



# राष्ट्रीय अग्निशमन सेवा महाविद्यालय, नागपुर NATIONAL FIRE SERVICE COLLEGE, NAGPUR



**Taj Hassan, IPS**  
Director General  
FS, CD & HG

## FROM THE DIRECTOR GENERAL'S DESK

I am extremely delighted to learn that the National Fire Service College, Nagpur is bringing out a quarterly '**E- NFSC Newsletter**' for the first time highlighting the activities of the college.

Our institute holds the manifold distinction of being amongst the best in the country in fire engineering and training having world class training and modern infrastructure, laboratories, equipment and appliances to impart knowledge and exposure on hands-on experience to the students and trainee officers. Being an institution that never rests on its laurels, it continues to progress in the mission of developing and excelling in the areas of education, training, research, student progression and innovation. Newsletter is like a mirror which reflects the clear picture of multidimensional activities undertaken by any institute.

I am sure that publishing an 'E- NFSC Newsletter' containing the achievements of the college will enlarge the sphere of recognition. I wish that all faculty members, officers and staff continue their untiring efforts not only to retain the established reputation but also to grow to further heights.

I congratulate the Director and his team of officers for future endeavours.

## FROM THE DIRECTOR'S DESK

It is a matter of great pride that the first **e-NFSC Newsletter** of this institution is being launched in the first quarter of the year 2022, With a vision and mission of the college of building a strong force of Fire Engineers and Professionals in the country, this e-newsletter will represent a positive step in the direction in facilitating of quality education and training enhancement initiatives. I appreciate the hard work of the team of officers in their highly commendable efforts and congratulate them on the publication of this e-newsletter. We hope your feedback and suggestions will help NFSC to develop further in its endeavours of creation, sustenance and enhancement of scientific and technical quality in the college.



**R S Chaudhari**  
Director, NFSC

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## NEW LEADERSHIP

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Shri Rajesh S Chaudhari, a two time President medal awardee for Meritorious and Distinguished Services has taken over the charge of Director, National Fire Service College, Nagpur with effective from March 17, 2022.

Shri Chaudhari, who is also Deputy Director of NDRF Academy has a rich experience in teaching Fire Technology,

Disaster Management, Civil Defence, Search and Rescue Technique, Bomb Safety, Hazardous Chemical Response, Medical First Responder, etc.

A Fire Engineering graduate of batch '85-'88 NFSC, Shri Chaudhari started his career at Bhabha Atomic Research Centre, Mysore as Station Officer (Fire). Later he was selected by UPSC as a faculty of National Civil Defence College, Nagpur (now NDRF Academy) in 1993. Ever since, he has been associated with NFSC and gave a strong representation at various National and International Platforms.



*Shri Chaudhari, Director NFSC being welcomed by Head of Office Dr. Gouthamkumar, Asst. Professor*



*Flag hoisting ceremony on Republic Day at NFSC*

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## REPUBLIC DAY OBSERVATION

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Republic Day was observed on 26th January at NFSC to commemorate the enactment of the constitution of India which came into effect on January 26, 1950 and made our nation into a republic.

This year, the red letter day was observed at NFSC considering all precautionary measures with respect to COVID pandemic.



*President's Medal for Distinguished Service awardee Shri SK Pal being recognized by Director*

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## RETIREMENT RITUALS

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Fire Rescue Operator Shri RR Dharne superannuated in March. The retirement ceremony was organized at fire ground in presence of Director Shri Rajesh S. Chaudhari, all Assistant Directors, Assistant Professors, staff members and Trainee Officers, Shri Dharne has given distinguished service for 30 years and has been a major part in the development of this prestigious institution.



*Retirement ceremony of Shri. R. R. Dharne*

An article was published in Elsevier by a group of final year students under the supervision and project administration of Dr. D, K, Singh, Assistant Professor.

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## ARTICLE: FIRE RETARDING COMPOSITE BOARD

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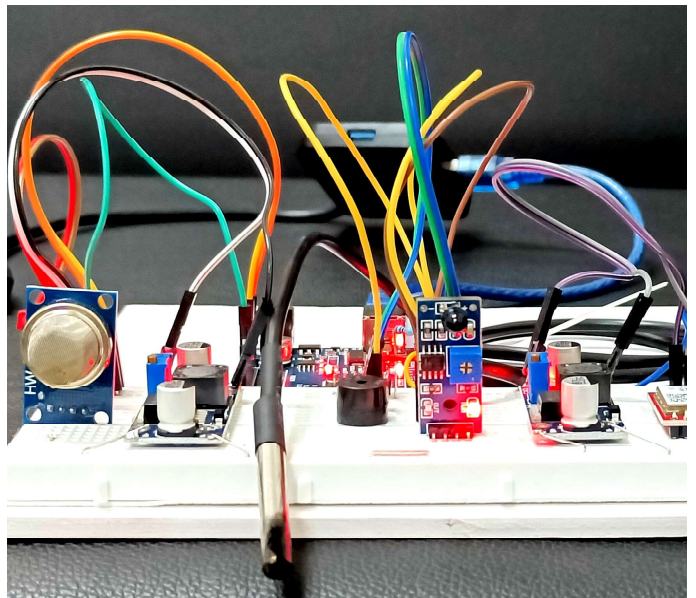
The paper is directed towards the development of fire retarding composite board for fire compartmentation application using waste denim. The paper represents a comprehensive review work to understand the utter need to recycle denim waste and its use as a structural member with good mechanical and fire retardant properties for compartmentation under Passive Fire Protection systems. The paper provides the direction towards development of such boards which will not just help in denim waste management but also provide important component of passive fire protection for much needed building fire safety.

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## PROJECT: GSM BASED DETECTION SYSTEM

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A group of Third year BE students have prepared a prototype of GSM based Fire Detection system using Arduino (uno) software. The system employs modern technologies to detect fire and give alarm. On detection of fires through three sensors, this scaled down system alerts with a siren and activates an automatic shutdown mechanism. The alarm system can send alerts to remote locations on cell phones where human interaction is limited such as mines, dense forests, toxic environment, etc. The three sensors detect flame, smoke and elevated temperature and reduce false alarms.



*GSM based Fire detection system using Arduino Software*

# ACADEMIC AUDIT COMMITTEE AT NFSC

Academic Audit of RTM Nagpur University visited NFSC on February 23, 2022 to carry out inspection for continual affiliation. The committee took field visit and inspected the required documents. On evaluation, the committee recommended 3 years continual affiliation for BE (Fire Engineering) course running at NFSC.



Academic audit and inspection prior to grant of three-year RTM Nagpur University affiliation to NFSC

# WORKSHOP: ELECTRICAL BATTERY FIRES

A workshop was conducted on Charging Infrastructure and Challenges for EV and ESS Charging by NFSC in association with Underwriters Laboratories Inc. on March 10, 2022. More than 1000 registrations were done for the workshop. It was attended by participants online on CISCO Webex and offline at NFSC Auditorium.

**WORKSHOP ON CHARGING INFRASTRUCTURE AND CHALLENGES FOR EV AND ESS CHARGING**  
 organized by  
 National Fire Service College, Ministry of Home Affairs, Government of India  
 In association with  
 Underwriters Laboratories Inc.

**Thursday, 10<sup>th</sup> March, 2022 | 06:30 pm - 08:30 pm (IST)**  
 Registration Link: <https://forms.gle/P6yzXyS7X64m1mY4A>  
 CISCO WEBEX LINK: <https://nfscnagpur.webex.com/nfscnagpur/j.php?MTID=m3553c8a21c99152b3451056895e9c307f>

**Patrons**

**Eminent Speakers**



Eminent Speaker Mr. Eric on EV battery Fire



Trainee officers of NFSC attending the workshop



Inauguration of International Women's Day Observation at NFSC

Along with motivating inaugural address by the Director Dr. DK Shami and inspiring speech by Chief Guest Dr. Pragya Mathur Kumar, trainee officers celebrated women's importance and strength through speeches, songs, poems and sketches. The proudest moments were observed on second day when the female trainee officers showcased their strength and valour in strenuous drill exercises proving that in case of high stress and emergency, they can carry out their assigned duties with high efficiency. An article was also published in Newspaper Daily Lokmat Samachar on Women at NFSC.

## OBSERVATION: WOMEN'S DAY

International Women's Day was observed for three days from 08.03.2022 to 10.03.2022 at NFSC Nagpur with the theme "Gender equality today for a sustainable tomorrow". Various activities were organized to celebrate women's achievements and raise awareness about women's equality,



Female trainee officers performing in Drill Exercise: Ladder climbing with B.A. Set and PPE

लोकमत समाचार

### अंतरराष्ट्रीय महिला दिवस

किन्हीं भी देश की स्थिति का अज्ञात उस देश की महिलाओं को केवल कर लेनाका उदाहरण है. -D. उदाहरणालय सेंट्रल

लोकमत समाचार  
अपना नागपुर 3  
नागपुर, 8 मार्च 2022

आज 8 मार्च... यानी अंतरराष्ट्रीय महिला दिवस. पूरी दुनिया आज महिला दिवस हर्षोल्लास के साथ मना रही है. आज बात होगी महिलाओं के अधिकारों की, बराबरी की, समानता के अधिकार की. एक मां, एक बेटा, बहु, पत्नी बनकर घर की पूरी जिम्मेदारी संभालने के साथ ही महिलाएं पुरुषों के साथ कंधे से कंधा मिलाकर आज हर क्षेत्र में आगे बढ़ रही हैं. 'लोकमत समाचार' ने नागपुर के विभिन्न क्षेत्रों में अपने-अपने विभागों की कमान संभाल रही महिलाओं से इस उपलक्ष्य में बातचीत की. पेश है विशेष रिपोर्ट...

## आग से जूझने की महारत हासिल कर रहीं 13 लड़कियां

खौफ और परिवार से परे चुनौतियों का सामना

वैशाली सिंह, जर्नलिस्ट/कॉन्ट्रिब्यूटर, खबरसमय.कॉम

जेंडर कोई मसला ही नहीं देशसेवा का जज्बा



देश के नागपुर में एकमात्र महिला कमाण्डर बनने में 13 लड़कियां कठिन प्रयास का प्रतिफल ले रही हैं. वे प्रतिभाग्य आज नहीं होता बल्कि कठिनाई से पार है. कभी अनायास कभी आग जलाई जाती है और जो चुनने में बाधा बनता है. पुरुषों के समान ही देशसेवा करने की भावना से ही वे चुनने की शक्ति को हाथ में लेती हैं. और, इस प्रतिभाग्य को अपनी दुनिया से चुनने के कारण इन लड़कियों में किसी तरह का कोई डर नहीं है बल्कि वे खुद लक्ष्य के साथ ट्रेनिंग में ही अपना बेहतरीन प्रदर्शन देने का प्रयास कर रही हैं.



नागपुर कॉलेज में प्रशिक्षण के दौरान उपस्थित महिला प्रशिक्षणार्थी.

ऑफिसर को लीड कर रही महिला

नागपुर के इस कॉलेज में देश के विभिन्न अंचलों से आने वाले अधिकारियों को प्रशिक्षण करने में एक महिला ही ट्रेनिंग दे रही है. वे हैं वैशाली सिंह जो यहां कमेंडर की-आर्किटेक्ट हैं. उन्होंने देश की एक खास कठिनाई से पार करने काय किया और सामरिक अज्ञान वाली महिलाओं से जुड़ी. इसके बाद ही उन्हें एक विश्वस्तरीय कारकीर्दी संभालने में सेवा का अवसर मिला.

हर पल है महिला होने का गर्व

काम का कोई डर नहीं होता. केवल हमें अपनी ताकत को पहचानना होता है. महिलाओं की किसी भी समस्या को जगहों में जो उन्हें प्यारी प्रशिक्षण देना बनती होती है. यहां काम करने के अलावा उन्हें पार की जाती हैं किन्हीं-किसी भी स्थिति में रहती हैं. महिला होने का कोई कोई पहलवान नहीं हुआ बल्कि हमेशा यह रहा है. अब तक हर संभवता में देश कोर्ट बना रही आया जहां बतौर महिला किसी विकल्प से चुनना पड़ा था. जो किंग के भी था और पूर्व राष्ट्रपति पदोन्नत अलग-अलग अंतरों में महिलाओं के लिए बने तरीके से कि वे अपने पेशे की ताकत को पहचानें और हर चुनौतियों के साथ आगे बढ़ें.

Article on Women of NFSC in Lokmat Samachar



*Industrial Visit to IOCL Chandrapur Depot*

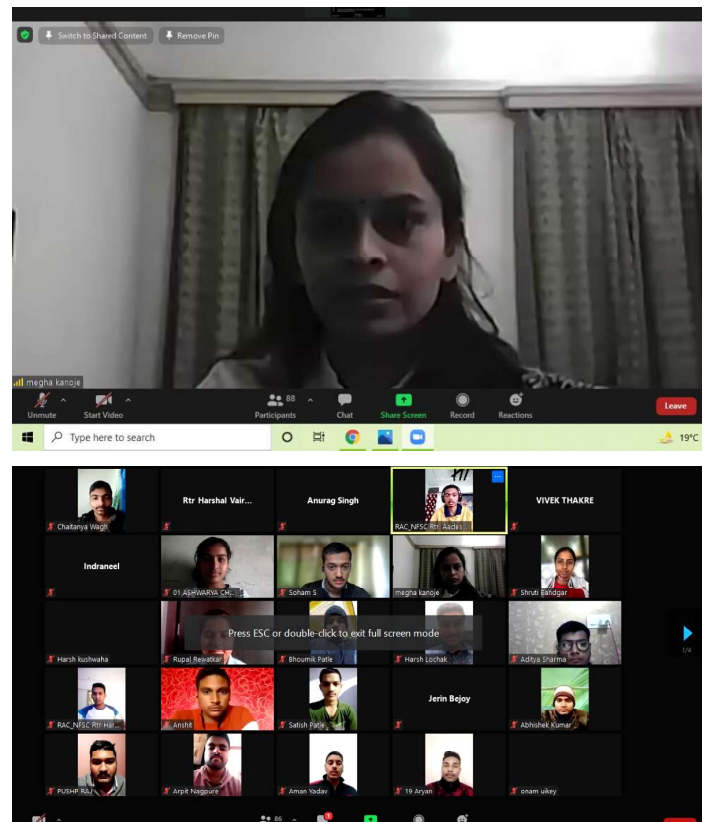
## INDUSTRIAL VISIT : IOCL DEPOT

A group of third year BE students went on an industrial visit to IOCL TADALI Depot near Chandrapur, Maharashtra under the guidance of Shri Gagan Upadhyay, Asst. Director, NFSC to observe and study fire protection systems installed in a vertical floating roof tank with a rim seal protection system.

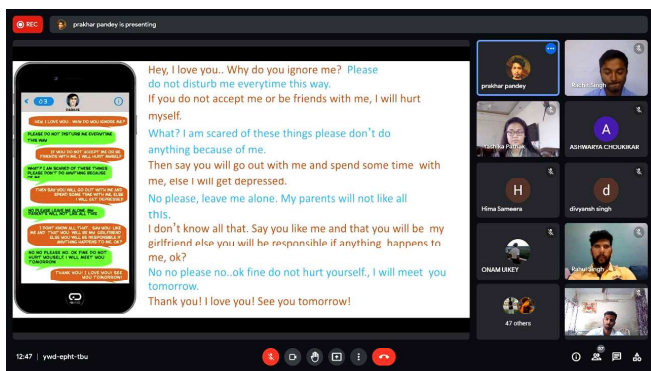
The depot having storage facilities for Kerosene, Motor Spirit and Diesel has fire protection systems such as Rim Seal Protection for Floating Roof, High Velocity Long Range Monitors, Fire Pump House. The visit enriched the practical experience of the BE students who have been working on a project to design a training module for the fire protection system in a vertical floating roof tank.

## WEBINAR: NATIONAL GIRL CHILD DAY

An online seminar was organised by NSS and Rotaract NFSC for students on the occasion of National Girl Child Day. The guest of honour was Mrs. Megha Kanoje, Deputy Director, Indian Engineering Services (IES). She spoke on the issues a girl child faces, and what as society can be done to battle this inequality. Excerpts from her personal experience showed how she fought against her struggles and all this in turn proved as a motivation to all. This was then followed by a round of question and answer where audience got a chance to directly interact with her. After loads of questions and concluding a diverse discussion the seminar was finally concluded.



*Mrs. Megha Kanoje, Deputy Director, IES guest of honour in webinar on National Girl Child Day*



Mr. Rahul Pandey, Cyber Crime Intervention Officer, NSD addressing the students

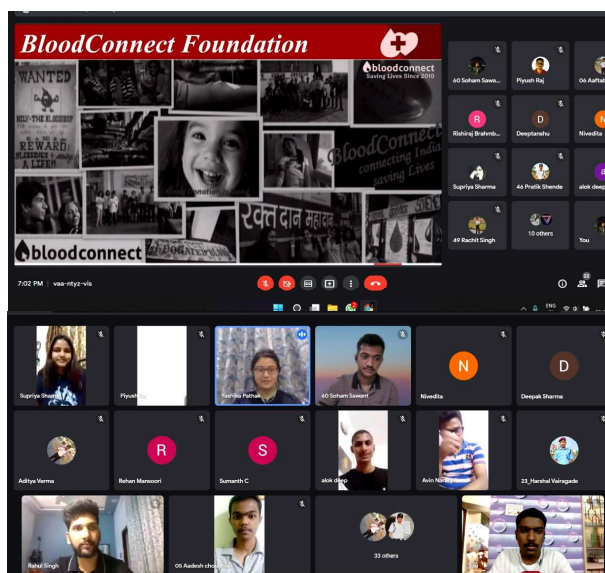
## AWARENESS EVENT: CYBER SECURITY

The event was focused on spreading awareness about cyber crimes and security, spreading knowledge about privacy and safety measures to prevent hacking. The event was a part of mega campaign of 'Baat le bandheya'. The event was focused on spreading awareness about cyber crimes and security, and safety measures to prevent hacking.

## AWARENESS EVENT: BLOOD DONATION

The awareness event was organized online by Rotaract NFSC students which focused on spreading awareness about blood donation, busting out myths and misconceptions surrounding it as well as focused on making an atmosphere where blood donation is promoted, encouraged and made easier.

Speaker Ms. Supriya Sharma, regional co-ordinator of BloodConnect Foundation explained the subject through presentation. More insights on Blood Donation were provided in Q&A session.



Blood Donation awareness by Blood Connect Foundation



Ms. Shruti Bandgar, student of 3rd Year B.E Fire Engineering at Taekwondo Chamopinship

## REPRESENTATION AT NATIONALS

All India University Taekwondo Championship 2021-22 at Kurukshetra University was held from 28th To 31st March, 2022. Shruti Sarjerao Bandgar, a student of 3rd Year B.E. Fire engineering represented National Fire Service College & RTM Nagpur University in the Championship. She bagged the first position with Gold medal in University selection trials. She also qualified for Pool A finals in the Nationals held at Kurukshetra university, making her institution proud.



Send your  
Suggestions/Feedback/  
Queries on :  
Email: [nfscnagpur-mha@nic.in](mailto:nfscnagpur-mha@nic.in)

Government of India  
Ministry of Home Affairs

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