



CYFUSE X NSS PRESENTS
SOCIAL CODE

ABOUT SOCIALCODE

SocialCode is an impactful **24-hour** hackathon organized at IIIT Delhi focused on leveraging technology to solve critical social and environmental issues.

It brings together diverse teams of students, innovators, and technologists to ideate, design, and build solutions that address real-world challenges such as **sustainability, healthcare accessibility, education, and community welfare.**

The event fosters an ecosystem where creativity meets social responsibility, encouraging participants not only to develop technological innovations but also to consider ethical and societal implications.

By emphasising collaborative problem-solving and inclusive innovation, SocialCode reflects IIIT Delhi and NSS's commitment to nurturing tech solutions with meaningful, positive social impact, empowering the next generation of changemakers. dolore

ABOUT **CYFUSE**



CyFuse is the premier tech club at IIIT Delhi that thrives on combining diverse technologies to create innovative solutions. The club regularly organizes hackathons such as TechSpectra and Epoch, technical workshops, and collaborative events that encourage hands-on learning and interdisciplinary teamwork.

CyFuse fosters a vibrant community where students explore real-world problem solving, develop new skills, and engage with industry experts, making it a hub for creativity and technological excellence at IIIT Delhi.

ABOUT NSS



The National Service Scheme (NSS) is a community service initiative under the Ministry of Youth Affairs and Sports, Government of India. It encourages students to engage in meaningful activities aimed at personal growth and social welfare, including volunteering, awareness campaigns, and sustainable development projects. At IIIT Delhi, NSS nurtures a culture of responsibility, leadership, and civic engagement, empowering students to address real-world challenges and create a positive impact on society.

STAY CONNECTED

Join our WhatsApp group for live updates, participate in discussions and find team members for the hackathon.



THEME 1: HEALTH & SANITATION

(स्वच्छता और स्वास्थ्य)

This theme focuses on developing technology to support critical health infrastructure, campus hygiene, and life-saving NSS activities.



NSS BLOODLINE CONNECT: REAL-TIME BLOOD DONOR MANAGEMENT

THE CHALLENGE

NSS units across campuses frequently conduct blood donation camps, but there is a significant gap between collecting blood and fulfilling urgent patient needs. Currently, there is no efficient, real-time system to track available donors by blood type during these drives. As a result, NSS coordinators and hospitals struggle to quickly identify matching donors for emergency requests, leading to delays and underutilization of donor potential.

KEY REQUIREMENTS

Lightweight & Accessible Application

Notifications & Alerts

Real-Time Donor Tracking

Hospital–Coordinator Communication

Donor Verification & Privacy

PATIENT FRIENDLY

Simple language, minimal jargon, actionable information

Hospital focused

To quickly connect with NSS units and request specific blood types in emergencies.

THEME 2: ENVIRONMENT & SUSTAINABILITY

(पर्यावरण और स्थिरता)

This theme addresses the need for accountability and long-term tracking of environmental initiatives like plantation drives.



"VRIKSHA" TRACKER: A DIGITAL SAPLING MONITORING SYSTEM

THE CHALLENGE

Tree plantation drives are among the most visible and celebrated NSS activities, yet their true environmental impact often goes unmeasured. Once a sapling is planted, there is little to no follow-up on its survival, growth, or maintenance. Without data tracking or accountability, failed saplings go unnoticed, and replacement efforts are inconsistent—diminishing the long-term benefits of these initiatives.

KEY REQUIREMENTS

Digital Sapling Registration

Ongoing Monitoring System

Visual & Data-Backed Timeline

Collaborative Access

Analytics & Reporting Dashboard

Volunteer Friendly

Simple, gamified interface encouraging regular updates; easy image upload and tagging.

Coordinator Focused

Dashboard for tracking plantation performance, generating reports, and identifying areas needing replantation.

THEME 3: COMMUNITY ENGAGEMENT & RURAL DEVELOPMENT

(सामुदायिक जुड़ाव)

This theme focuses on bridging the gap between the college community's skills and the specific needs of adopted villages, a cornerstone of NSS fieldwork.



GRAM-CONNECT: VILLAGE NEEDS & VOLUNTEER SKILLS MATCHING PORTAL

THE CHALLENGE

One of the core NSS goals is to adopt and assist villages in their sustainable development. However, identifying community needs and matching them with skilled student volunteers remains a disorganised, manual process. Currently, volunteers note issues (like broken infrastructure, lack of digital literacy, or need for extracurricular support) on paper, and there is no systematic way to connect these needs with college students who have the relevant skills. This leads to missed opportunities for meaningful engagement and inefficient use of campus talent.

KEY REQUIREMENTS

Needs Submission Form

Skills Registry

Coordinator Dashboard

Data Sync & Accessibility

Transparency & Accountability

Village Centric

use minimal text, icons, and translation-ready UI to support rural interaction.

Impact Oriented

Visual status updates and progress indicators to highlight completed community initiatives

THEME 4: CAMPUS CATALYST – SOLVING PROBLEMS INSIDE IIIT

This theme focuses on tangible improvements and realistic solutions to automate or crowdsource the small but impactful challenges of daily campus life.



CAMPUS LIFE AUTOMATION

THE CHALLENGE

Daily campus life at IIIT is filled with small but recurring logistical problems – lost belongings, uncoordinated event scheduling, and limited feedback mechanisms for shared services like the mess. While individually minor, these issues collectively affect student convenience and administrative efficiency. There is currently no unified digital system to automate or crowdsource solutions for such everyday challenges, leading to frustration and inefficiency.

KEY REQUIREMENTS

Problem Identification & Automation

Integration & Usability

Eg- Lost and Found system

Eg- Mess Feedback System

Eg- Event Management System

Student Friendly

Clean interface, minimal steps, and quick interactions

Community Driven

Encourages student participation and collective problem-solving

JOIN THE CYFUSE COMMUNITY

Best of luck to all participants — let innovation flow through your code!



SOCIAL CODE

Hackathon

04 Nov 2025

06:30 - 07:00 PM	Registration Desk
07:00 - 07:30 PM	Introduction
07:30 PM	Hackathon Begins
09:00 PM	Mentor Meet
10:30 PM	Snacks
05 Nov 2025	
06:30 PM	Final Submission
08:00 PM	Judging
~Hackathon Ends~	