

13 (O) BN NCC, NABRANGPUR

ODISHA NCC DIRECTORATE

Automatic Hall-ticket Generation for A, B, C Cert Examination



A Social Service & CSR Initiative by MS
Ramaiah college of Arts science and
commerce

MS Ramaiah College of Arts, Science & Commerce



INTRODUCTION

The Odisha NCC Directorate, under the guidance of Col. Sunil Kumar MS, Commanding Officer, 13(O) BN, assigned MCA students from MS Ramaiah College of Arts, Science & Commerce to design and develop a secure and user-friendly Online Exam Portal.

This initiative was carried out as part of a Corporate Social Responsibility (CSR) activity, where students applied their technical skills to address real-world challenges faced by NCC cadets.



OBJECTIVES

The primary objective of this project is to support NCC cadets, especially those from remote and Naxalite-affected areas, by:

- Eliminating the need for long-distance travel (often exceeding 250 km) for examinations
- Providing a smooth and accessible digital platform
- Ensuring convenience, safety, and efficiency in the examination process

Key Features of the portal

The developed Online Exam Portal includes the following functionalities:

- **Online Cadet Registration**
Enables cadets to register easily from any location
- **Automated Hall Ticket Generation**
Generates hall tickets instantly after successful registration
- **Admin Dashboard for Verification**
Allows administrators to verify and manage cadet data efficiently
- **Mobile-Responsive User Interface**
Ensures accessibility across smartphones, tablets, and desktops



This initiative not only bridges the digital divide but also opens new opportunities for education, communication, and economic growth within the community. It empowers local people by giving them access to information, services, and platforms that were once out of reach.

IMPACT OF THE PROJECT

This project significantly addresses the challenges caused by limited digital infrastructure by:

- Reducing travel burden for cadets
- Saving time and resources
- Streamlining the examination process
- Improving accessibility and inclusivity

It empowers cadets to register, verify, and access examination details online, ensuring a seamless experience.



CSR Contribution and Recognition

This project was recognized as a notable CSR initiative carried out by MCA students for societal benefit.

- The students were honoured by Col. Sunil Kumar MS at Nabrangpur, Odisha
- 14 MCA students received Certificates for their contribution
- The Head of the Department (HOD), project guide, and the college were also recognized with Government appreciation certificates
- The initiative received appreciation from the Odisha NCC Directorate for its impactful contribution



This showcases how technology, when combined with perseverance and purpose, can create meaningful change even in the most challenging environments. Such work inspires others to believe that no place is too remote for growth and innovation.

Outcomes of the project

The Online Exam Portal Development project delivered significant outcomes not only for NCC cadets but also for the students and the institution involved.

For Students

- **Enhanced Technical Skills:** Students gained hands-on experience in real-world software development, including frontend and backend technologies, database management, and deployment practices.
- **Practical Exposure:** Working on a live government-related project helped bridge the gap between academic learning and industry requirements.
- **Improved Teamwork & Collaboration:** Students worked in teams, learning how to coordinate tasks, manage timelines, and collaborate effectively in a professional environment.
- **Boosted Confidence:** Successfully delivering a functional solution and receiving recognition from NCC officials significantly increased students' confidence and motivation.
- **Problem-Solving Ability:** Addressing real challenges such as accessibility and usability in remote areas improved their analytical and problem-solving skills.

For College

- **Enhanced Institutional Reputation:** The successful execution of a socially impactful project strengthened the college's image as a center for innovation and social responsibility.
- **Branding & Visibility:** Recognition from the Odisha NCC Directorate and government authorities improved the college's visibility and credibility.
- **Industry & Government Collaboration:** The project opened avenues for future collaborations with government bodies and organizations.
- **Academic Excellence:** Demonstrated the practical strength of the MCA program in delivering real-world solutions.

For NCC Directorate

- **Efficient Digital Transformation:** The portal modernized the examination process, reducing manual workload and administrative challenges.
- **Scalable Solution:** The system can be expanded to accommodate more cadets and additional functionalities in the future.

CONCLUSION



The Online Exam Portal Development project stands as a meaningful example of how technology can be effectively leveraged to create social impact through Corporate Social Responsibility (CSR) initiatives. By digitizing and streamlining the examination process, the portal significantly improves efficiency, transparency, and accessibility for both administrators and participants. It reduces the logistical challenges associated with traditional examination methods, such as paper handling, manual evaluation, and geographical constraints, thereby saving time and resources.

More importantly, Cadets need to travel more than 250 km from their home town to unit and it is a pro NAXALITE area this project plays a crucial role in supporting the welfare and development of NCC cadets, particularly those in underserved and remote regions. By providing them with a reliable and accessible digital platform, it ensures equal opportunities to participate in assessments and showcase their knowledge and skills, regardless of their location. This not only promotes inclusivity but also encourages digital literacy and confidence among cadets. Overall, the initiative reflects how thoughtful integration of technology can bridge gaps, empower communities, and contribute to nation-building by supporting youth development.

<https://13oinfbnncc.in/>

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Jai Hind