From the Desk of Executive President
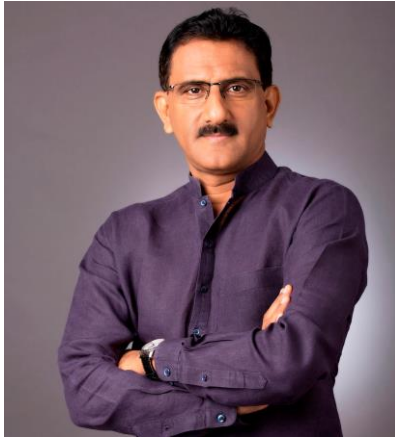
Shri. Sunil Rane

Executive – President of Atharva Group of Institutes and Founder Secretary – AET

Dear Students

On behalf of the entire Atharva family, I would like to extend a warm welcome to all First Year Engineering students as you embark on your journey in the field of Engineering.

Engineering is a field that requires creativity, critical thinking and problem-solving skills. It is a discipline that pushes the boundaries of innovation and plays a crucial role in shaping the world we live in. As engineering students you are part of a select group of individuals who have chosen to dedicate themselves to making a lasting impact through scientific advancements and technological breakthroughs. Throughout your time at our esteemed institution Atharva will provide you with a comprehensive education that combines theoretical knowledge with practical application. Atharva encourages you to engage in extracurricular activities, participate in student committees and collaborate with your peers to create an environment that is conducive to learning and collaboration.

I look forward to witnessing your growth and accomplishments as you strive to make a difference in the world of Engineering.

Best wishes

Sunil Rane
Founder Secretary, Atharva Educational Trust
Executive President, Atharva Group of Institutes

The Round Table Symposium

The Round Table Symposium was organized by the Training and Placement department and the Conference Team of Atharva College of Engineering on August 31, 2023. The invited speakers were Prof. Samish Dalal, Mr. Deep Shah, Ms. Kruti Shah and Ms. Tapasi Saha.

The Round Table Symposium serves as a platform to provide students with insight into current industry trends, challenges, enhancing their understanding of the real world, so that students gain clarity on potential career growth.

The topics included the discussion on different career paths within engineering (e.g., research, design, management, and entrepreneurship), highlighting the importance of choosing a career path that aligns with one's interests and skills, identify and discuss essential skills and competencies for engineers, including technical, soft, and leadership skills, emphasize the role of continuous learning and adaptability in an engineer's career.

Contents

Information Technology Department Activities:

Alumni Talk

The Department of Information Technology has successfully organized an Alumni talk on 3rd August, 2023 at 3:00 pm in Phase I, Smart Classroom 2, ACE. Keynote speaker for the session was Mr. Tejas Karkera (M.S in Data Science aspirant). The session concluded with the discussion related to higher studies, importance of internship and ways to mould careers. The discussion paved way to the confused minds of SE students.

Orientation Program

The Department of Information Technology Engineering has successfully organized an "Orientation Program on Java based Mini project" for SE students on 3rd August, 2023 in Phase I, Smart Classroom II, 5th Floor, ACE.

The session was conducted by Prof. Anuradha kapoor and Prof. Pallavi Mahajan. Session include discussion on detailed information of how to develop mini projects step by step.

Oath ceremony

The Department of Information Technology Engineering has successfully organized an Oath ceremony at 10 am on 9th August 2023, in the respective classrooms

Internship Opportunity Session

The Department of Information Technology (INFT) has successfully organized an Internship Opportunity/Offer Session for both Third-Year (TE) and Final-Year (BE) students from all branches on the 4th of July 2023.

This highly anticipated seminar was conducted by the esteemed Dr. Amanpal Singh Chawla, an IIM Ahmedabad graduate and founder of Finsaarthi. The purpose of this session was to provide students with valuable guidance and information regarding internship opportunities in the field of website and mobile app development.

Dr. Amanpal Singh Chawla, has offered internships to a group of 19 students for the exciting opportunity. The selected interns will be involved in the development of websites and mobile applications under the guidance and mentorship of Dr. Chawla.

The interns will have the opportunity to apply their knowledge and skills in practical projects, gaining valuable hands-on experience in the process that will support their career aspirations and professional growth in this field.

Departmental Advisory Board Meeting

The Department of Information Technology (INFT) has successfully organized a Departmental Advisory Board Meeting on 14th July, 2023.

The objective of the Event: Update the stakeholders about academic & extra-curricular activities of the department in the academic year 2022-23 and get feedback & suggestions for improvements.

Dr. Ramesh Kulkarni, Principal, ACE gave a brief idea about college activities carried out for the overall development of students. Dr. Archana B Patankar provided ideas to enhance student engagement and promote a positive learning environment.

Mr. Upendra Nadgaonkar and Dr. Amanpal Chawla suggested ways to incorporate industry-relevant skills and practical experiences into academic programs to enhance students' employability. Mr. Sharang Ambadkar and Mr. Ashish Haldar recommended strategies to enhance alumni engagement and involvement with the institution and lifelong learning opportunities. Mr. Mangesh Sangekar advocated for a diverse range of extracurricular activities that cater to student's interests and talents outside of the academic curriculum. Suggestions were given by stakeholders for the further development of the department.
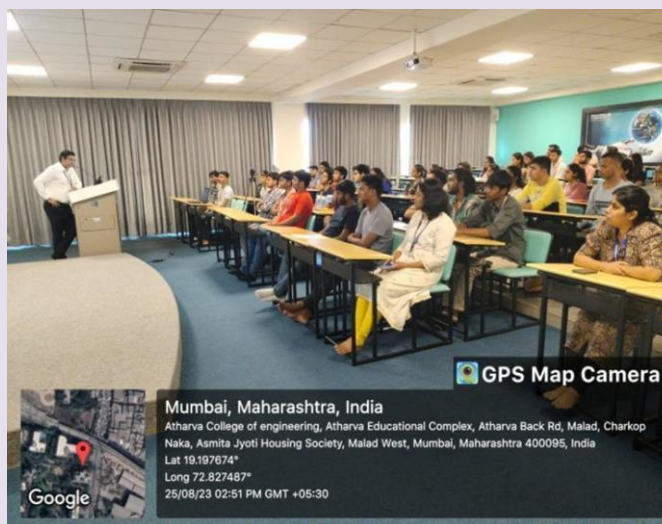
Computer Engineering Department Activities:

Seminar on "Placement Preparation

The Department of Computer Engineering organized a seminar on "Placement Preparation" by speaker Mr. Jigar Dave, Software Development Engineer, Hashedin by Deloitte, Bangalore on 25/07/23. He provided guidance to the students for recruitment, how to master a specific technical skill, preparation for the aptitude round of an online assessment process; resume building and various other techniques for placements. He bridges between industry and academia by his vision of knowledge. He addressed 63 students in his enlightening session.

Seminar on "Lean Start-Up and Minimal Viable product/Business"

Innovation Cell, Atharva College of Engineering, Mumbai, jointly with Department of Electronics and Telecommunication Engineering (EXTC), Department of Information Technology (INFT) and Department of Computer Engineering (CMPN) conducted a Session on "Lean Startup & Minimum Viable Product/Business" on 25/08/23. The Session was addressed by Dr. Bhavin Shah - H.O.D. - Department of Electronics and Telecommunication Engineering (EXTC), Atharva College of Engineering (ACE), Mumbai, ARIIA Coordinator-iCell & Innovation Ambassador of IIC (Ministry of Education's Innovation Cell) & focused on Lean startup & Minimum viable product/business. Prime focus was given for scalable business through lean startup & understanding customer needs & wants prior to launching any product in market & aspects of Minimum Viable Product/Business & exercising Build, Measure & Learn post launch of a minimum viable product.

Guest Lecture on "Computer Color Matching"

The Department of Computer Engineering organized a Guest lecture on "Computer Color Matching" by speaker Ms Vijaya Shanbhag, Samaj Sevika, Bharat Swabhiman Trust,Mumbai on 25/08/23.She taught about a perception of color in computers, advantages of computer color matching, computer signals video cards and use of a computer color matching system. She addressed 73 students in the session.

Alumni Talk

An Alumni Talk was organized by the Department of Computer Engineering on 21/07/23. The programme was attended by 102 students. The keynote speakers of the talk were our Alumni students Mr Prem Rawal (Project Manager at Plant-for-the-Planet (German based Global NGO) Co-founder at D&C Studios- Technology Catalyst at Zealver Life (MyCare Health Solutions), Mr. Siddaharth Suman (Senior Software Engineer, Y Media Labs.) and Mr. Prajwal Bhagwat (TCS). They enlightened the students by sharing their career journey and talked about recent trends in technology, personal development and continuous learning. They share the importance of maintaining a healthy work-life balance and emphasizing the importance of lifelong learning.
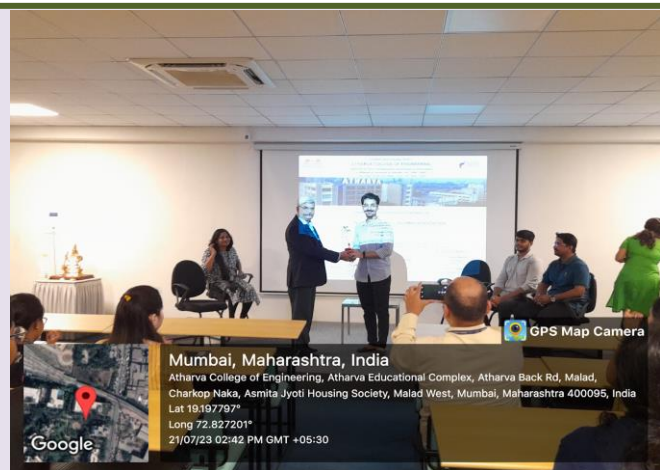
Departmental Advisory Board Meeting

The Department of Computer Engineering organized a Departmental Advisory Board Meeting on 23/08/23 addressed by committee members Dr. Ramesh Kulkarni, Principal, Atharva College of Engineering, Mumbai, Dr. Suvarna Pansambal, Associate Professor and Head of Department of Computer Engineering Department (ACE), Dr. Kavita Sonawane, H.O.D.(CMPN), St. Francis Institute of Technology, Borivali (West),Mumbai , Mrs.Jaymala Salunkhe, Team Developer, Bank of America continuum, Mumbai, Prathamesh Ramesh Nangare, 2014 passout (Eatazio LLP), Harshad Pawar, 2022 passout (Accenture), Shiva Gupta, 2015 passout (Infosys).

The objective of the Event was to update the stakeholders about academic & extra-curricular activities of the department in the academic year 2022-2 and get feedback & suggestions for improvements. They suggested ideas to enhance student engagement and promote a positive learning environment and talked about the strategies to enhance alumni engagement and involvement with the institution and lifelong learning opportunities.

EXTC Engineering Department Activities:

The Department of EXTC has successfully organized a Two Days Workshop on "Hands on Training in VLSI using Microwind Tool" for EXTC and ECS faculty members on 13th & 14th July 2023.

The session was conducted by Mr. Shrikant Atkarne, Senior Application Engineer, Spaartasoft Technology Solutions. Faculties had practical exposure to the layout designing using Microwind software tool and Circuit schematic designing using DSCH software and also had interactive sessions with Mr. Shrikant Atkarne who is an expert in VLSI domain.


Alumni Talk

The Department of EXTC has successfully organized an Alumni Talk on "Higher studies (GATE) preparation" for TE and BE students on July 17, 2023. The sessions was conducted by Mr. Ajay Ghodke (passout year 2021-22) currently a Research scholar at IIT, Delhi (RFdesign and Technology). The Speaker shared his experience and strategies to crack GATE examination and also shared knowledge of different research domains.
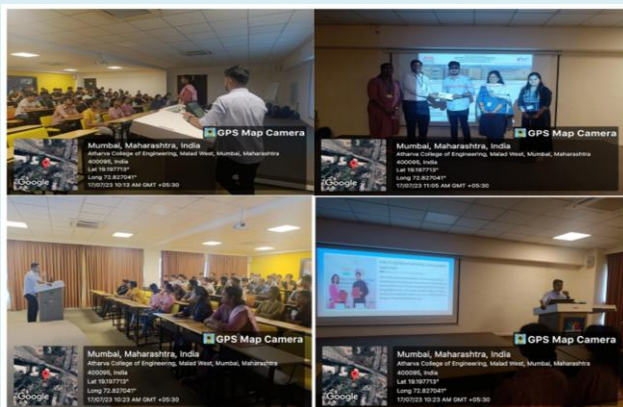
Seminar on Fundamentals of Antenna

The Department of EXTC has successfully organized a seminar on "Fundamentals of Antenna, its Design and Applications "for SE and TE students on 4th August 2023.

The session was conducted by Mr. Jayesh Banatwala Founder, Mumbai Amateur Radio Institute. The speaker shared his knowledge in the domain of basic concepts, terminology, and principles of antennas and emerging trends in Antennas.
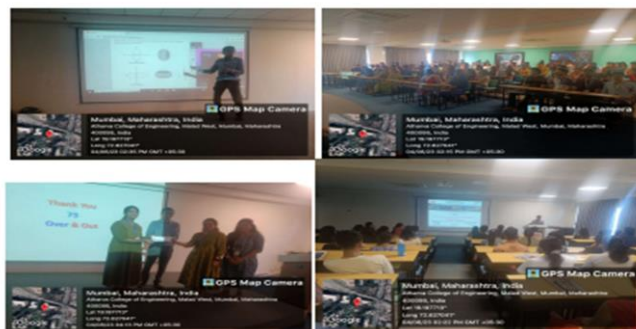
Guest Lecture

The Department of EXTC has successfully organized a guest Lecture on ""Financial Literacy Using Gamifications" for SE and TE students on August 8, 2023.

The session was conducted by Dr. Amanpal Singh Chawla Founder & CEO, Finsaarthi Learning Solutions Ms. Bijal Pathak Risk Management advisor, 9X wealth Financial Services. Speaker shared his knowledge about financial literacy, Investment policies and risks involved in it.

Workshop

The Department of EXTC has organized a two days' workshop on "Microcontroller coding using Smowcode" for TE students during August 23-24, 2023.

The session was conducted by Mr. Adhik Mewada Founder & CEO, Smowcode. The session was very interactive with content of basic introduction to microcontroller, hands on session on smowcode software and exposure to real time applications using microcontroller.

Electrical Engineering Department Activities:

Department of Electrical Engineering conducted a Seminar on Resume Building with the aim of providing participants with the necessary knowledge and skills to create an effective and impactful resume. It was conducted by Anu Seengal Maam, TPO officer. During this part of the seminar, attendees were encouraged to focus on quantifiable achievements and the impact of their work in previous roles. Participants were guided on how to use action verbs and specific metrics to showcase their contributions effectively

Seminar on Project Management was conducted by Electrical Department on 29th August 2023. The seminar was conducted by Mrs. Renu Agarwal. The topics of the seminar were Project management, quality management, SWOT Anlysis and Risk Assessment and management.

Webinar on Energy Management and green building under EBC was organized on 23rd August 2023. The webinar was presided over by Prof. Manan Pathak , Assistant Professor of Silver Oaks institute of Technology. Topics covered in this webinar were Forseen Impact of EBC and its compliances.

Electronics and Computer Science Department Activities:

Department of Electronics/Electronics and Computer Science conducted an Industrial Visit at "Arvind Mehata Technology and Entrepreneurship Centre Andheri, Mumbai "on 3rd & 4th August, 2023.
Students got the opportunity to learn the process of 3D printing and scanning, and the entire process of manufacturing plastic products was demonstrated by Ganesh Plastic Pvt.Ltd.

Department of Electronics/Electronics and Computer Science conducted a workshop on "Foundations and Beyond: A Workshop on Computer Science Essentials" on 23-08-2023 by Mr. Prerak Gada, TE Student ECS Department. 53 students attended the workshop. The session was focussed on career building and new computer science technologies and will benefit the students in choosing the right career.

Department of Electronics/Electronics and Computer Science conducted NPTEL Awareness workshop by Prof. Prajakta Borole on 24th July 2023- 26th July 2023. 70 students attended the workshop. The session was interactive and is definitely going to benefit students in choosing mini project topics.

Alumni talk

Department of Electronics/Electronics and Computer Science conducted an Alumni talk on the topic "Introduction to Docker-Cloud Framework " on 25-08-23 by Mr. Shridhar Sahu [Developer, InDigital Technologies Pvt. LTD.]. No. of Students attended the talk: 30. The students were able to understand the Dockers framework.

Faculty Achievements:

1. Dr. Suvarna Pansambal (HOD, CMPN Department) reviewed a paper for the 3rd International Conference on Advanced Computing Technologies and Applications-2023 (ICACTA).

2. Prof. Bhavna Arora faculty of CMPN attended a workshop of youth festival organized by Mumbai University.

3. Dr. Suvarna Pansambal (HOD, CMPN Department) attended an FDP on Mathematics in Real, Applied and Computational Domains organized by Sathyabama Institute of Science and Tech., Chennai.

4. Prof. Bhavna Arora faculty of CMPN attended an FDP on Mathematics in Real, Applied and Computational Domains organized by Department of Mathematics, School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai, from 3 to 8 July, 2023.

5. Prof. Ashwini Kachare faculty of CMPN attended a one week faculty development programme on "Artificial Intelligence and its Application" organized by Chalapathi Institute of Technology.

6. Department of EXTC faculty Dr. Jyoti Mali has undergone Innovation Ambassador (IA) training foundation level conducted in online mode by MoE's innovation Cell & AICTE during the IIC calendar year 2022-23.

7. Department of EXTC faculty Dr. Jyoti Mali has undergone Innovation Ambassador (IA) training foundation level conducted in online mode by MoE's innovation Cell & AICTE during the IIC calendar year 2022-23.

8. Department of EXTC HOD, Dr. Bhavin Shah, HOD awarded appreciation for being an excellent Speaker in the Global Discussion Conclave 2023 and the topic is Artificial Intelligence (AI) : A Blessing Or An Existential Threat To Humanity? By International Internship University on 18th June 2023.

9. Department of EXTC faculty Prof. Mahalaxmi Palinje attended National Level one Week Faculty Development Program on, Advances in 5G and Next Generation Networks (5GNGN) technically Sponsored by IEEE Bombay Section and Supported by IEEE SITSB & YCCESB organised during 26th-30th June,2023.

10. Department of EXTC faculty Prof. Mahalaxmi Palinje1) participated in DST- SERB sponsored Workshop on Semiconductor devices for IoT application organized by LPU from 30th June 2023 to 1st July 2023.

11. Department of EXTC faculty Prof. Supriya Dicholkarpublished a paper titled "Comparative Analysis of resampling Techniques on Imbalanced CIE-CICIDS2018 Dataset for DoS Attack Detection" in Scopus index journal, Journal of Data Acquisition & Processing on 2nd June 2023

12. Dr. Kavita Bani was conferred with a PhD. (Engineering) degree on 18th August 2023 from NMIMS University, Mumbai.

Student Achievements:

1. Suyash Sunil Mane of Third Year got certified in python programming by Great Learning Academy.

2. Vedant Shreyas Vartak of BE got certified in Cyber Security by Cisco verified Networking Academy.

3. Prerak gada, Prathamesh W, Shruti Jha and Neel Shinde participated in the Maze Solver challenge of TechnoXian, held at Noida Indoor Stadium Complex Noida (NCR) India from 25-27th July 2023.

4. Prerak gada, Prathamesh W, Shruti Jha and Neel Shinde participated in the Sr. Innovation contest challenge of TechnoXian, held at Noida Indoor Stadium Complex Noida (NCR) India from 25-27th July 2023.

5. Prerak gada, Prathamesh W, Shruti Jha and Neel Shinde participated in Fastest Line follower Challenge of TechnoXian, held at Noida Indoor Stadium Complex Noida (NCR) India from 25-27th July 2023.

NSS Activities

Yuva Sanvad – 2nd August 2023 ❖

NSS Atharva B-57 Unit participated in the 'Mahasul Saptaha' organised by the Revenue and Forest department of the Government of Maharashtra. The 'Mahasul Saptaha' is celebrated from 1st August to 7th August. The second day of the occasion was termed as 'Yuva Sanvad'. The event was being held at Chetna College, Bandra. NSS volunteers of various colleges had participated in the event. The event was graced by the presence of Shri. Mahendra Kalyankar (Divisional Commissioner, Konkan region), Shri. Rajendra Bhosale (Collector, Mumbai Suburban) and the CEO of Chetana College, Madhurata Patil Madam. Both of the dignitaries gave the volunteers a brief understanding of how the Revenue and Forest department works and how we can help them as volunteers and even took suggestions for the betterment for the same. The volunteers were also given information on how the electoral department works and how new voters can register for a Voter ID card. The event ended with a vote of thanks to the dignitaries and the volunteers.

Organ Donation Pledge – 3rd August 2023

NSS Atharva Unit had organized an event to spread awareness about the noble act of organ donation on the occasion of Indian Organ Donation Day.

The event was being held at Atharva College of Engineering, Malad. We NSS Atharva Volunteers pledged to donate organ after death to save more lives. "Jis angg ko Marne ke baad khaaak hai ho jaana,fir usse kyu nahi bhalaai ke kaam mai lagaana".The Volunteers pledged with great enthusiasm and the event was a great success.

Poster Making Competition – 3rdAugust 2023

NSS Atharva B-57 unit organized a competition where volunteers made posters on the topic of organ donation. The aim was to make people aware of how important it is to donate organs and to encourage others to join this noble cause. Many volunteers took part in the competition and showed their artistic skills by creating posters on the topic of organ donation. The posters made were all message-giving, different styles and colours, all with powerful messages about saving lives and showing compassion. A group of judges evaluated the posters based on their creativity, clear messages, and how well they promoted organ donation.

Handmade Rakhi Making – 24th August 2023

NSS Atharva B-57 unit had organized a Handmade Rakhi for the Malvani Police officers. The event was held at Atharva College of Engineering. The motive of this event was to create handmade Rakhi's for police officer which is a thoughtful way to show appreciation for their service. Rakhi's will serve as meaningful tokens of respect and gratitude towards the police officers in the community.

## Tree Plantation for MMMD – 7th August 2023

NSS Atharva B-57 unit collaborated with Mission Green Mumbai. NSS volunteers from other colleges also participated in the event and planted 75 trees and contributed a lot to nature.

Jamsetji Tata National Seminar and Exhibition – 7th August 2023

NSS Atharva B-57 Unit participated in a university-level event on the "Role of Scientists and Scientific Institutions in India's Freedom Struggle," held at the University of Mumbai as part of Azadi ka Amrut Mahotsav. The event commenced with the National Anthem, followed by the introduction of the Chief Guest, the esteemed Governor of Maharashtra, Shri Ramesh Bais. Notable dignitaries present included Dr. Anil Kakodkar, Former Chairman of AEC, Dr. Shekhar Mande, National President of VIBHA, and Prof. Ravindra Kulkarni, the Honorable Vice-Chancellor, who facilitated the guests. A concise video about Mumbai University was shown, followed by speeches on "Jamsetji Tata" and the history of the Tata Group of industries.

The message of Sir Ratan Tata was conveyed by Shekhar Mande. Panel discussions featuring experts in Industrialization, Enrichment, and Empowerment were conducted. Experts provided insights into Swami Vivekananda, a prominent Freedom Fighter. The event concluded with the announcement of the winners of the quiz competition
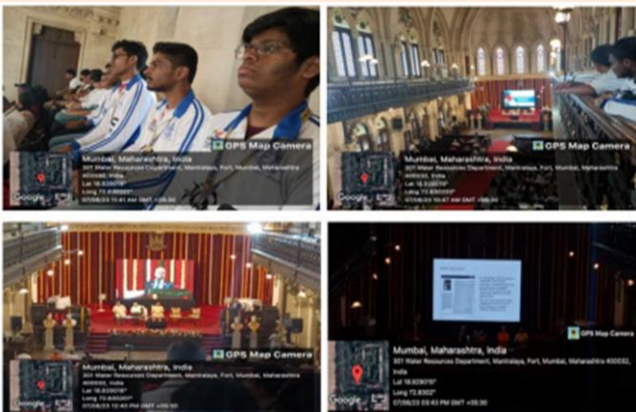
Rakshabandhan with Fire Brigade Officers – 28th August 2023

NSS Atharva B-57 organized a Rakshabandhan celebration program with all the Fire Brigade Officers at Malvani Fire Station. The main motive behind this event was to appreciate and thank all our fire fighters for their bravery and courage. NSS Atharva volunteers, prepared rakhis as a token of respect for the selfless service of these fire fighters. All the female volunteers did 'aukshan' and tied rakhis on the wrists of all these fire fighters. Later, a handmade thank-you card was also given as a vote of thanks.

RakshaBandhan with Malvani Police Officers – 28th August 2023

The NSS Atharva B-57 unit celebrated the auspicious festival of Rakshabandhan with the officers of the Malvani Police Station. Raksha Bandhan is the festival of celebrating protection, love and support a person gives us. Hence, we celebrated this festival at the Malvani Police Station as the Police Force is always there for us. The event started with our female volunteers tying rakhi and distributing sweets to them. Afterwards, the male volunteers gave handmade 'Thank You' cards to the police force as a token of respect and thanked them for their duty, which they did irrespective of any festival or holiday. Overall, the event was a great success.

Independence Day –15th August 2023

NSS Atharva B-57 Unit volunteered in the organization of the Independence Day event on 15th August in Atharva College Campus. The flag was hoisted by our Honourable Principal and The Chief Guest. Soon after that, the guests and Principal gave a speech addressing our great Country and its greatness. Then a group of NSS volunteers performed Lezim and the audience was stunned by the performance.

Food Distribution Drive – 13th August 2023

NSS Atharva B-57 Unit organised a Food Distribution Drive in collaboration with ConnectFor. The event had an important objective, which was to distribute food to kids and engage in fun activities with them as the country celebrated its 77th Independence Day.

The food distribution was done by the Robinhood Army. It was proud and pleasing to celebrate the auspicious day of the country's freedom along with young kids and make them understand the importance of keeping our nation as our priority and our national flag as our pride.

Youth Manifesto Forum – 18th August 2023

The Volunteers of NSS Atharva B-57 Unit actively participated in the Youth Manifesto event organized by the University of Mumbai and the Organization Make Your Presence. The focus of the day was the orientation of the Youth Manifesto, with the underlying purpose of amplifying the voices and demands of the youth providing them the platform to select and communicate their aspirations to the government.

Flag Distribution and Awareness– 13thAugust 2023

NSS Atharva B-57 Unit, in collaboration with "ConnectFor", organized an event named"Flag Distribution and Awareness". The event was for kids in Andheri West slums. The objective was to teach the kids about respectfully using flags as well as understanding the importance of flags. The "Robinhood Army," a group known for aiding the less fortunate, distributed meals as part of the celebration. An effective collaboration between "ConnectFor" and the "Robinhood Army" was recognized by this successful event.

Orientation for juniors – 21th August 2023

The NSS Atharva B-57 Unit conducted an orientation seminar for its junior volunteers. The event was conducted to introduce the newly recruited volunteers to NSS and how it works. The event began with a brief word from Prof Sameer Katakdounde, our P.O., wherein he congratulated the recruits, guided them about how NSS Atharva works, and wished them luck for their tenure. During the event, the senior volunteers gave a detailed introduction about NSS, the events and work NSS does, and the rules and regulations that are followed during said events.

Deep Dive Panchpran Pledge – 9thAugust 2023

NSS Atharva B-57 had organised a Pledge under the Meri Mati Mera Desh campaign. Prime Minister Narendra Modi during the 103rd Man Ki Baat announced the Meri Mati Mera Desh campaign which started from 9th August 2023 for honouring the martyred brave-hearts of the country. Prime Minister suggested the Meri Maati Mera Desh campaign should give true value to its tagline 'Mitti ko naman, veeron ka vandan.

FE Students' Induction Programme

Student's Induction Programme' was organized by the Department of Humanities and Applied Sciences to welcome the first year students who were admitted to the Engineering program at the institute premises. Students had been welcomed by Head of the department Dr. Ritu Sharma and Principal Dr Ramesh Kulkarni of Atharva College of Engineering. The objective of the programme was to make the students aware of the academic aspects of the course, the rules and regulations of the Institute and ensuring participation in monitoring the performance and progress of the students. Various lectures were organized to imbibe human values among the students.