct 2023	Dr. Ameya Tripathi	Professor	Don Bosco institute of technology
66	Seminar on "How to write reaserch paper"	Seminar	14th March 2024	14th March 2024	Dr. Ritu Jain	Porfessor	SARASWATI COLLEGE OF ENGINEERING

Industry/ Site Visit

Sr No.	Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
				Academic Year 2023-24			
1	Industrial Visit	INDUSTRIAL VISIT	7/2/2024	7/2/2024	Mr. Chaitanya Sathe	Senior Executive	Milestone Institute of Technology
2	Sewage Treatment Plant	INDUSTRIAL VISIT	20/3/2024	20/3/2024	Mr.Abhay Dhoke	Plant Incharge	Prof.Asmita Lakhote,Dr.Saumya Singh

Sr No.	Title	Type of event	Date from	Date to			Resource Person Name
3	Kharghar skywalk	INDUSTRIAL VISIT	26th &27th March 2024	26th &27th March 2024			Prof.Roshni John & Prof.Nilima Shende
4	RMC Plant	INDUSTRIAL VISIT	19th March 2024	19th March 2024	Mr.Suresh MAlhar	RMC Plant MAnager	Prof.Sujaya Wadekar & Prof.Deepali Phadtare
5	Traffic Volume Study	INDUSTRIAL VISIT	13/10/2023	13/10/2023	Manoj S Pillai	Assistant Professor	Prof.Manoj Pillai,Prof.Pallavi Tajane
6	Solid Waste Treatment Plant	INDUSTRIAL VISIT	20/10/2023	20/10/2023	Mr.Deepak Nargade	Plant Incharge	Prof.Asmita Lakhote
7	Industrial Visit-Hindustan Unilever Lever	INDUSTRIAL VISIT	18/1/24	18/1/24	Mr.Rakesh Verma	Executive	Hindustan Uniliver Limited

STTP

Sr No.	Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
				Academic Year 2022-23			
1	Student Training Programme on Java	STTP	23/12/2022	23/01/2023	Arya Ratish	Faculty	IIT Bombay
2	Student Training Programme on Python	STTP	23/12/2022	23/01/2023	Prabhu R	Faculty	IIT Bombay
3	Student Training Programme on PHP & Sql	STTP	23/12/2022	23/01/2023	Kavita Kharad	Faculty	IIT Bombay

Workshop/ FDP

Sr No.	Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
				Academic Year 2023-24			
1	NFDP on GenAI and Prompt	FDP	15 April 2024	19 April 2024	Aravind Reddy	Corporate Trainer/Data	MNC, ExcelR

	Engineering using Microsoft Copilot					Scientist/Sr.Data Science Trainer	
2	Workshop on JavaScript with Hands-on		17/10/2023	20/10/2023	Mr.PriyanujC , Mr.Sahil G	Intern	JIO
3	TechElevate:BI Analytics and Mobile development		19/03/24	26/03/2024	"Mr.Mohammed Hassan		
4	InnovateX Workshop: Design Thinking in Future Technologies		5/2/2024	10/2/2024	Mr.Tejas Gavale, Mr.Prajyot Kinare,Mr.Aniket kinare,Mr.Rushikesh Shinde,Mr.Abhishek P"	Executive ,Data Analyst Intern	SmartCtrl, kkc and Associates,Onlei Technologies,, X38 AI Labs,Reliance JiO,Digital Documentation
5	FDP on Novel Aspects of Climate Change and Disaster Management		01/01/2024	06/01/2024	Mr. Chetan Shigvan, Shashank Poojary, Ankit Tiwari, Mr. Faizan Kalam, Mr, Ashish Gadpayle, Mr. Rafik Shah, Mr. Chaitanya Sathe	Intern, Instructor, Senior Executive	Digital Marketing, Campus Credential, Milestone Institute of Technology
6	(ATAL) Academy Faculty Development Program on Management of Natural Resources in view of Climate Change		01/01/2024	06/01/2024	Dr. Saumaya Singh, Dr. Raji S, Prof. Roshni John and Dr. Yogesh Agarwadkar	SCOE VJTI SPCE Inficorridor Sol Pvt Ltd A.P Shah Amity School of Engineering F.C Rodrigues Institute of Technology NPCIL WALMI TISS	SCOE VJTI SPCE Inficorridor Sol Pvt Ltd A.P Shah Amity School of Engineering F.C Rodrigues Institute of Technology NPCIL WALMI TISS

7	Hands on Java workshop		04/09/2023	07/09/2023	"Dr. Saumaya Singh (SCOE)	Rudraksha Welfare Foundations, JIO	Rudraksha Welfare Foundations, JIO
8	WORKSHOP ON EV TRENDS, TECHNOLOGY AND SCOPE		22nd August 2023		Dr. Prashant Bhave (Professor , VJTI)	Saraswati College of Engg.	Saraswati College of Engg.
9	One day workshop on safety		24 January 2024		Dr. Ajaykumar Kambekar (Associate Professor , SPCE)	Honda motors	Honda motors
10	Hands on Wokshop on Bibliometric Rview and Reference MAnagement		27th May 2024	28th MAy 2024	Dr. Yogesh Agarwadkar (Director, Inficorridor Sol Pvt Ltd)	SCOE VJTI SPCE Inficorridor Sol Pvt Ltd A.P Shah Amity School of Engineering F.C Rodrigues Institute of Technology NPCIL WALMI TISS	SCOE VJTI SPCE Inficorridor Sol Pvt Ltd A.P Shah Amity School of Engineering F.C Rodrigues Institute of Technology NPCIL WALMI TISS

4. Research Grants

SPONSORED RESEARCH

ACADEMIC YEAR 2023-24

Sr No.	Name of Students / faculty	Amount	Project Tittle	Agency	Faculty Coordinator
1 (Status-Approved)	sahil warude sujay Bhaskar Prathamesh Araskar Kedar Bhambid Santosh Sukhdev Karande Aakash Ravindra Wakkar Shubham Suryakant Pandit	Rs. 35000/-	Characterization and Fabrication of Pineapple Fiber Reinforced with Epoxy Resin	Mumbai University	Prof. Sreejith S, ME Design
2 (Status-Proposal Submitted)	Yash Arvind Gaikwad (L) Rahul Pramod Mahadik Sahil Uday Jadhav Rishikesh Vishwanath Golam	Rs. 50000/-	Solar Operated 0.75 tones split air conditioning system	ISHRAE	"Dr. Madan Jagtap (Manufacturing System Engineering)"
3 (Status-Proposal Submitted)	Adesh Bamugade Rohan Kadave Vishal Karande Mohd Ejaz Siddiqui	Rs. 45800/-	Design and Fabrication of Oxygen Concentrator for use in Healthcare and Industrial Sector	ISHRAE	"Prof.Sunil Jankar M TECH Thermal Engineering"
4 (Status-Proposal Submitted)	Mohammad yamen siddiqui Nitesh Dhananjay Bandarapu Manthan Chandrakant Viadya Arbaz Aziz Mirde	Rs. 20000/-	Design and fabrication of indirect Evaporative Air Cooler	ISHRAE	"Prof.Sunil Jankar M TECH Thermal Engineering"
5	Dr. Paramjit Thakur	Rs. 109150/-	Fabrication of clay based sponge for cooling application	SCOE	Dr. Paramjit Thakur

5. Patents

DESIGN REGISTERED						
7	407734-001	Concrete Precision Control Device	Prof. Sujaya Wadekar Prof. Yugandhara Kasture Prof. Sanjay Singh Prof. Manoj Pillai	16/02/2024	Design registered 10/05/2024	407734-001
9	393029-001	Agricultural Soil Data Analysis for Crop Health	Dr. Yogesh R. Shahare Namrata Arya	18/08/2023	Design registered 30/10/2023	393029-001
PATENT PUBLISHED						
10	202421027026	Integrated Solar-Powered Composting System	Dr. Saumya Singh Harshal Vithal Patil Ayush Kamalesh Mokal Gaurav Sunil Patil Ganesh Ramchandra Gaikwad	01/04/2024	03/05/2024	The Patent Office Journal No. 18/2024
11	202421008875	Automated Cattle health management belt with medication Dispenser	Prof. Ragini Sharma Prof. Shraddha Subhedar Prof. Gayatri Dharap Prof. Jayshri Bankar Prof. Sarita Kale	09/02/2024	22/03/2024	The Patent Office Journal No. 12/2024
12	202421000862	Automated Talent Acquisition System With Machine Learning Capabilities For Human Resources Management	Prof. Dinesh Singh Dhakar	04/01/2024	02/02/2024	The Patent Office Journal No. 05/2024
13	202421003870	Improved mobility ratchet mechanism for wheelchairs designed for individuals with disabilities	Prof. Pramod Deshmukh Prof. Sonali Jadhav Prof. Devakant Baviskar Mr. Shubham Patil Mr. Aniket Pawar Mr. Jayesh Pandhare Mr. Praful Annadate	19/01/2024	09/02/2024	The Patent Office Journal No. 06/2024
14	202321083447	Automated Eco-Friendly Cloth Vending Machine For Reducing Plastic Bag Usage	Dr. Sheetal Bukkawar	07/12/2023	05/01/2024	The Patent Office Journal No. 01/2024

| 15 | 202321075552 2 | Automated retractable bridge system for multimodal access | Prof. Shweta Motharkar Prof. Roshni John Prof. Vinitha Jovar Mr. Bhavesh Koti | 6/11/2023 | 8/12/2023 | The Patent Office Journal No. 49/2023 |

1. **Consultancy**

Sr.No	Name of Consultancy work	Organization	Faculty in-charge	Status of work	Amount Generated
1	"Approval of Structural Drawing for sewage treatment plant 0.4 MLD capacity".	J.M. Enviro Technologies Pvt. Ltd, Vile Parle, Mumbai	Dr. S. M. Rangari	Completed 04/03/2020	Rs. 59,000/-
2	Material Testing of Tor Steel reinforcement bars	Institute of Engineers, Belapur CBD, Navi Mumbai	Prof. Roshni John	Ongoing	Rs. 27,200/-
3	Material Testing of Tor Steel reinforcement bars	Institution of Engineers, Belapur CBD, Navi Mumbai	Prof. Roshni John	Ongoing	Rs.18,800/-
4	Mechanics of Solid Lab of Concrete and steel testing	MOS lab	Institute/ Principal / HOD / Faculty	Ongoing	Rs. 29000/-

Sr .No.	Name of Consultancy work / Project Title	Year	Funding Agency	Amount
1	Smart street light using IR sensor, LDR module and aurdino	2023-2024	Prince Engineering Airoli, Navi Mumbai	Rs. 25000/-
2	Coffee Shop Management System	2023-2024	Café Cloud Ratnagiri	Rs. 21000/-
3	Outlet Planner	2023-2024	Savi Production Thane	Rs. 18000/-
4	Canteen Management System	2023-2024	Satkar Cateres Navi Mumbai.	Rs. 19000/-
5	Home Flavours	2023-2024	Filehs Foods Jogeshwari West, Mumbai	Rs. 17000/-
6	Inventory Management System	2023-2024	Filehs Foods Jogeshwari West, Mumbai	Rs. 20000/-
TOTAL RS.				**Rs. 120000/-**

Sr .No.	Name of Consultancy work / Project Title	Year	Funding Agency	Amount
1	LAWTRIX Application	2023-2024	Pooja Prakash Deshpande,Advocate High Court,B-201, Srushti CHS, Near Jagmata Temple Kolbad, Thane West, Mumbai	Rs. 64,000/-
2	EvoCare Webapp	2023-2024	Shree Clinic, Khade Chawl, Ganesh Wadi, Behind Nitin Co., Nr. Kaushalya Hospital, Thane(W), Mumbai	Rs.35,000/-
TOTAL RS.*				**Rs. 99,000/-**

2. Research Activities

Sr no.	event details with date	No of participants
1	Department of First Year Engineering In association with IIC Organizing Elocution Competition on, "Importance of Education in India's growth and nation's commitment to all aspects of Education" On Occasion of National Education Day 2023……!!!	100
2	Department of Mechanical Engineering In Association with IIC and IQAC organizing Broadcasting Speech on, "Viksit Bharat @ 2047", dated 11 Dec 2023……!!!	30
3	"NASA SPACE APPS CHALLENGE PRE QUALIFIER HACKATHON 2023", organized by saraswati college of Engineering in association with IIC & IQAC dated 08th and 09th September, 2023…..!!!	90
4	Webinar on "Basics of Patent Drafting and Filing", organized by Research and Development Cell, Saraswati college of engineering in association with IIC and IQAC dated 2nd Sept, 2023……!!!	80
5	"Smart India Internal Hackathon 2023", organized by Saraswati College of engineering in association with IIC and IQAC dated 26th September, 2023…..!!!	100
6	Expert Talk on "Waterproofing of Structures and Durability of Concrete", for developing early stage entrepreneurs organized by Department of Civil Engineering, Saraswati college of engineering in association with IIC and IQAC dated 25th January, 2024……!!!	50
7	Visit to City Institute of Disaster Management, Parel for developing early stage entrepreneurs in disaster management organized by Department of Civil Engineering, Saraswati college of engineering in association with IIC and IQAC dated 3rd January, 2024……!!!	30
8	Industrial Visit at Global Technology Service Provider IPCS, Conducted a session on Achieving Automation solution fit and automated product market fit, organized by Department of Mechanical Engineering, Saraswati College of engineering in association with IIC and IQAC dated 8th Dec, 2023……!!!	52
9	"InnovateX workshop: Design thinking in future technologies" organized by Department of Information technology, Saraswati College of engineering in association with IIC and IQAC dated 5th Feb- 10th Feb 2024……!!!	58
10	Seminar on "Research Paper Writing Technique", organized by Department of Data Science, Saraswati College of engineering in association with IIC and IQAC dated 8th Feb 2024……!!!	60
11	National Energy Conservation Day Celebration by NSS, Saraswati College of engineering in association with IIC and IQAC dated 14th Dec 2023……!!!	100
12	National Youth Day Celebration by NSS, Saraswati College of engineering in association with IIC and IQAC dated 12th Jan 2024……!!!	60
13	AICTE-Training and Learning (ATAL) sponsored faculty development program on "Management of Natural Resources in View of Climate Change was conducted from 1st January 2024 to 6th January 2024 at Saraswati College of Engineering, by Department of Civil Engineering in association with IIC and IQAC……….!!!!	50
14	"Outreach Innovation Program on GIS an Effective Tool for Research and Innovation" organized by Department of CIVIL ENGINEERING, Saraswati College of engineering in association with IIC and IQAC dated 12th Feb 2024……!!!	67
15	"Session on problem solving and ideation" organized by Saraswati College of engineering in association with IIC and IQAC dated 12th Nov 2023……!!!	70

3. Implementing Industry Academia Partnership (MOU)

Sr No.	Department	Institute	Purpose	Date from	Date to
	Civil	CII - Indian Green Building Council (IGBC)	Knowledge Sharing & Job opportunities & Workshop	4/07/2022	4/07/2024
	AUTO	Bhavna Auto wheels Pvt Limited	Provide Training, Seminar, Workshop	21/11/2022	20/11/2027
	CS	Inflow information technology Pvt. Ltd	Provide Training, Seminar, Workshop	06/07/2022	05/07/2025
	College level	Saturday club Global trust	To handle various activity to achieve academic achievement		
	IT	Inflow information technology Pvt. Ltd	Provide Training, Seminar, Workshop	06/07/2022	05/07/2025
	College level	SI-UK	To handle various activity to achieve academic achievement	18/04/2023	17/04/2028
		IIT Bombay spoken Tutorials	Knowledge sharing, workshops, seminars	23/12/22	12/1/23
		CSI	Knowledge Sharing & Job opportunities & Workshop	2023	2024
	Civil	OM E&P	Knowledge Sharing & Job opportunities & Workshop	27th August 2021	30th July 2026
	Civil	Konkan Railway Corporation Ltd.	Knowledge Sharing & Job opportunities & Workshop	9/11/2021	9/11/2026
	AUTO	D Carbonising Center India Pvt Limited	Engineering and Design skill development programmer	15/02/2022	14/02/2027
	MECH	CADD CENTRE Training Services Pvt.Ltd	To handle various activity to achieve academic achievement	10/4/2022	09/04/2025
	IT	Taijas InfoTech Private Limited	Workshop on React Native with Hands on	22/04/2022	30/04/2025

4. Placement Activities

List of Training Programs conducted in AY 2023-24						
Sr. No.	Event	Date	Organisation	Name of Speaker	No. Of Students	Hours
1	Session On Placement Preparation For VISTAAR and VIP Drive	08.10.2023	Saraswati College of Engineering, Kharghar.	Mr. Chaitanya Goswami	15	1
2	Training Program on Advanced Java	01.12.2023 to 05.12.2023	Saraswati College of Engineering, Kharghar.	Prof. Kirti Pawar, Assistant Professor	10	30

3	Training Program on Data Structure	06.12.2023 to 15.12.2023 & 01.01.2024 to 05.01.2024	Saraswati College of Engineering, Kharghar.	Prof. Reetu Jain & Prof. Dashrath Magar, Assistant Professor	60	36
4	Training Program on Java	06.12.2023 to 22.12.2023	Saraswati College of Engineering, Kharghar.	Prof. Dashrath Magar, Assistant Professor	35	30
5	Session for Aptitude and Technical test	06.12.2023	Saraswati College of Engineering & Campus Credentials	T & P Team	85	3
6	Awareness program by Linkdin & AFH	28/12/2023	SCOE Kharghar & MaTPO & Aspire for her foundation in association with LinkedIn	Mrs. Ruchika Jadhav and Mrs. Alpana Sampson	30	1
7	Career guidance program for Mechanical Engineers in Marine Engineering by Expert	9/1/2024	Saraswati College of Engineering, Kharghar.	Prof. Akash Choudhary, Institute of Maritime Studies Goa	25	1
8	Session on "placement requisites and preparation"	18.01.2024	Saraswati College of Engineering, Kharghar.	Mr. Vinay Raikar	229	3
9	Java Training Program	07.02.2024 To 16.02.2024 & 18.03.2024 To 22.02.2024	Saraswati College of Engineering & Campus Credentials	Mr. Ashish Gadpayle, Mr. Ronak Mitra & Mr. Prashant Jha	41	78

10	Python Training Program	07.02.2024 To 16.02.2024 & 18.03.2024 To 22.02.2024	Saraswati College of Engineering & Campus Credentials	Mr. Rafik Shah & Mr. Manish Thakur	48	78
11	Aptitude Trainning	23.01.2024 To 06.02.2024	Saraswati College of Engineering & Campus Credentials	Mr. Vishwajeet Dhupe & Mrs. Shruti Mishra	83	72

5. Introducing Online Courses

Faculty uses open courseware from national and international universities likeIIT, MIT (USA). Virtual laboratories, e-learning resources from National Programme on Technology Enhanced Learning (NPTEL), open educational resources, mobile education etc

6. Students Clubs and Committees Formed To Inculcate Leadership Quality in Students

Institute insists upon inculcating moral, ethical and social values in students to develop them as responsible citizen of India. Various committees involving students and faculties are active in the college. Following are the students clubs and committees formed to inculcate leadership quality in students.

Group A : National and International

- CSI – Computer Society of India
- ISHRAE- Indian Society of Heating Refrigerating and Air Conditioning
- SAE - Society of Automotive Engineers
- IETE - Institution of Electronics and Telecommunication Engineers
- ISTE - Indian Society for Technical Education
- IWWA- Indian Water Works Association
- IGBC- Indian Green Building Council.

Group B : College level cultural /technical clubs

- Student Council
- Team Prahar Racing
- Placement team
- EN Cell
- Music Club

- Dance Club
- Sports Club
- Fashion Club

Group C : College level social clubs
- National Service Scheme(NSS)
- Rotract Club

Group D : Department level associations
- ACE - Association of Computer Engineers
- CESA – Civil Engineering Student Association
- ETSA - Electronics and Telecommunication Students   Association
- RACE – Reliable Automotive Council of Engineers
- SAIT - Student Association For Information Technology
- MESA - Mechanical Engineering Students Association

7. Entrepreneur Network Cell Activities

An Entrepreneur network Cell (ENC) is formed in the Institution, to expose the students to the field of entrepreneurship .The Entrepreneurship network Cell aims at reaping and nurturing innovativeness and encouraging entrepreneurial culture among students. The Entrepreneurship network Cell is primarily responsible for stimulating, sustaining and supporting entrepreneurial ventures within the campus, providing them with necessary assistance and resources.

sr no.	Event details with date	Number of participants
1	one day seminar by successful Entrepreneur on, "Entrepreneurship as an opportunity" on 9th Nov 2023……!!!	50
2	one day seminar by start-up founder on, "Showcase your innovation as a start-up" on 15th Oct 2023……!!!	25
3	"Motivational Session on Innovator's life and crossroad by successful Innovator" By Mr. Mahesh Ubale	50
	Organized by Department of Automobile Engineering saraswati college of Engineering Dated 16 Oct 2023…..!!!	
4	Expert Talk on "Waterproofing of Structures and Durability of Concrete", for developing early stage entrepreneurs organized by Department of Civil Engineering, Saraswati college of engineering in association with IIC and IQAC dated 25th January, 2024……!!!	70
5	Webinar on "Entrepreneurship Skills, Attitude Development, and Behavior Development", organized by Department of Data Science, Saraswati College of engineering in association with IIC and IQAC dated 11th Feb 2024……!!!	55

6	National Science Day and start up day Celebration by NSS, Saraswati College of engineering in association with IIC and IQAC dated 12th Feb 2024……!!!	70
7	An Expert Seminar on "Process of Innovation Development and Technology Readiness Level", was conducted on 28th Feb 2024 at Saraswati College of Engineering, by DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING in association with IIC and IQAC……….!!!!	45
8	"Start-up day celebration" organized by ED Cell, Saraswati College of engineering in association with IIC and IQAC dated 16th Jan 2024……!!!	50

8. <u>Social Activities</u>

Sr No.	Title	Organized By	Date
Academic Year 2023-24			
1	National Integration Camp Gujarat	NSS	10/02/2023-16/02/2023
2	Momento Of Appreciation During Blood Donation Drive	MU	11/09/2023
3	Meri Mati Mera Desh Momento		31/10/2023
4	National Integration Camp Jalgaon	NSS	30/11/2023-06/12/2023
5	Blood Donation With KEM Hospital	NSS	19/03/2024
6	Blood Donation With Jagjivan Ram Hospital	NSS	12/04/2024

<u>Social Activities by Rotract Club:</u>

Sr. No	Name of the activity	Year of the activity
1	Radio Voyage	**2023-24**
2	Let's Talk	**2023-24**
3	CONSOLE CLASH	**2023-24**
4	Kohinoor	**2023-24**
5	JAMFEST 2.0	**2023-24**
6	SANDSCAPE.	**2023-24**
7	Drop of Hope	**2023-24**

8	Threads of kindness	2023-24
9	ARTVENTURE	2023-24
10	SUSTAINABLE SEND OFF	2023-24
11	NIRMITI	2023-24
12	WE FOR HER	2023-24
13	BGMI SHOWDOWN	2023-24
14	Ping Pong Masters	2023-24
15	Saraswati Premier League	2023-24
16	Snap it	2023-24
17	Human Rights Day	2023-24
18	Celebrate Her	2023-24
19	World Rotaract Week	2023-24
20	Cook Off	2023-24
21	GIT AND ROLL	2023-24
22	ODISSA ODYSSEY	2023-24
23	बोल - the art of speaking	2023-24
24	VAKRATUNDA	2023-24
25	Business Boosters Network	2023-24
26	Money Moves	2023-24
27	Start-up Spark	2023-24
28	Harmony in Diversity	2023-24
29	Navrang 2.0	2023-24
30	Ageism	2023-24
31	Documentation Insight	2023-24
32	Rotaract Decode	2023-24
33	Spooky Tales	2023-24
34	Quizetri	2023-24
35	"Nephophilias Assemble"	2023-24
36	SHUBHARAMBH	2023-24
37	CHEERFUL CHRISTMAS	2023-24
38	MANORANJAN	2023-24
39	आपले बाप्पा	2023-24
40	नमः गणपति	2023-24
41	Prakriti Vinayak	2023-24
42	Eternal Heroes Of Freedom	2023-24
43	Saraswati Open	2023-24
44	SUPER STRIKER SHOWDOWN	2023-24
45	RYLA 2023-24	2023-24
46	Moonlight 5.0	2023-24
47	Dodge Wars	2023-24
48	SUSTAINABLE SEND OFF	2023-24

9. Benefices Provided To Economically Under Privileged Students In The College.

- Book bank schemes are available for economically weak students.

- The institution helps to receive scholarship to SC/ST, OBC and economically weaker students from Government of Maharashtra/DTE/Samajkalian office/Adivasivikaskaryala as per the policies.

Sewage Treatment Plant (STP)

Sewage Treatment Plant of 1,00,000 lit per day filtration capacity

10. Rainwater Harvesting

Rainwater harvesting tank

Capacity of Rainwater harvesting is 50,000 liters